

JOHN W. SHERVAIS

Professor
Department of Geology
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Google Scholar: <http://scholar.google.com/citations?user=E3hyDgsAAAAJ&hl=en>

Degrees, Education

Ph.D., 1979, University of California, Santa Barbara
B.Sc., 1971, San José State University, California (Major Geology, Minor Physics)

Dissertation

Petrology and Structure of the Alpine Lherzolite Massif at Balmuccia, Italy
Professor C.A. Hopson, Principal Advisor

Professional Experience

Utah State University, 2000-Present
Professor, Department of Geology
Department Head, July 2000-June 2010

University of South Carolina, 1984-2000
Professor, 1992-2000
Associate Professor, 1988–1992
Assistant Professor, 1984–1988

Research Associate, University of Tennessee, Knoxville: 1982–1984
Visiting Assistant Professor, University of California, Davis: 1982
Visiting Lecturer, University of California, Santa Barbara: 1981
NATO Post-Doctoral Fellow, Eidgenössische Technische Hochschule (ETH) Zürich, Switzerland: 1979–1980

Awards and Honors

Fellow, Geological Society of America, 1993
NATO Postdoctoral Fellowship, ETH, Zürich, Switzerland, 1979-1980
University of California Regent's Fellow, 1976–1977

Professional Activities

President, DOSECC, Inc (Drilling Observation, and Sampling of Earth's Continental Crust), 2013
Department Head (Utah State University), 2000-2010
Department Head Executive Committee (USU), 2003-2007
Director of Undergraduate Studies (University of South Carolina), 1988–2000
Director SE Regional Electron Microprobe Facility, 1988-2000
Associate Editor, Lunar and Planetary Science Conference Proceedings, 1987–1992
Associate Editor, Geological Society of America Bulletin, 1989–1996

Professional Organizations

Geological Society of America (Fellow), The American Geophysical Union, Geochemical Society

John W. Shervais – Curriculum Vita

External Funding: \$10,431,442 (DOE, ICDP, NASA, NSF, USAF, USGS)

PENDING GRANTS

<i>Agency</i>	<i>Period</i>	<i>Amount</i>	<i>Title</i>
ICDP	6/16-9/17	\$61,000	Workshop: Continental Scientific Drilling of the Deccan Large Igneous Province

FUNDED GRANTS

Agency	Period	Amount	Title
USSIO	12/16-1/18	\$59,781	Salary support for John Shervais - IODP Expedition 366
NSF-OCE	6/16-5/18	\$96,271	Collaborative Research: Subduction Initiation and Development of the nascent Izu-Bonin-Mariana arc
DOE	2/16-9/17	\$800,000	[DE-EE0006733] Phase 2: Play Fairway Analysis of the Snake River Plain, Idaho
USSIO	11/14-4/15	\$15,000	Ocean Leadership Post Expedition Award - IODP Expedition 352
USSIO	7/14-10/14	\$59,448	Salary Support for John Shervais - IODP Expedition 352
DOE	10/14-9/15	\$500,000	[DE-EE0006733] Play Fairway Analysis of the Snake River Plain, Idaho
NSF	8/13-7/16	\$529,387	[CMMI-1337932] Acquisition of a Field Emission Scanning Electron Microscope
DoD	6/11-6/13	\$734,000	[SOW10400] The Mountain Home Geothermal Drilling Project: Phase 2
ICDP	9/12-6/13	\$20,000	ICDP Supplement #2: HOTSPOT, The Snake River Scientific Drilling Project: Tracking the Yellowstone Hotspot Through Space and Time
ICDP	7/10-6/13	\$100,000	ICDP Supplement: HOTSPOT, The Snake River Scientific Drilling Project: Tracking the Yellowstone Hotspot Through Space and Time.
ICDP	7/10-6/13	\$1,000,000	HOTSPOT, The Snake River Scientific Drilling Project: Tracking the Yellowstone Hotspot Through Space and Time. [International Continental Drilling Program].
DOE	1/10-6/13	\$4,640,110	[DE-EE0002848] The Snake River Geothermal Drilling Project – Innovative Approaches to Geothermal Exploration.
ICDP	7/09-11/09	\$20,000	HOTSPOT, The Snake River Scientific Drilling Project: Tracking the Yellowstone Hotspot Through Space and Time. [International Continental Drilling Program] <i>Technical Workshop Proposal</i> .
USGS	5/08-4/09	\$20,715	[08HQAG0072] National Cooperative Geologic Mapping, EdMap Component: Geologic Map of Twin Falls-Mountain Home Urban areas: Basaltic volcanism of Central-Western Snake River Plain.
ESSEA	6/07-10/09	\$40,000	Training in-service teachers how teach earth system science using interactive, hands-on learning techniques (Liddell, PI; Shervais Co-PI).
ICDP	8/05-7/06	\$40,000	International Continental Drilling Program Workshop: Intermediate Depth Drilling of the Snake River Plain: Tracking the Yellowstone Hotspot Through Space & Time.
NSF	9/05-8/06	\$85,949	[EAR-440255] Collaborative Research: Geochemical Processes in Forearc Peridotites: Depletion, Enrichment, and Melt Reactions in the Mantle Wedge (with Sam Mukasa, Univ Michigan). (USU budget shown)
NSF	1/04 -12/05	\$68,412	[EAR-337334] Is the Southern Farmington Canyon Complex an Archean/Early Proterozoic Accretionary Complex?
USGS	5/04-4/05	\$20,500	National Cooperative Geologic Mapping, EdMap Component: Geologic Mapping in the Greater Twin Falls Urban area.
USGS	5/01- 4/02	\$9,235	National Cooperative Geologic Mapping, EdMap Component: Geologic Mapping in California.
USC	1/00- 12/00	\$16,600	Ion Microprobe Study of Cumulates and Mantle Peridotites in Ophiolites: A New Way to Study Chemical Fractionation of Oceanic Crust and Upper Mantle.

John W. Shervais – Curriculum Vita

USGS	6/99- 5/2000	\$9,450	National Cooperative Geologic Mapping: EdMap Component: Geologic Mapping in Idaho.
NSF	5/98- 12/99	\$90,000	[EAR-9805160] Equipment Purchase: The USC XRF Facility
USGS	6/98- 5/99	\$14,950	National Cooperative Geologic Mapping: EdMap Component: Geologic Mapping in South Carolina and Idaho (J.W. Shervais, PI/PD; A.J. Dennis, CoPI)
NSF	6/98- 5/2000	\$118,975	[EAR-9805159] Granulite and Eclogite Facies Metamorphism in the Carolina terrane: Implications for Pre-Alleghanian Collision Tectonics in the Southern Appalachians (A.J. Dennis, PI/PD, J.W. Shervais, Co-PI)
NASA	6/97- 5/00	\$45,000	[NAGW3637] SIMS Analyses of Lunar Cumulate Minerals.
NSF	1/96- 12/98	\$112,000	[EAR-9526594] Collaborative Research: Plume Tails and Continental Lithosphere: A Petrologic Traverse of the Snake River Plain [USC Budget, \$223,000 for 3 years, total project budget.]
DOE	9/94-9/96	\$207,000	[SCUREF Task 170] Regional Geology and Subsurface Characterization at the Savannah River Site, South Carolina (A.J. Dennis, PI/PD, J.W. Shervais, Co-PI)
NSF	1/96-12/97	\$40,000	Equipment Upgrade: The USC Electron Microprobe
DOE	9/90-9/92	\$197,000	[SCUREF Task 14] Compilation of Regional Geology, Savannah River Site, South Carolina (A.J. Dennis, PI/PD, J.W. Shervais, Co-PI)
NASA	6/93-5/97	\$81,000	[NAGW3637] Basaltic Volcanism & Ancient Planetary Crusts
NSF	4/93-9/94	\$35,000	Equipment Upgrade: The USC XRF Laboratory
NSF	7/92-12/95	\$90,000	[EAR9206719] Technician Support for USC Electron Microprobe Laboratory (Shervais, PI/PD)
NSF	2/91-7/93	\$76,000	[EAR-9018721] Collaborative Research: Petrology, Geochemistry and Age of Accreted Oceanic Crust, California Coast Ranges. (Shervais, PD; \$116,000 all PIs).
NSF	1/89- 12/91	\$50,000	[EAR-8816398] Petrology and Geochemistry of Accreted Oceanic Crust, California Coast Ranges.
NSF	1/89- 12/90	\$11,500	Economic Mineral Deposits in Pakistan (travel grant, International Programs)
USC	5/88-4/89	\$1,700	South Carolina Gabbros
NSF	4/87-9/89	\$38,000	Collaborative Research: Mantle Metasomatism in Alpine Peridotites (Shervais, PI/PD) *USC Budget, \$63,000 total project.
NASA	6/86-5/93	\$169,540	Basaltic Volcanism & Ancient Planetary Crusts
USC	5/86-5/87	\$1,500	Geochemical finger-printing of accreted terranes, California
NSF	4/86-9/87	\$225,000	Acquisition of an Electron Microprobe System
USC	5/85-9/86	\$2,200	Ankaramite Volcanism in California

Ph.D. Dissertations Completed

Scott Vetter	Petrogenesis of basalts on the Earth and Moon, <i>Ph.D. Dissertation</i> , University of South Carolina, 1989.
M. Tahir Shah	Geochemistry, Mineralogy, and Petrology of the Sulfide Mineralization and Associated Rocks in the Area around Besham and Dir, Northern Pakistan, <i>Ph.D. Dissertation</i> , University of South Carolina, 1991.
M.U.K. Khattak	Petrology And Stable Isotope Geochemistry of the Nanga Parbat-Haramosh Massif, Northern Pakistan, <i>Ph.D. Dissertation</i> , University of South Carolina, 1995.
Imtiaz Ahmad	Collision Tectonics in NW Himalaya: Structure, Stratigraphy, and P-T path of the India Plate, Lower Swat, North Pakistan, <i>Ph.D. Dissertation.</i> , University of South Carolina, 1999.
Prosper Nude	Alkaline Carbonatites of the Dahomeyide orogen, Ghana (University of Ghana). 2004.
Marlon M. Jean	Geochemistry and Petrology of Basalts SRP and Peridotites CRO, <i>Ph.D. Dissertation</i> , Utah State University, 2012.
Katherine Potter	Geochemistry and Petrology of Basalt, Project Hotspot Deep Drilling Project, <i>Ph.D. Dissertation</i> , Utah State University, 2014.

M.Sc. Theses Completed

Suzanne Shelly	Geochemistry of metavolcanic rocks, Carolina Slate Belt, <i>M.Sc. Thesis</i> , 1988.
Ilona Lawless	Petrology, Chemistry, and Petrogenesis of alkaline volcanic and plutonic rocks from Tahiti, French Polynesia, <i>M.Sc. Thesis</i> , University of South Carolina, 1990.
Joe Beaman	Petrology and geochemistry of cumulate plutonic rocks and dikes, Elder Creek Ophiolite, California, <i>M.Sc. Thesis</i> , University of South Carolina, 1990.
Marchell Zoglman	The Stonyford Volcanic Complex, California: A Jurassic intraplate seamount, <i>M.Sc. Thesis</i> , University of South Carolina, 1991.
Richard A. Cooke	Compositional effects of Mantle Metasomatism in Alpine Peridotites, <i>M.Sc. Thesis</i> , University of South Carolina, University of South Carolina, 1992.
Joshua Mauldin	Petrology and Geochemistry of Crystalline Basement from a Neoproterozoic Volcanic Arc, Savannah River Site, South Carolina, <i>M.Sc. Thesis</i> , University of South Carolina, 1997.
Matthew Cooke	Petrology, Geochemistry, and Hydrology of basaltic volcanism, Central Snake River Plain, Idaho, <i>M.Sc. Thesis</i> , University of South Carolina, 1999.
Adele Simpson Seymore	Tectonic Implications of the Stony Creek Basaltic Sandstone, Late Jurassic Great Valley Series, Stonyford, California, <i>M.Sc. Thesis</i> , University of South Carolina, 1999.
Scott Matthews	Geology of the Owinza Butte, Shoshone SE, and Star Lake Quadrangles: Snake River Plain, Southern Idaho, <i>M.Sc. Thesis</i> , University of South Carolina, 2000.
Cameron Snow	The Coast Range ophiolite at Cuesta Ridge, California; Utah State University, <i>M.Sc. Thesis</i> , Utah State University, 2002.
Kyle Andreasson	Is the Southern Farmington Canyon Complex an Archean/Early Proterozoic Accretionary Complex? <i>M.Sc. Thesis</i> , Utah State University, 2007.
Meagan DeRaps	Basaltic volcanism: surface flows and core, Western Snake River Plain, Idaho, <i>M.Sc. Report</i> , Utah State University, 2009.
Vinita Ruth Hobson	Remote sensing of basaltic volcanics, Central Snake River Plain, Idaho, <i>M.Sc. Report</i> , Utah State University, 2009.
Aaron Peterson	Geochemical Provenance of Clastic Sedimentary Rocks, <i>M.Sc. Thesis</i> , Utah State University, 2009.
Meghan Zarnetske	Basaltic volcanism in the Western Snake River Plain, Idaho, , <i>M.Sc. Report</i> , Utah State University, 2010.
Christopher Sant	Hydrothermal alteration of basalt in deep drill core, Project Hotspot, <i>M.Sc. Thesis</i> , Utah State University, 2012.
Douglas Jones	Petrology and Geochemistry of Crustal Xenoliths in Basalt, Snake River Plain, Idaho, <i>M.Sc. Thesis</i> , Utah State University, 2016.

Theses and Dissertations in Progress

Emily Haugen Geochemical and Volcanic Stratigraphy of Forearc Crust Generated During Subduction Initiation of the Izu-Bonin Arc, Japan: IOPD Expedition 352, *M.Sc. Thesis*, Utah State University, 2016.

Undergraduate Student Projects

Bruce Hebbel Chemical analyses of volcanic rocks from New Zealand by x-ray fluorescence, 1987

Kenny McKown An x-ray diffraction study of secondary mineral assemblages in Stonyford Volcanic Complex, northern California, 1989

Melinda McGee A field mapping study of the Stonyford Volcanic complex and adjacent rocks, northern California Coast Ranges, 1990

Bradley Hammel Chemical effects of metasomatism in alpine peridotites, 1990

Beth Ann Gaddis Geochemistry of Diorite-Quartz Diorite intrusive suite, Elder Creek Ophiolite, California, 1991-1992

John Stuart Electron microprobe study of lunar cumulate rocks, 1994-1995

Eric Vinson Geochemistry of Diorite-Quartz Diorite intrusive suite, Elder Creek Ophiolite, California, 1996.

Patrick Garrow Basaltic volcanism, Central Snake River Plain, 1998-1999.

Tonya Bunn X-ray fluorescence analysis of volcanic rocks, 1998-1999.

Childs Cantley Petrology and geochemistry of eclogites, Carolina terrane, SC, 1999

Christine Lüttich Major and trace element geochemistry of volcanic rocks from southern Idaho, 1999-2000.

**PUBLICATIONS: >110 refereed publications, 12 Technical Reports,
11 Conference/Workshop papers, 1 Book (edited), 8 Geologic Maps**

Total citations >4900, H-index: 29, i10-index: 65

PUBLICATIONS – TECHNICAL

Geologic Maps

Scott H. Matthews, **John W. Shervais**, John D. Kauffman, and Kurt L. Othberg, 2006, Geologic Map of the Shoshone SE Quadrangle, Jerome and Lincoln Counties, Idaho: Idaho Geological Survey, Moscow Idaho, DWM-62 scale 1:24,000.

Scott H. Matthews, **John W. Shervais**, John D. Kauffman, and Kurt L. Othberg, 2006, Geologic Map of the Star Lake Quadrangle, Jerome and Lincoln Counties, Idaho: Idaho Geological Survey, Moscow Idaho, DWM-67 scale 1:24,000.

Matthew F. Cooke, **John W. Shervais**, John D. Kauffman, and Kurt L. Othberg, 2006, Geologic Map of the Dietrich Butte Quadrangle, Lincoln County, Idaho: Idaho Geological Survey, Moscow Idaho, DWM-63 scale 1:24,000.

Matthew F. Cooke, **John W. Shervais**, John D. Kauffman, and Kurt L. Othberg, 2006, Geologic Map of the Dietrich Quadrangle, Lincoln County, Idaho: Idaho Geological Survey, Moscow Idaho, DWM-66 scale 1:24,000.

John W. Shervais, Matthew F. Cooke, John D. Kauffman, and Kurt L. Othberg, 2006, Geologic Map of the Owinza Quadrangle, Lincoln County, Idaho, Idaho Geological Survey, Moscow Idaho: Idaho Geological Survey, Moscow Idaho, DWM-64 scale 1:24,000.

John W. Shervais, Scott H. Matthews, John D. Kauffman, and Kurt L. Othberg, 2006, Geologic Map of the Owinza Butte Quadrangle, Jerome and Lincoln Counties, Idaho: Idaho Geological Survey, Moscow Idaho, DWM-65 scale 1:24,000.

John D. Kauffman, Kurt L. Othberg, **John W. Shervais**, Matthew F. Cooke, 2005, Geologic Map of the Shoshone Quadrangle, Lincoln County, Idaho: Idaho Geological Survey, Moscow Idaho; DWM-44, Scale: 1:24000.

Keith A. Howard and **John W. Shervais**, 1973, Geologic map of Smith Prairie, Elmore County, Idaho: *U. S. Geological Survey Miscellaneous Investigations*, Map 1-818.

Technical Reports

Shervais, J.W., Evans, J.P., Glen, J.M., DeAngelo, J., Dobson, P., Gasperikova, E., Sonnenthal, E., Siler, D., Liberty, L.M., Visser, C., Nielson, D.L., Garg, S., Athens, N., Burns, E., 2016, Snake River Plain Play Fairway Analysis: Phase 1 Final Report, *Report to Department of Energy Geothermal Technology Office*, Project number DE-EE 0006733, January 2016, 171 pp.

Reagan, M.K., Pearce, J.A., Petronotis, K., and the Expedition 352 Scientists, 2015. *Izu-Bonin-Mariana Fore Arc*. Proceedings of the International Ocean Discovery Program, 352: College Station, TX (International Ocean Discovery Program). <http://dx.doi.org/10.14379/iodp.proc.352.2015>

Reagan, M.K., Pearce, J.A., Petronotis, K., Almeev, R., Avery, A.A., Carvallo, C., Chapman, T., Christeson, G.L., Ferré, E.C., Godard, M., Heaton, D.E., Kirchenbaur, M., Kurz, W., Kutterolf, S., Li, H.Y., Li, Y., Michibayashi, K., Morgan, S., Nelson, W.R., Prytulak, J., Python, M., Robertson, A.H.F., Ryan, J.G., Sager, W.W., Sakuyama, T., **Shervais, J.W.**, Shimizu, K., and Whattam, S.A., 2015. Expedition 352 summary. In Reagan, M.K., Pearce, J.A., Petronotis, K., and the Expedition 352 Scientists, *Izu-Bonin-Mariana Fore Arc*. Proceedings of the International Ocean Discovery Program, 352: College Station, TX (International Ocean Discovery Program). <http://dx.doi.org/10.14379/iodp.proc.352.101.2015>

Reagan, M.K., Pearce, J.A., Petronotis, K., Almeev, R., Avery, A.A., Carvallo, C., Chapman, T., Christeson, G.L., Ferré, E.C., Godard, M., Heaton, D.E., Kirchenbaur, M., Kurz, W., Kutterolf, S., Li, H.Y., Li, Y., Michibayashi, K., Morgan, S., Nelson, W.R., Prytulak, J., Python, M., Robertson, A.H.F., Ryan, J.G., Sager, W.W., Sakuyama, T., **Shervais, J.W.**, Shimizu, K., and Whattam, S.A., 2015. Expedition 352 methods. In Reagan, M.K., Pearce, J.A., Petronotis, K., and the Expedition 352 Scientists, *Izu-Bonin-Mariana Fore Arc*. Proceedings of the International Ocean Discovery Program, 352: College Station, TX (International Ocean Discovery Program). <http://dx.doi.org/10.14379/iodp.proc.352.102.2015>

John W. Shervais – Curriculum Vita

- Reagan, M.K., Pearce, J.A., Petronotis, K., Almeev, R., Avery, A.A., Carvallo, C., Chapman, T., Christeson, G.L., Ferré, E.C., Godard, M., Heaton, D.E., Kirchenbaur, M., Kurz, W., Kutterolf, S., Li, H.Y., Li, Y., Michibayashi, K., Morgan, S., Nelson, W.R., Prytulak, J., Python, M., Robertson, A.H.F., Ryan, J.G., Sager, W.W., Sakuyama, T., **Shervais, J.W.**, Shimizu, K., and Whattam, S.A., 2015. Site U1439. In Reagan, M.K., Pearce, J.A., Petronotis, K., and the Expedition 352 Scientists, *Izu-Bonin-Mariana Fore Arc*. Proceedings of the International Ocean Discovery Program, 352: College Station, TX (International Ocean Discovery Program). <http://dx.doi.org/10.14379/iodp.proc.352.103.2015>
- Reagan, M.K., Pearce, J.A., Petronotis, K., Almeev, R., Avery, A.A., Carvallo, C., Chapman, T., Christeson, G.L., Ferré, E.C., Godard, M., Heaton, D.E., Kirchenbaur, M., Kurz, W., Kutterolf, S., Li, H.Y., Li, Y., Michibayashi, K., Morgan, S., Nelson, W.R., Prytulak, J., Python, M., Robertson, A.H.F., Ryan, J.G., Sager, W.W., Sakuyama, T., **Shervais, J.W.**, Shimizu, K., and Whattam, S.A., 2015. Site U1440. In Reagan, M.K., Pearce, J.A., Petronotis, K., and the Expedition 352 Scientists, *Izu-Bonin-Mariana Fore Arc*. Proceedings of the International Ocean Discovery Program, 352: College Station, TX (International Ocean Discovery Program). <http://dx.doi.org/10.14379/iodp.proc.352.104.2015>
- Reagan, M.K., Pearce, J.A., Petronotis, K., Almeev, R., Avery, A.A., Carvallo, C., Chapman, T., Christeson, G.L., Ferré, E.C., Godard, M., Heaton, D.E., Kirchenbaur, M., Kurz, W., Kutterolf, S., Li, H.Y., Li, Y., Michibayashi, K., Morgan, S., Nelson, W.R., Prytulak, J., Python, M., Robertson, A.H.F., Ryan, J.G., Sager, W.W., Sakuyama, T., **Shervais, J.W.**, Shimizu, K., and Whattam, S.A., 2015. Site U1441. In Reagan, M.K., Pearce, J.A., Petronotis, K., and the Expedition 352 Scientists, *Izu-Bonin-Mariana Fore Arc*. Proceedings of the International Ocean Discovery Program, 352: College Station, TX (International Ocean Discovery Program). <http://dx.doi.org/10.14379/iodp.proc.352.105.2015>
- Reagan, M.K., Pearce, J.A., Petronotis, K., Almeev, R., Avery, A.A., Carvallo, C., Chapman, T., Christeson, G.L., Ferré, E.C., Godard, M., Heaton, D.E., Kirchenbaur, M., Kurz, W., Kutterolf, S., Li, H.Y., Li, Y., Michibayashi, K., Morgan, S., Nelson, W.R., Prytulak, J., Python, M., Robertson, A.H.F., Ryan, J.G., Sager, W.W., Sakuyama, T., **Shervais, J.W.**, Shimizu, K., and Whattam, S.A., 2015. Site U1442. In Reagan, M.K., Pearce, J.A., Petronotis, K., and the Expedition 352 Scientists, *Izu-Bonin-Mariana Fore Arc*. Proceedings of the International Ocean Discovery Program, 352: College Station, TX (International Ocean Discovery Program). <http://dx.doi.org/10.14379/iodp.proc.352.106.2015>
- Expedition 352 Scientists, 2015. Izu-Bonin-Mariana fore arc: Testing subduction initiation and ophiolite models by drilling the outer Izu-Bonin-Mariana fore arc. *International Ocean Discovery Program Preliminary Report*, 352. <http://dx.doi.org/10.14379/iodp.pr.352.2015>.
- Shervais, J.W.** and the Project Hotspot Science Team, 2014, Final Project Report: The Snake River Geothermal Drilling Project – Innovative Approaches To Geothermal Exploration; *Report to Department of Energy Geothermal Technology Office*, Project number DE-EE 0002848, February 2014, 281 pp.
- Shervais, JW**, Knapp, S., and Taylor, L.A., 1984, Breccia Guidebook No. 7: 14321, NASA Planetary Materials Branch, Publication No. 69, JSC 19492, Lyndon Johnson Space Center, Houston, 57 pp.
- Shervais, JW**, and Taylor, L.A., 1983, Breccia Guidebook No. 5: 14305, NASA Planetary Materials Branch, Publication No. 68, JSC 19267, Lyndon Johnson Space Center, Houston, 58 pp.

Conference and Workshop Papers

- Atkinson, TA, Neilson, DL, and **Shervais, JW**, 2017, Geochemical and thermal evidence of high temperature geothermal activity from the MH-2B slimhole, Western Snake River Plain, Idaho. PROCEEDINGS, 42nd Workshop on Geothermal Reservoir Engineering, Stanford University, Stanford, California, February 13-15, 2017, SGP-TR-212.
- Nielson, DL, Sonnenthal, E., **Shervais JW** and Garg, SK, 2017, Mafic Heat Sources for Snake River Plain Geothermal Systems. PROCEEDINGS, 42nd Workshop on Geothermal Reservoir Engineering, Stanford University, Stanford, California, February 13-15, 2017, SGP-TR-212.
- Glen, JMG, Liberty, L, Gasperikova, E, Siler, D, **Shervais, JW**, Ritzinger, B, Athens, N, Earney, T, 2017, Geophysical Investigations and Structural Framework of Geothermal Systems in west and southcentral Idaho; Camas Prairie to Mountain Home. PROCEEDINGS, 42nd Workshop on Geothermal Reservoir Engineering, Stanford University, Stanford, California, February 13-15, 2017, SGP-TR-212.
- Shervais, JW**, Glen, JM, Nielson, DL, Garg, S, Dobson, P, Gasperikova, E, Sonnenthal, E, Visser, C, Liberty, LM, DeAngelo, J, Siler, D, Varriale, J, and Evans, JP, 2016, Geothermal Play Fairway Analysis of the Snake River Plain Volcanic Province: Phase 1. *Proceedings Forty-First Workshop on Geothermal Reservoir Engineering*, Stanford University, Stanford, California, February 22-24, 2016 SGP-TR-209.

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- DeAngelo, J, **Shervais, JW**, Glen, JM, Nielson, DL, Garg, S, Dobson, P, Gasperikova, E, Sonnenthal, E, Visser, C, Liberty, LM, Siler, D, Evans, JP, and Santellanes, S., 2016, GIS Methodology for Geothermal Play Fairway Analysis: Example from the Snake River Plain Volcanic Province. *Proceedings Forty-First Workshop on Geothermal Reservoir Engineering*, Stanford University, Stanford, California, February 22-24, 2016 SGP-TR-209.
- Garg, S, Nielson, DL, **Shervais, JW**, Sonnenthal, E, 2016, Thermal modeling of the Mountain Home Geothermal Area. *Proceedings Forty-First Workshop on Geothermal Reservoir Engineering*, Stanford University, Stanford, California, February 22-24, 2016 SGP-TR-209.
- Nielson, DL, **Shervais, JW**, Evans, JP, Liberty, L, Garg, SK, Glen, J., Visser, C., Dobson, P, Gasperikova, E. and Sonnenthal, E., 2015, Geothermal Play Fairway Analysis of The Snake River Plain, Idaho. *Proceedings Fortieth Workshop on Geothermal Reservoir Engineering*, Stanford University, Stanford, California, January 26-28, 2015 SGP-TR-204.
- Nielson, DL and **Shervais, JW**, 2014, Conceptual Model for Snake River Plain Geothermal Systems. *Proceedings Thirty-Ninth Workshop on Geothermal Reservoir Engineering Stanford University*, Stanford, California, February 24-26, 2014 SGP-TR-202.
- Shervais, J.W.**, Evans, J.P.; Toy, V.; Eichelberger, J.C.; Kirkpatrick, J.; and Clarke, A., 2013, Drilling Active Tectonics and Magmatism (Volcanics, Geoprisms, Fault Zones Post-SAFOD) Proceedings of a Workshop. Geology Faculty Publications. Paper 387. http://digitalcommons.usu.edu/geology_facpub/387.
- Shervais, J.W.**, Evans, J.P.; Clark, A.; Eichelberger, J.C.; Kirkpatrick, J.; and Toy, V., 2013, White Papers: Drilling Active Tectonics and Magmatism (Volcanics, Geoprisms, and Fault Zones Post-SAFOD). Geology Faculty Publications. Paper 386. http://digitalcommons.usu.edu/geology_facpub/386.
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