

Résumé

PAUL WASHINGTON

Current Professional Addresses

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Education & Professional Licensure

1987	University of Connecticut	Ph.D.	Geology & Geophysics
1981	State University of New York at Albany	M.S.	Geoscience
1975	Allegheny College	B.S.	Geology
1994	North Carolina		Licensed Professional Geologist (#1287)

Professional Work Experience

Spring 2017- **Petroleum Engineering & Geology Department, Marietta College**
Teaching: Historical Geology, Mineralogy & Petrology

2010- **Salona Exploration LLC, Mill Hall, PA**
President & Exploration Geologist

2011-2014 **Energy & Earth Resources Department, University of Pittsburgh at Johnstown**
Department Chair, 2012-2014
Teaching: Physical Geology, Environmental Geology, Historical Geology,
Groundwater Hydrogeology, Geomorphology, Sedimentation & Stratigraphy,
Mineralogy & Optical Mineralogy, Igneous & Metamorphic Petrology,
Earth Materials, Structural Geology, Geologic Field Methods,
Report Writing and Computer Applications in Geology

2009-2010 **Earth Sciences Department, State University of New York College at Oneonta**
Teaching: Introduction to Geology, Structural Geology

2006-2008 **Department of Physical Sciences, Kutztown University**
Teaching: Introduction to Geology, Introduction to Environmental Science

1995-2006 **Department of Geosciences, University of Louisiana at Monroe**
ULM Professor of Geology (Endowed Chair) 2003-2006
Supervisor of Geology Graduate Teaching Assistants 1998-2004
Directed M.S. Theses in Hydrogeology, Geomorphology, and Neotectonics
Teaching: Physical Geology, Historical Geology, Groundwater Hydrogeology,
Structural Geology, Geology in the Field, Field Camp, Plate Tectonics,
Environmental Site Assessment, Advanced Groundwater Hydrogeology (grad),
Geologic Mechanics (grad), Estuaries (grad), Regional Geomorphology (grad),
Contaminant Hydrogeology (grad), Basin Analysis (grad)

1993-1995 **Consulting Environmental Geologist, Southern Pines, NC**
Directed subsurface investigations of contaminated
Advised lawyers and commercial clients concerning regulatory compliance

- 1990-1993** **Ground Water Section, North Carolina Div. of Environmental Management**
Developed and Drafted regulations, policies, & guidance documents
Managed investigations and remedial actions
Explained policies and procedures to consultants, attorneys, and regulated public
- Spring 1989** **Division of Natural Sciences, Bennington College**
Teaching: Introductory Physics (2nd sem.), Introduction to Geology
- 1987-1989** **Environmental Compliance Services, Inc., Springfield, MA**
Managed and Performed environmental site assessments and remediations
Conducted specialized geologic and geophysical investigations
- 1983-1987** **Consulting Geologist, Middlebury, VT** 1979-1981, 1983-1987
Conducted geologic/hydrogeologic surveys for groundwater resources
Managed and participated in mineral exploration programs
- 1982-1983** **Department of Geology, Trinity University**
Teaching: Physical Geology, Structural Geology, Geology of the Appalachians
- 1981-1982** **Department of Geology and Geography, Weber State University**
Teaching: Introduction to Geology, Physical Geology, Structural Geology,
Introduction to Plate Tectonics, Exploration Geophysics
- Spring 1981** **School of Education, Eastern Connecticut State University**
Teaching: Geology of Connecticut and New England
- Winter 1981** **Department of Geology & Geophysics, University of Connecticut - Hartford**
Teaching: Introductory Geology, Historical Geology
- 1978** **Urangesellschaft USA, Inc., Denver, CO**
Conducted uranium exploration and detailed mapping in Vermont

Consulting Experience

Recent Consulting:

- Advising on corrections for an underperforming geothermal well in crystalline rock
- Advising on methods for drying soils to preserve an tree barrier around a cemetery
- Developing a rapid passive drying method for interior spaces in recently flooded brick walls
- Advising on geologic structure interfering with hydraulic fracturing effectiveness
- Developing a new method of performing hydraulic fracturing
- Sourcing a natural gas leak in western Vermont
- Mapping stratigraphy and structure of the eastern Nittany Valley (Pennsylvania)
- Performing rare earth and precious mineral exploration throughout the Appalachians

Previous Consulting:

- Determining recharge zones for confined aquifers in northern Louisiana
- Advising on groundwater protection strategies in northern Louisiana
- Determining causes of groundwater rise that resulted in home flooding
- Determining the causes and extent of damage caused by a dam failure
- Performing geomorphic analysis of flood plain systems containing archeological sites
- Providing consultations related to contamination on military bases
- Performing site assessments associated with removal of leaking underground storage tanks
- Advising attorneys and environmental consultants on regulatory compliance procedures
- Performing site assessments at hazardous waste sites

Analyzing groundwater patterns around a decommissioned landfill
 Exploring for base metal deposits in southern Vermont
 Performing geologic/hydrogeologic analyses for groundwater resource development

Publication Summary

Books & Other Stand-alone Publications - 6 published (1 republished twice), 1 in press
 Articles & Similar Full-length Publications - 50 published
 Abstracts or Professional Presentations - 130 published

Publications and Professional Contributions

Books & Other Stand-alone Publications

- Gregg, W. J., Jr., and Washington, P. A., Graphical Methods for the Accurate Description and Analysis of Geologic Structures in Surface and Subsurface Settings: Wiley Interscience. [in press]
- Washington, P. A., 2009, Bedrock Geology of the Central Portion of the Mill Hall Quadrangle, Clinton County, Pennsylvania: Pennsylvania Geological Survey, Open-File Bedrock Geologic Map Report 09-01.0, map + 28p. <http://www.dcnr.state.pa.us/topogeo/openfile/millhall.aspx>
- Washington, P. A., 2005, Field Guide: Evidence of Neotectonic Activity in Northern Louisiana: ULM Geosciences Guidebook, 21p.
- Glawe, L. N., and Washington, P. A., 2005, Laboratory Manual for Physical Geology, Self Published [in open access pdf] for use by students at University of Louisiana at Monroe.
- Washington, P. A., ed., 1994, Guidebook - Evidence for the Taconic Orogeny in the Southern Appalachians, Field Conference of Taconic Geologists, Pigeon Forge, Tennessee, 95p.
- Washington, P. A., ed., 1992, Guidebook - Geology of the Taconic Orogen: A Sesquicentennial Field Conference, Field Conference of Taconic Geologists, Shoreham, Vermont, 80p.
- Washington, I. H., and Washington, P. A., 1976, Carleton's Raid, Phoenix Publishing, Canaan, NH, 103p. [republished 1998 and 2011 by Cherry Tree Books, Weybridge, VT]

Articles and Similar Full-length Publications

- Washington, P. A., 2013, The structure of the transition zone between the Valley-and-Ridge and plateau around the great bend in central Pennsylvania: *in* Fleeger, G.M., Schmid, K., and Anthony, R., eds., A Tale of Two Provinces: the Nippenose Valley and Route 15 Corridor, 78th Annual Field Conference of Pennsylvania Geologists, Williamsport, PA, p. 21-29.
- Washington, P., 2013, A note about foreland structures: *in* Fleeger, G.M., Schmid, K., and Anthony, R., eds., A Tale of Two Provinces: the Nippenose Valley and Route 15 Corridor, 78th Annual Field Conference of Pennsylvania Geologists, Williamsport, PA, p. 31-33.
- Washington, P., 2013, Stop 5 – Pine Creek Rail Trail by Jersey Shore: *in* Fleeger, G.M., Schmid, K., and Anthony, R., eds., A Tale of Two Provinces: the Nippenose Valley and Route 15 Corridor, 78th Annual Field Conference of Pennsylvania Geologists, Williamsport, PA, p. 133-137.
- Washington, P. A., 2011, Repeated contraction and extension: structural history of the central Champlain valley: New England Intercollegiate Geologic Conference, 103rd Annual Meeting Guidebook, p. B4-1 - B4-25.
- Washington, P. A., 2007, Evidence for multiple episodes of thrusting in the central Champlain Valley of Vermont: *Northeastern Geology and Environmental Science*, v. 29, p. 69-85.
- Washington, P. A., 2007, Comment on "Emergence of Complex Societies after Sea Level Stabilized": *EOS Transactions of the American Geophysical Union*, v. 88, no. 42, p. 384. [supplementary material published on-line at <http://www.agu.org/eos_elec/2007/88_42_429_Washington.html>]
- Washington, P. A., 2005, Rev. Augustus Wing and Beekmantown stratigraphy: *Northeastern Geology and Environmental Science*, v. 27, p. 163-176.
- Washington, P. A., 2004, Correlation of the subsurface structure in the Monroe Gas Field, NE Louisiana, with overlying neotectonic features: *Gulf Coast Association of Geological Societies Transactions*, v. 54, p. 719-728.

- Washington, P. A., 2004, Structure of the eastern portion of the Monroe Gas Field, NE Louisiana: Gulf Coast Association of Geological Societies Transactions, v. 54, p. 729-741.
- Washington, P. A., 2003, Sciences and Liberal Arts: educating for the future: Renaissance, College of Arts & Sciences, University of Louisiana at Monroe, no. 1, p. 2.
- Washington, P. A., 2002, Neotectonic deformation of alluvial valleys in southern Arkansas and northern Louisiana: Gulf Coast Association of Geological Societies Transactions, v. 52, p. 991-1002.
- Washington, P. A., 2001, Evidence for significant neotectonic thrust faulting in and around the Monroe uplift: Gulf Coast Association of Geological Societies Transactions, v. 51, p. 359-366.
- Washington, P. A., 2001, Geomorphic evidence for the origins and draining history of Paleolake Monroe, Ouachita River Valley, Louisiana and Arkansas: Gulf Coast Association of Geological Societies Transactions, v. 51, p. 367-377.
- De Hon, R. A., Washington, P. A., Glawe, L. L., Young, L. M., and Morehead, E. A., 2001, Formation of northern Louisiana ironstones: Gulf Coast Association of Geological Societies Transactions, v. 51, p. 55-61.
- Washington, P. A., 2001, The Taconic controversies revisited: a walk through the history of this most controversial terrain: Geological Society of America, Guidebook for 2001 Annual Meeting Field Trips, p. W-1 - W-22.
- Washington, P. A., and Chisick, S. A., 2000, Eaton's geologic mapping of Albany and Rensselaer counties: the beginning of modern geologic mapping: Northeastern Geology and Environmental Science, v. 22, p. 306-309.
- Washington, D. J. S., and Washington, P. A., 1999, Reading log design across the curriculum: Proceedings, Focus on Learning: Making Connections, Creating Opportunities, University of Arkansas, Hope, p. 76-101.
- Washington, P. A., 1997, The post-Pleistocene history of the central Otter Creek basin, Vermont: Northeastern Geology and Environmental Sciences, v. 18, p. 202-210.
- Washington, P. A., 1997, Discussion of "Wall shear stress in accelerating and decelerating turbulent pipe flows": Journal of Hydraulic Research, v. 35, p. 140-141.
- Washington, P. A., 1996, Foreland deposition vs. thrust mechanics: depositional controls on foreland thrust patterns: Northeastern Geology and Environmental Sciences, v. 17, p. 263-275.
- Washington, P. A., and Chisick, S. A., 1994, Foundering of the Cambro-Ordovician shelf margin in the northern and central Appalachians: onset of Taconian orogenesis or eustatic drowning: in J. M. Dennison and F. R. Etnensohn, eds., Sedimentary Cycle Control: Tectonics vs. Eustasy, SEPM Concepts in Sedimentology & Paleontology #4, p. 203-216.
- Walker, K. R., and Washington, P. A., 1994, Development and destruction of the Cambro-Ordovician carbonate shelf in eastern Tennessee: a multi-phase orogenic history: in P. A. Washington, ed., Guidebook - Evidence for the Taconic Orogeny in Eastern Tennessee, Field Conference of Taconic Geologists, Pigeon Forge, Tenn., p. 57-95.
- Washington, P. A., and Chisick, S. A., 1994, Estuarine facies models: conceptual basis and stratigraphic implications - discussion: Journal of Sedimentary Research, v. B64, p. 74-75.
- Washington, P. A., 1993, Is your tank UST or AST? Depends on how you look at it: North Carolina Environmental Law Letter, v. 4, no. 6, p. 3-4.
- Washington, P. A., 1993, Is the Green Mountain front a modern tectonic feature?: Green Mountain Geologist, v. 20, no. 2, p. 7-10.
- Washington, P. A., 1992, Structural transitions: southern Champlain thrust to northern Taconics, central Champlain Valley: in P. A. Washington, ed., Guidebook - Geology of the Taconic Orogen: A Sesquicentennial Field Conference, Field Conference of Taconic Geologists, Shoreham, Vermont, p. 48-80.
- Washington, P. A., 1992, Stratigraphic relations in the central Champlain Valley: recurring estuarine deposits and a retreating shelf margin: in P. A. Washington, ed., Guidebook - Geology of the Taconic Orogen: A Sesquicentennial Field Conference, Field Conference of Taconic Geologists, Shoreham, Vt., p. 1-47.
- Washington, Paul, 1992, Stratigraphy of the Cambro-Ordovician shelf in western Vermont: the legacy of Keith, Bain, and Cady: Green Mountain Geologist, v. 18, no. 4, p. 13-15.

- Washington, P. A., and Chisick, S. A., 1991, Prediction of facies distributions in prograding clastic shelf sequences: a non-Waltherian model based on sediment mechanics: Transactions, Gulf Coast Association of Geological Societies, v. 41, p. 669-674.
- Washington, P. A., 1991, Geology of Weybridge: *in* I. H. Washington, History of Weybridge, Vermont, Weybridge Bicentennial Committee, Weybridge, VT, p. 94-115.
- Washington, Paul, 1991, The origin of Carolina Bays: groundwater, meteors, or what?: Ground Water Professionals of North Carolina Newsletter, v. 3, no. 2, p. 2.
- Washington, P. A., 1990, The mechanical paradox of large overthrusts: alternative interpretation: Geological Society of America Bulletin, v. 102, p. 529-530.
- Stockwell, W. E., and Washington, P. A., 1990, What is the true age of the Brandon lignite?: Northeastern Geology, v. 12, p. 198-203.
- Washington, P. A., 1990, Should the term "Middlebury Synclinorium" be retained?: Green Mountain Geologist, v. 16, no. 4, p. 15-21.
- Washington, P. A., 1988, Geology of the western Vermont mineral belt: reply: Green Mountain Geologist, v. 15, no. 1, p. 21-26.
- Washington, P. A., 1988, Discussion of "Blind thrust systems": Geology, v. 16, p. 856.
- Washington, P. A., 1988, Proper scaling of radon surveys: a perspective based on natural radon sources in southern Vermont: Northeastern Environmental Science, v. 7, p. 40-44.
- Washington, P. A., and Larson, R. P., 1988, The Millers River delta and the deglaciation of the central Connecticut River Valley: New England Intercollegiate Geological Conference, p. 164-175.
- Washington, P. A., 1988, Arthur Keith's geologic work in Vermont: availability of his field work: Green Mountain Geologist, v. 14, no. 4, p. 21-25.
- Chisick, S. A., Washington, P. A., and Friedman, G. M., 1987, Carbonate-clastic synthem of the middle Beekmantown group in the central and southern Champlain Valley: New England Intercollegiate Geological Conference, p. 406-442.
- Washington, P. A., 1987, Cleavage vs. folding vs. thrusting: relative timing of structural events in the central Champlain Valley: New England Intercollegiate Geological Conference, p. 351-368.
- Washington, P. A., 1987, Discussion of "A classification of thrust fronts": American Association of Petroleum Geologists Bulletin, v. 71, p. 737-738.
- Washington, P. A., 1987, A hydrothermal mineral system in and around Searsburg ridge, southern Vermont: Green Mountain Geologist, v. 14, no. 2, p. 12-15.
- Washington, P. A., 1987, The thickness of the Middlebury limestone: Green Mountain Geologist, v. 14, no. 1, p. 12-15.
- Washington, P. A., and Chisick, S. A., 1986, Stratigraphy of the Beekmantown group in the central Champlain Valley: Vermont Geology, v. 5, p. F1 - F17.
- Washington, P. A., 1985, The geology of the Champlain Valley: groundwater: The Valley Voice (Middlebury, VT), v. 11, no. 49, p. 5, 23.
- Washington, P. A., and Washington, R. M., 1984, Discussion of "The calculation of bulk strain in oblique and inclined balanced sections": Journal of Structural Geology, v. 6, p. 513-514.
- Washington, P. A., 1984, Discussion of "Pressure dissolution and cleavage in the Martinsburg shale": American Journal of Science, v. 284, p. 186-188.
- Washington, P. A., 1982, Discussion of "Extensional model for the subsidence of the northern United States Atlantic continental margin": Geology, v. 10, p. 665.
- Washington, P. A., 1982, A revision of the stratigraphy of the upper limestone sequence near Middlebury, Vermont: Northeastern Geology, v. 4, p. 81-84.

Abstracts of Professional Presentations

- Washington, P. A., 2017, Predicting orientations of induced permeability created by hydraulic fracturing: Geological Society of America, Abstracts with Programs, v. 49, no. 2, paper 5-9.
- Washington, P. A., 2016, Development of the Silurian-Devonian carbonate platform resulted from isolation of the hinterland by Silurian extension: Geological Society of America, Abstracts with Programs, v. 48, no. 3, paper 62-6.

- Washington, P. A., 2016, Is the Champlain Valley a Silurian mega-graben?: Geological Society of America, Abstracts with Programs, v. 48, no. 2, paper 33-9.
- Washington, P. A., 2013, Evidence for iterated rotation of convergence directions during Alleghanian docking: Geological Society of America, Abstracts with Programs, v. 45, no. 7, p. 808.
- Washington, P. A., 2013, Fracking and earthquakes: not all induced seismicity is bad: Geological Society of America, Abstracts with Programs, v. 45, no. 7, p. 690.
- Washington, P. A., 2013, Structural transitions from valley-and-ridge to plateau: along-strike changes around the bend in central Pennsylvania: Geological Society of America, Abstracts with Programs, v. 45, no. 1, p. 76.
- Washington, P. A., 2012, The role of ocean tides in the rapid diagenesis of shallow marine carbonates: Geological Society of America, Abstracts with Programs, v. 44, no. 6, paper 190-6.
- Washington, P. A., and Chisick, S. A., 2012, Facies architecture in transgressive systems tracts around clastic channels through carbonate banks: examples from the Cambro-Ordovician of the Champlain valley (VT & NY): Geological Society of America, Abstracts with Programs, v. 44, no. 6, paper 190-13.
- Washington, P. A., 2012, Evidence for a Neogene contractional event affecting the Newark Supergroup: Geological Society of America, Abstracts with Programs, v. 44, no. 2, p. 42.
- Washington, P. A., 2012, Evidence for a Silurian origin of the eastern Adirondack boundary fault zone: Geological Society of America, Abstracts with Programs, v. 44, no. 2, p. 1.
- Mittelmeier, Mark Jr., Young, J., and Washington, P. A., 2012, Searching for evidence of valley glaciation in the high Alleghenies of southern Pennsylvania: Geological Society of America, Abstracts with Programs, v. 44, no. 2, p. 115.
- Washington, P. A., 2011, Evidence for Alleghanian deformation in the Champlain valley of Vermont: Geological Society of America, Abstracts with Programs, v. 43, no. 1, p. 72.
- Washington, Paul, 2010, Not all fractures are created equal – using natural fracture systems to get the most out of your hydrofracturing program: AIPG Marcellus Shale Conference, Pittsburgh, PA, May 2010. [published on-line at <<http://www.aipg.org/Seminars/HFMS/Washington,%20Paul.pdf>>]
- Washington, P. A., 2010, Pre-Alleghanian contractional deformation in central Pennsylvania: Geological Society of America, Abstracts with Programs, v. 42, no. 1, p. 171.
- Washington, P. A., and Chisick, S. A., 2010, Along_strike differential subsidence and the creation of the Mohawk_Valley arch: Geological Society of America, Abstracts with Programs, v. 42, no. 1, p. 108.
- Washington, P. A., 2010, Structure of the east end of the Nittany Valley, central Pennsylvania: Geological Society of America, Abstracts with Programs, v. 42, no. 1, p. 85.
- Washington, P. A., 2009, Duplexes, climbing imbricates, and triangle zones in response to changing compression directions around the bend of the Valley-and-Ridge in central Pennsylvania: Geological Society of America, Abstracts with Programs, v. 41, no. 7, p. 570.
- Washington, P. A., and Washington, R. M., 2009, Permeability vs. grain size: correcting for sorting: Geological Society of America, Abstracts with Programs, v. 41, no. 7, p. 447.
- Chisick, S. A., and Washington, P. A., 2008, Shales, carbonates, and structure: evidence for timing of Taconian orogenesis along the outer portions of the Cambro-Ordovician shelf in the Champlain valley and south-eastern Pennsylvania: Geological Society of America, Abstracts with Programs, v. 40, no. 2, paper 20-5.
- Washington, P. A., and Chisick, S. A., 2008, Controls on location and areal extent of the Queenston clastic wedge imposed by the pre-Taconian shelf architecture: Geological Society of America, Abstracts with Programs, v. 40, no. 2, paper 20-4
- Washington, P. A., 2007, Groundwater drainage as a cause of river meandering: Geological Society of America, Abstracts with Programs, v. 39, no. 6, p. 138.
- Washington, P. A., and Chisick, S. A., 2007, Ordovician canyons, shales, and the deformation of the Appalachian Cambro-Ordovician carbonate shelf margin: Geological Society of America, Abstracts with Programs, v. 39, no. 6, p. 538.

- Washington, P. A., 2007, Can the concurrent E-W contraction in the Adirondacks and extension in the Champlain Valley be explained by differential post-glacial rebound?: Geological Society of America, Abstracts with Programs, v. 39, no. 1, p. 65.
- Washington, P. A., and Chisick, S. A., 2006, Evidence for post-Caledonian orogenesis in the southern and central Champlain Valley: Geological Society of America Abstracts with Programs, v. 38, no. 7, p. 448.
- Washington, P. A., and Chisick, S. A., 2006, Four distinct deformational phases in the Taconic foreland, central and southern Champlain Valley, VT & NY: Geological Society of America Abstracts with Programs, v. 38, no. 2, p. 20.
- Washington, P. A., and Chisick, S. A., 2006, Geomorphic evidence for Holocene dextral transtension in the central Champlain Valley of Vermont: Geological Society of America Abstracts with Programs, v. 38, no. 2, p. 68.
- Washington, P. A., 2006, Morphology of the Monroe Gas Rock: a small carbonate platform sitting atop a foundered Late Cretaceous shelf surface: Geological Society of America Abstracts with Programs, v. 38, no. 1, p. 31.
- Washington, P. A., and Chisick, S. A., 2005, Taconic? What Taconic? It is mostly Caledonian!: Geological Society of America Abstracts with Programs, v. 37, no. 7, p. 20.
- Washington, P. A., and Chisick, S. A., 2005, Distinguishing between erosional and depositional shelf surfaces underlying foreland basin deposits: the key to determining orogenic timing in the Taconic orogen: Geological Society of America Abstracts with Programs, v. 37, no. 7, p. 338.
- Washington, P. A., 2005, Evidence for multiple episodes of thrusting in the central Champlain Valley of Vermont: Friedman Geosciences Conference 2005, Troy, NY, Northeastern Geology and Environmental Science.
- Washington, P. A., 2005, Interacting thrust systems and submarine canyons during Taconian deformation of the Ordovician outer shelf in the Champlain Valley, Vermont and New York: American Association of Petroleum Geologists, 2005 Annual Meeting Abstracts Volume, p. A150.
- Washington, P. A., 2005, Quaternary tectonics of northeastern Louisiana – geomorphic controls on structure: Geological Society of America, Abstracts with Programs, v. 37, no. 2, p. 40.
- Washington, P. A., and Chenoweth, M. S., 2005, Changing river patterns in northeastern Louisiana during the Holocene - interplay of tectonics and aggradation: Geological Society of America, Abstracts with Programs, v. 37, no. 2, p. 40.
- Washington, P. A., 2005, Structure of eastern Shoreham, Vermont: a complex portion of the Taconian foreland thrust belt: Geological Society of America, Abstracts with Programs, v. 37, no. 1, p. 83.
- Washington, P. A., and Chisick, S.A., 2005, Evidence for onset and westward progression of Taconian orogenesis in the central and southern Champlain Valley: Geological Society of America, Abstracts with Programs, v. 37, no. 1, p. 17.
- Washington, P. A., 2005, Rev. Augustus Wing and Beekmantown stratigraphy: Geological Society of America, Abstracts with Programs, v. 37, no. 1, p. 25.
- Washington, P. A., and Morgan, R. A., 2004, Evidence for compressional Late Holocene tectonics in northern Louisiana: Geological Society of America, Abstracts with Programs, v. 36, no. 5, p. 138.
- Morgan, R. A., and Washington, P. A., 2004, Fracture-controlled recharge into the confined Sparta aquifer, northern Louisiana: Geological Society of America, Abstracts with Programs, v. 36, no. 5, p. 311.
- Washington, P. A., and Chenoweth, M. S., 2004, Extracting usable lineation orientations from digital elevation data through normalized discretized slope diagrams: Geological Society of America, Abstracts with Programs, v. 36, no. 5, p. 283.
- Washington, P. A., 2004, Correlation of the subsurface structure in the Monroe Gas Field, NE Louisiana, with overlying neotectonic features: Gulf Coast Association of Geological Societies, 2004 Annual Meeting.
- Washington, P. A., 2004, Structure of the eastern portion of the Monroe Gas Field, NE Louisiana: Gulf Coast Association of Geological Societies, 2004 Annual Meeting.

- Washington, P. A., 2004, Evidence for active N-S shortening in the northern Gulf coastal plain: Proceedings, Workshop on Earth Scope Science for Mid-America, University of Memphis, August 2004.
- Washington, P. A., 2004, Tectonic origins of the C-O-W escarpment: correlation of subsurface structure with surface features: Geological Society of America Abstracts with Programs, v. 36, no. 1, p. 27.
- Mixon, V., Morgan, R. A., and Washington, P. A., 2004, Topographic analysis of the C-O-W escarpment and correlation with regional neotectonics: Geological Society of America Abstracts with Programs, v. 36, no. 1, p. 27.
- Washington, P. A. 2003, Geomorphic evidence for the structure and timing of the North Louisiana Tectonic Zone: Geological Society of America Abstracts with Programs, v. 35, no. 6, Abstract # 238-17.
- Thibodeaux, C. J., Washington, P. A., and De Hon, R. A., 2003, Determining water levels in Maumee and Vedra Valles (Mars) using equilibrium sediment transport theory: 33rd Lunar & Planetary Science Conference, Abstract #1256.
- Thibodeaux, C. J., Washington, P. A., and De Hon, R. A., 2003, Grain-size analysis of Maumee and Vedra channel sediments (Mars) using equilibrium sediment transport theory: 33rd Lunar & Planetary Science Conference, Abstract #1268.
- De Hon, R. A., Washington, P. A., and Thibodeaux, C. J., 2003, Excavation time for the Vedra and Maumee channels (Mars) by application of equilibrium sediment transport theory: 33rd Lunar & Planetary Science Conference, Abstract #1178.
- Washington, P. A., 2003, Regional fracture patterns in Eocene strata of northern Louisiana: correlations with neotectonic features: Geological Society of America Abstracts with Programs, v. 35, Abstract #11-3.
- Thibodeaux, C. J., Washington, P. A., and De Hon, R. A., 2003, Using Stream-Sediment Equilibrium Theory to analyze paleoflow in stream channels: lessons from Mars: Geological Society of America Abstracts with Programs, v. 35, Abstract 9-1.
- Washington, P. A., 2002, Neotectonic deformation of alluvial valleys in southern Arkansas and northern Louisiana: Gulf Coast Association of Geological Societies, Program for 52nd Annual Convention. p. 107.
- Washington, P.A., 2001, Meandering rivers and the draining of floodplains: a proposal for the geomorphic effects of groundwater discharge on low-gradient rivers: Geological Society of America Abstracts with Programs, v. 34, no. 6.
- DeHon, R. A., and Washington, P. A., 2001, Implications of sapping channels on Mars: Louisiana Academy of Sciences.
- Washington, P. A., 2001, Geomorphology and history of the paleolake basin along the Ouachita River near the Louisiana-Arkansas border: Louisiana Academy of Sciences.
- Washington, P. A., and Strickland, C. L., 2001, Compressive tectonics of the northern Gulf of Mexico coastal plain and the evolution of the current surface topography: Louisiana Academy of Sciences.
- Washington, P. A., and Chisick, S. A., 2000, Eaton's geologic mapping of Albany and Rensselaer Counties: the beginning of modern geologic mapping: Conference on the History of Geologic Pioneers, Northeastern Science Foundation, Troy, NY, Northeastern Geology and Environmental Science, v. 22, p. 262.
- Washington, P. A., and De Hon, R. A., 2000, Hydrogeologic constraints on sapping channel formation: lessons from Mars: Geological Society of America, Abstracts with Programs, v. 32, no. 4, p. A-44.
- Washington, P. A., and Gregory, J. D., 2000, Fracture systems in northern Louisiana: implications for the hydrogeology and restoration of the Sparta aquifer: Geological Society of America, Abstracts with Programs, v. 32, no. 4, p. A-43 - A-44.
- Washington, P. A., and Strickland, C. L., 2000, Geomorphic expressions of fracture systems in north-central Louisiana: Geological Society of America, Abstracts with Programs, v. 32, no. 4, p. A-44.
- DeHon, R. A., and Washington, P. A., 2000, Implications of sapping channels on Mars: Lunar & Planetary Science Conference XXXI.

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Additional Professional Activities

- Co-founder and Co-editor, [Northeastern Geoscience](http://northeastngeoscience.org). <northeastngeoscience.org>
- Organizer and Co-Chair, Gerald M. Friedman Memorial Symposium on Carbonate edimentology and Stratigraphy, SEPM Special Symposium at Geological Society of America Annual Meeting, Charlotte, NC, October 2012.
- Co-Chair, "Session 24 - Quaternary and Glacial Geology & Geomorphology," Northeastern Section Meeting, Geological Society of America, Durham, NH, March 2007.
- Grant - Geologic Mapping of the northern 3/4 of the Mill Hall Quadrangle, Pennsylvania: *part of 2007 Pennsylvania Geological Survey State Map Grant 07HQAG0127* from the U.S. Geological Survey.
- Expert Witness & Environmental Consultant: Assisting (pro bono) attorneys with technical and regulatory issues associated with a class action following large releases from hazardous waste incineration facility in El Dorado, Arkansas, July 2005-June 2006.
- Paul A. Washington and M. Sean Chenoweth, A Geomorphologic Investigation of Site 16CA106 in the Bayou de Chene Watershed, Caldwell Parish, Louisiana:@ Consulting report for R. Christopher Goodwin & Associates, Inc., New Orleans, La., August 2004.
- Paul A. Washington and M. Sean Chenoweth, A Geomorphologic Investigation of Site 16CA114 in the Bayou de Chene Watershed, Caldwell Parish, Louisiana:@ Consulting report for R. Christopher Goodwin & Associates, Inc., New Orleans, La., August 2004.
- Invited Participant, Workshop on Earth Scope Science for Mid-America, University of Memphis, August 2004.
- Chair, "Topics in Tectonics and Structure," Geological Society of America, South Central Section Meeting, March 2004.
- Geologic Consultant: Assisted (pro bono) local public interest groups with preparation of arguments before commissions and other political entities concerning the Sparta Aquifer with particular emphasis on groundwater conditions, problems concerning for long-term sustainability and potential for contamination and degradation, 2001-2003.

- Paul A. Washington, An Investigation of the Hydrogeologic Conditions at 3501 Janice Drive, Ruston, Louisiana: @ Consulting report for Robert Earle, Farmerville, La. *Included expert testimony in Louisiana District Court, November 2003.*
- Washington, P. A., 2003, Mapping of a portion of the Bayou de Loutre valley, Union Parish, Louisiana: US Geological Survey, EDMAP Program.
- Co-convener and Co-Chair, "Seismicity and Neotectonics in the Southern United States," Theme Session, Geological Society of America, Southeastern-South Central Joint Section Meeting, March 2003.
- Judge, "Applied Sedimentology", Gulf Coast Association of Geological Societies, 2002 Annual Meeting.
- Associate Editor for SEPM sessions, Transactions of the Gulf Coast Association of Geological Societies, 2001 Annual Meeting.
- Co-Chair, Earth Sciences Section, Louisiana Academy of Sciences, 2001 Annual meeting, University of Louisiana at Monroe, February 2001.
- Geologic Consultant for "'Stone, Scholars, & Supporters: Middlebury and the growth of its college," exhibit at the Henry Sheldon Museum of Vermont History, Middlebury, VT, Summer-Fall, 2000.
- American Chair, "Surface Water - Groundwater Interactions, Session II," Fourth USA/CIS Joint Conference on Environmental Hydrology and Hydrogeology, American Institute of Hydrology, November 1999.
- Paul A. Washington, A Geologic and Sedimentologic Investigation of the Failure of a Small Dam in Ouachita Parish, Louisiana (SW3 Sect. 14 T18N R2E) and the Resulting Sediment Deposition in Eagle Lake: @ Consulting report for Blackwell, Chambliss, Henry, Caldwell & Cagle, West Monroe, La., May 1997. *Included expert testimony in Louisiana District Court, April 1999.*
- Washington, P. A., 1998, Equipment for Geophysics and Mineralogy Programs at Northeast Louisiana University: Louisiana Board of Regents Support Fund.
- Camille, M., and Washington, P.A., 1998, "Integrated Environmental Investigation of the Black Bayou Watershed, Ouachita Parish, Louisiana," Louisiana Board of Regents Support Fund. [initially approved and then unfunded due to legislative reduction of funds].
- Contributing Faculty Member, "Integrating Technology and Multidisciplinary Studies", Louisiana Collaborative for Excellence in the Preparation of Teachers Grant, NSF & Board of Regents Support Fund, 1997 & 1998.
- Organizer and Co-Chair, "Mechanics of the Riverbed", theme session T51, Geological Society of America, 1996 annual meeting.
- Participant, "Resources for Geoscience Education", LaCEPT Workshop, Northeast Louisiana University, October 1996.
- Co-Chair, "Theme Session 7 - Hydrogeology (Part I)," Geological Society of America, Southeastern Section Meeting, March 1996.
- Chair, "Theme Session 3 - Structure/Tectonics - Structural Geology," Geological Society of America, Southeastern Section Meeting, March 1996.
- Faculty Participant and Contributor, "Resources for Geoscience Education", LaCEPT Workshop, Northeast Louisiana University, 1996.
- Co-Chair, "Hydrogeology IV" technical session, Geological Society of America, Annual Meeting, New Orleans, November 1995.
- Oral Presentation, "Catastrophic Uniformitarianism vs. Uniform Catastrophism: Competing new paradigms for interpreting earth history," Sigma Xi seminar, Northeast Louisiana University, September 1995.
- Participant, "Reforming Teaching Strategies and Methodologies at the University Level," LaCEPT Workshop, Northeast Louisiana University, February-March 1995.
- Organizer, 1994 Field Conference of Taconic Geologists, Pigeon Forge, TN, June 1994.
- Author (unnamed), Sampling Protocols, in Guidelines for the Investigation and Cleanup of Soil and Groundwater Contaminated with Petroleum," N.C. Division of Environmental Management, Groundwater Section, March 1993.
- Author (unnamed), Regulations: Administration of the Leaking Petroleum Underground Storage Tank Cleanup Funds, 15A NCAC 2P, February 1993.

- Author (unnamed), Information Circular: "Answers to Common Questions: Underground Storage Tanks, the Leaking Petroleum Underground Storage Tank Cleanup Funds, & the Groundwater Protection Loan Fund" N.C. Division of Environmental Management, Groundwater Section, January 1993.
- Author (unnamed), Regulations: Groundwater Protection Loan Fund, 15A NCAC 1K, December 1992.
- Oral Presentation, "Catastrophic Uniformitarianism vs. Uniform Catastrophism: Competing new paradigms for interpreting earth history," Faculty Seminar, Pembroke State University, November 1992.
- Convener, "Thrust Fault Sesquicentennial", theme session, Geological Society of America, 1992 annual meeting, October 1992.
- Author (unnamed), Regulations: Financial Responsibility Requirements for Owners and Operators of Underground Storage Tanks, 15A NCAC 2O, July 1992.
- Attendee, "Advanced Principles of Ground Water Hydrology," by Ralph Heath, Short course for N.C. Division of Environmental Management, July 1992.
- Organizer, 1992 Field Conference of Taconic Geologists, Shoreham, VT, June 1992.
- Oral Presentations, "Financial Responsibility Requirements for Owners and Operators of Underground Storage Tanks," North Carolina Petroleum Marketers Association Environmental Workshops, November 1991.
- Faculty Member, 1991 NC-SC Environmental School, Charlotte-Mecklenburg (NC) Chamber of Commerce, November 1991.
- Discussion Leader, "Soil Remediation," Ground Water Professionals of North Carolina, Discussions Series, April 1991.
- Author (unnamed), Information Circular: "Answers to Common Questions: Leaking Petroleum Underground Storage Tank Cleanup Funds" NC Division of Environmental Management, Groundwater Section, August 1991.
- Oral Presentations, "Administration of the Trust Funds," N.C. Underground Storage Tank Trust Funds Consultant's and Owners/Operators Days, October & November 1990.
- Editor (unnamed), Underground Storage Tank Notebook: N.C. Department of Environment, Health, and Natural Resources & N.C. Petroleum Marketers Association, October 1990.
- Attendee, "Remedial Strategies for Petroleum Contamination of Groundwater," Workshop by Georgia Institute of Technology and U.S. Environmental Protection Agency, July 1990.
- Co-Exhibitor [with Dr. Suellen Cabe], "Geology of Scotland County, North Carolina," John Blue Cotton Festival, Laurinburg, North Carolina, October 1989.
- Washington, P. A., 1989, "Current imperatives in the environmental sciences," a Solicited Letter included in the 1988-1989 Report, Environmental Science Project, Belchertown (MA) Public Schools.
- Poster presentation, "The Unpublished Geologic Maps of Arthur Keith," Vermont Geological Society Winter Meeting, February 1988.
- Member of Panel for "Discussion of Local Watershed Issues" at "Special Symposium: Understanding Local Watersheds," Greenfield Community College, January 1988.
- Washington, P. A., 1987, "The Millers Falls Industrial Park: the risk to the Millers Falls public water supply," Unpublished Public Report.
- Washington, P. A., and McCartney, K. P., 1982, Investigation of the effect of strain on conodont color: Weber State College, Research and Professional Growth Committee.