

Peter Wampler, *PhD, RPG*

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Education

- Oregon State University, Corvallis, Oregon
- 2000-2004 PhD, Fluvial Geomorphology, Geosciences Department, August 2004.
- Board of Geologic Examiners, State of Oregon
- 2000 Registered Professional Geologist, #G1894, June 2000.
- Oregon State University, Corvallis, Oregon
- 1990-1994 MS, Geology; minor, Geography (geographic information systems), Geosciences Department, June 1994.
- Western Washington University, Bellingham, Washington
- 1983-1988 BSc, Geology, Geology Department, March 1988.

Professional Academic Positions

Grand Valley State University, Allendale, Michigan

2010-Pres. Associate Professor

- Served on masters' committees for Andrew Sisson at GVSU.
- Research human impacts to water resources in Haiti and water intervention effectiveness; impacts to river systems resulting from dams; sustainable stormwater practices at GVSU
- Teach Geomorphology, Geology GIS Applications; Environmental Geology

2004-2010 Assistant Professor

- Served on masters' committees for April Wright at GVSU, and Barbara Burkholder at Oregon State University.
- Geomorphology, *Geo320*. W 2008.
- Exploring the Earth, *Geo111*. W 2007, F 2007, W 2009, F 2009.
- Rivers and Watersheds, *Geo380B*. W 2006, W 2007, W 2008.
- Environmental Geology, *Geo100A* (2 sections) and Discussion Groups *Geo100A1-A6*. W 2005, W 2006.
- Oceans, *Geo103*. F 2005.
- Earth and the Environment, *Geo300*. F 2005 (2 sections), F 2006, F 2008.
- Living with the Great Lakes, *Geo105* (2 sections). Introductory class covering systems related to the Great Lakes. F 2004, Sum 2005 (1 section), F 2006, F 2008.
- Senior Seminar, *Geo485*. F 2004, W 2005, F 2005, W 2006, F 2006, W 2007, F 2007, W 2008, F 2008, W 2009, F 2009.
- GIS applications in Earth Sciences, *Geo380*. W 2009.

Oregon State University, Corvallis, Oregon

2003-2004 Instructor

- Earth Systems Science, *Geo202*. Surficial processes, climate, soils, vegetation, and their interrelationships. W 2004.
- The Solid Earth, *Geo101*. Solid earth processes and materials: earthquakes, volcanoes, earth structure, rocks, minerals, ores, geologic time, solid earth hazard prediction and planning. Sum 2003.

2000-2001 Teaching Assistant, Outstanding Graduate Teaching Assistant Award, 2000-2001

- The Surface of the Earth, *Geo102 Lab*. Co-authored lab manual with Dr. Roy Haggerty; head teaching assistant for all sections of course. Processes that shape the earth's surface. Weathering mass movement, ice dynamics, biogeography, climate, surface and ground water flow. W 2001.
- Earth Systems Science, *Geo201 Lab* (current course number *Geo202*). Surficial processes, climate, soils, vegetation, and their interrelationships. F 2000.

Peter Wampler

Linn-Benton Community College, Corvallis, Oregon

1995-2001 **Instructor**, Outstanding Part-time Instructor Award, 1999.

- Introduction to Geology, *G101*. Introduction to geology and the processes that shape the landscape. Topics include a study of rocks & minerals, plate tectonics, volcanic and earthquake activity, & earth's geologic resources. F 1999, F 2000, F 2001.
- A River Runs Through It - The Willamette River and our community. History of the Willamette River and how our community and the river are connected, learning through discussion and hands-on exploration. F 2001.
- Gold Panning. An introduction to the art of panning for gold, with field trip. Sum 2000.
- Introduction to Geology – Surface Processes, *G102*. Introduction to geology and the processes that shape the dynamic landscape, including weathering and erosion processes, river dynamics and morphology, ground water, glaciers, landslides, coastal processes, and an overview of environmental geology and geologic hazards. W 1999, W 2000.
- Physical Science: Principles of Earth Science, *G106 (co-instructed)*. Survey course covering a broad background in physical science, including atomic science, geology, atmospheric science and astronomy. S 2000.
- Regional Geology, *G103*. Introduction to geology and the processes that have shaped Oregon's landscape. S 1999.
- Microcomputers, an Introduction. Course description. F 1998, W 1999.
- Internet for Beginners. An introduction to the global on-line network, internet. Learn to use E-mail, Usenet, Gopher, Archie, FTP and other elements of the internet. 1998-99.
- Regional Geology, *G120 (co-instructed)*. Introduction to geology and the processes that have shaped Oregon's landscape. S 1995, F 1995, F 1996, F 1997, F 1998.
- Windows 95. An introduction to the Windows 95 operating system including file management and applications. 1998.
- Geologic Hazards (*co-instructed*). An overview of geologic hazards for the homeowner including earthquake preparedness, floods, landslides, and other hazards. W 1995.

Oregon State University, Corvallis, Oregon

1990-1991 **Teaching Assistant**

- Economic Geology, *Geo440/540 Lab*. Principles of the origin, distribution, and importance of metallic mineral deposits formed by magmatic, hydrothermal, and sedimentary processes. S 1991.
- Surface Processes, *Geo320 Lab*. Examination of surficial processes and terrestrial landforms of the earth, including slopes, rivers, glaciers, deserts, and coastlines. S 1991.
- Geomorphology, *Geo480 Lab*. W 1991.
- Earth Systems Science, *Geo201 Lab*. Surficial processes, climate, soils, vegetation, and their interrelationships. F 1990.

Other Professional Positions

Oregon Department of Geology and Mineral Industries, Mined Land Reclamation Program, Albany, Oregon

1995-2000 **Reclamationist**, 1998 Oregon Department of Geology Incentive Award - in appreciation for outstanding contribution to its mission.

- Designed, scheduled, & developed teaching materials, and presented workshops to mining industry representatives and government agency personnel.
- Applied geology, hydrology, geomorphology, and other disciplines to arrive at field solutions to mining-related problems.
- Initiated and maintained a World Wide Web homepage and geographic information system (GIS) for the department.
- Developed a digital mapping system for producing aerial photo-based maps.
- Completed technical reviews of mining permits including extensive interagency environmental assessments.

1993-1995 **Environmental Specialist II**

- Provided technical expertise on reclamation techniques.
- Coordinated projects with other natural resource agencies.
- Developed and implemented an integrated information management system using a local area network (LAN).
- Performed field inspections of mine sites to insure compliance.

Peter Wampler

Zortman Mining Inc., Zortman, Montana

1990

Geologist II

- › Supervised all field aspects of a 10,000-foot reverse circulation drilling program.
- › Assigned and reviewed work performed by junior drill-site geologists.
- › Completed geologic mapping to delineate new drilling prospects.
- › Developed a computer database for accessing drilling results.

Sovereign Gold Exploration, Reno, Nevada

1988-1989

Field Geologist

- › Mapped geology near Salmon and Mackay, Idaho; and areas near Eureka and Winnemucca, Nevada.
- › Oversaw field aspects of drilling programs.

Articles and Technical Reports (* indicates refereed article)

- Wampler Peter J., Sisson, Andrew J., Rediske, Rick R., Molla, Azizur R. 2013. Water resources and sustainable water resource solutions for Haiti. In preparation for submission to Water Resources Research.
- *Wampler, P., Rediske, R., Molla, Using ArcMap, Google Earth, and Global Positioning Systems to select and locate random households in rural Haiti, accepted for publication in the International Journal of Health Geographic, January 6, 2013.
- *Sisson, Andrew J., Wampler Peter J., Rediske, Rick R., Molla, Azizur R. 2012. Field evaluation of Biosand filters installed for one to ten years in rural Haiti. In Press.
- *Sisson, A. J., Wampler, P., Rediske, R., Molla, A. 2012, An assessment of long term Biosand filter use and sustainability in Haiti Journal of Water, Sanitation and Hygiene for Development. In Press.
- * Wampler, P. J. 2011. Rivers and streams - water and sediment in motion. Nature Education Knowledge 3(10):18 <http://www.nature.com/scitable/knowledge/library/rivers-and-streams-water-and-26405398>.
- *Wampler, Peter., 2011. Pick sanitation over vaccination in Haiti. Nature (London), 470 (7333), p. 175.
- Wampler, Peter J. 2010. Safe and sustainable water for Haiti, www.gvsu.edu/haitiwater. Launched in October 2010.
- Wampler, Peter J. 2010. GVSU Stormwater Initiative, www.gvsu.edu/stormwater . Launched in February 2010.
- *Wampler, P. J., Sisson, A. J., 2010, Spring flow, bacterial contamination, and water resources near Verrettes, Haiti, Environmental Earth Sciences Journal, 62 (8). p. 1619-1629.
- Wampler, P. J., 2010. Proud People in a Land Stripped Bear. Padnos International Center Global Connections Winter 2010. p. 4-9.
- Wampler, P. J. 2010. Grand Valley State University's Secret Garden. Grand Valley Review. 4 p.
- Wampler, P.J., 2009, GVSU storm water monitoring data summary, progress report, and recommendations: Grand Valley State University Facilities, 57 p.
- Sisson, A.J., and Wampler, P.J., 2008, Evaluation of spring flow, bacterial contamination, and distribution of fresh water resources in the vicinity of Verrettes, Haiti: Grand Valley State University Summer Scholar Report, 47 p.
- *Burkholder, B.K., Grant, G.E., Haggerty, R., Khangaonkar, T., and Wampler, P.J., 2008, Influence of hyporheic flow and geomorphology on temperature of a large, gravel bed river, Clackamas River, Oregon, USA: Hydrological Processes, v. 22, p. 941-953.
- *Garwood, D.L., Schmidt, K.L., Kauffman, J.D., Stewart, D.E., Lewis, R.S., Othbert, K.L., and Wampler, P.J., 2007, Geologic map of the White Bird Quadrangle, Idaho County, Idaho: Idaho Geological Survey.
- *Wampler, P., Schnitzer, E.F., Cramer, D., and Lidstone, C., 2007, Meander cutoff into a gravel extraction pond, Clackamas River, Oregon: Society for Mining, Metallurgy, and Exploration, 2007 Transactions, v. 322, p. 65-77.
- Wampler, P., 2007, Reconnaissance report, Anse-à-Galet Spring, Haiti: West Indies Self Help, 5 p.
- Grant, G., Haggerty, R., Lewis, S., Burkholder, B., and Wampler, P.J., 2006, Potential effects of gravel augmentation on temperature in the Clackamas River, Oregon: Portland General Electric Company, 19 p.
- Cotter, L., and Wampler, P.J., 2006, 2006 Robinson Township community recreation plan, unpublished report, 23p.
- Wampler, P.J., 2006, Temperature variability within a two-mile reach below River Mill Dam, Clackamas River: Portland General Electric Company, 13 p.
- Wampler, P.J., and Hales, G., 2006, Coarse sediment resource evaluation near River Mill Dam: Portland General Electric Company, 13 p.
- Wampler, P.J., and McBain, S., 2005, Lower Clackamas River coarse sediment management plan: Portland General Electric Company, 14 p.
- Wampler, P.J., 2004, Reconnaissance evaluation of large wood in the lower Clackamas River below River Mill Dam: Portland General Electric Company, 19 p.
- Wampler, P.J., 2004, Contrasting styles of geomorphic response to climatic anthropogenic, and fluvial changes across modern to millennial time scales, Clackamas River, OR [PhD thesis]: Oregon State University, 398 p.
- *Lewis, S., Wampler, P., Grant, G., Deibel, R., Schmidt, L., Furniss, M., and McCammon, B., 2004, The geomorphic response of rivers to dams: a short course in Furniss, M.J., and Guntle, J., eds., General Technical Report PNW-GTR-601: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station (CD-ROM).

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- Wampler, P.J., and Grant, G., 2003, Final report, geomorphic changes resulting from River Mill Dam operations: Portland General Electric Company, 43 p.
- Wampler, P.J., and Giles, D., 2004, Geosciences 202, Earth system science, laboratory manual: Department of Geosciences, Oregon State University, 45 p.
- Wampler, P.J., 2003, Geomorphic changes resulting from River Mill Dam operations: Portland General Electric Company, 44 p.
- Wampler, P., and Haggerty, R., 2001, Geosciences 102, The surface of the earth, laboratory manual: Department of Geosciences, Oregon State University, 40 p.
- McBain, S., Trush, W., Hales, G.H., Wampler, P., and Grant, G., 2001, Geomorphic setting summary report for the mainstem Clackamas River and Oak Grove Fork of the Clackamas River: Portland General Electric Company, 52 p.
- *Schnitzer, E. F., Wampler, P.J., and Mamoyac, S. R., 1999, Floodplain aggregate mining in western Oregon: Mining Engineering, v. 51, no. 12, p. 21-29.
- Norman, D. K., Wampler, P.J., Throop, A. H., Schnitzer, E. F., and Roof, J. M., 1996 (revised 1997), Best management practices for reclaiming surface mines in Washington and Oregon: Open File Report - State of Oregon, Department of Geology and Mineral Industries 199604, variously paginated (<http://www.dnr.wa.gov/geology/pdf/bmp.pdf>).
- Wampler, P.J., 1995, Geology, hydrothermal alteration, and geographic information system analysis of the Zortman Mine area, Montana [Master's thesis]: Oregon State University, 167 p.
- Wampler, P.J., 1992, Geographic information system analysis of the area surrounding the Zortman Mine: Pegasus Gold Corporation, 20 p.
- Wampler, P., 1986, Zeolites in southeast Alaska: Mineral News, 2 p.

Abstracts (Students in Bold Italics)

- Riemersma, Peter E., Wampler, Peter J. 2012. Using a Photography Contest to Celebrate and Raise Awareness of Departmental Activities. Geological Society of America Abstracts with Programs. Vol. 44, No. 7, p.101.
- Leslie, Caitlin E.**, Weber, John, Wampler, Peter J., Aliyeva, Elmira, 2012. Recent Folding, Geomorphic Evolution, and Paleoclimate: Apsheron Peninsula, Azerbaijan. Geological Society of America Abstracts with Programs. Vol. 44, No. 7, p.239
- Simonson, Scott**, Wampler, Peter J., **Pontius, Amberjane, and Stockoski, Michael**. 2011. Using total suspended sediment data to evaluate the impacts of storm water diversion to a constructed wetland at Grand Valley State University, Allendale, Michigan. Geological Society of America Abstracts with Programs, Vol. 43, No. 5, p. 114.
- Wampler, Peter J., **Sisson, Andrew J.** 2011. Pathogen pathways, contamination, and sustainable water resource solutions for Haiti. Geological Society of America Abstracts with Programs, Vol. 43, No. 5, p. 666.
- Molla Azizur, Wampler Peter, Rediske Richard. 2011. Ethnoscience analysis to assess drinking water quality in Bangladesh. Central states Anthropological Society Meeting.
- Wampler, P. J., **Bourdon, P. D.**, 2010. Tracer Gravel Dispersion and Transport in a Regulated River. Geological Society of America Abstracts with Programs, Vol. 42, No. 5, p. 648.
- Kenroy, P., Espinosa, J, Barr, J., Crosby, K., Koster, K., Kroskie, C., Matzke, B., Roldan, M., Russo, M., Siemer, K., Slot, M., Walters, K.**, Weber, J., **Westhuis, A., Williams, C.**, and Wampler, P., 2009, Digital geologic and geomorphic mapping in the GVSU (Allendale) campus ravines: West Michigan Undergraduate Forum.
- Burkholder, B.K.**, Grant, G., Haggerty, R., Wampler, P.J., and Khangaonkar, T., 2009, Can gravel augmentation cool a large, gravel-bed river?: Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 42.
- Wampler, P.J., and **Sisson, A.J.**, 2009, Groundwater resources and contamination in rural Haiti: Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 578.
- DeWitt, A.R.**, and Wampler, P.J., 2009, Seasonal substrate temperature anomalies at Sand Creek, Aman Park, Ottawa County, Michigan: Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 468.
- Snyder, E.B., Wampler, P.J., **Nelson, J.M., Drogowski, J., and Harju, M.**, 2009, An argument for the preservation and protection of a unique set of 1st order tributary streams experiencing a press disturbance: North American Benthological Society Annual Meeting, Grand Rapids, Michigan, Abstract # 4390.
- Wampler, P.J., and **Sisson, A.J.**, 2009, Evaluation of spring flow, bacterial contamination, and distribution of fresh water springs in the vicinity of Verrettes, Haiti: 5th annual Conference on hydrology, ecology and vulnerability of karst aquifers, Safety Harbor, Florida.
- Nagorsen, S.E.**, Wampler, P.J., and **Womble, P.J.**, 2007, Diurnal, rainfall response, and longer period temperature variability in two watersheds in Western Michigan: Geological Society of America Abstracts with Programs, v. 39, no. 6, p. 486.
- Haggerty, R., **Burkholder, B.K.**, Grant, G.E., Jefferson, A., Wampler, P., and Khangaonkar, T.P., 2007, Temperature influence of hyporheic geomorphology in a large, gravel-bed river: Measurements and modeling in the Clackamas River, Oregon, USA: Geophysical Research Abstracts, v. 9, 05459.
- Wampler, P.J., and Clark, K., 2006, Clickers in the classroom – rewards and regrets of using student response systems in a large enrollment geology course: Geological Society of America Abstracts with Programs, v. 38, no. 7, p. 497.

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- Womble, P.J.*, and *Wampler, P.J.*, 2006, Urbanization induced changes to a ravine system and evaluation of land use and infrastructure Sustainability at Grand Valley State University, Allendale, Michigan: Geological Society of America Abstracts with Programs, v. 38, no. 7, p. 231.
- Burkholder, B.K.*, Grant, G.E., Haggerty, R., and *Wampler, P.*, 2006, Potential for gravel augmentation to reduce water temperatures in a gravel-bed river: *Eos (Transactions, American Geophysical Union)* v. 87, p. 52.
- Wampler, P.J.*, and Grant, G., 2005, Geomorphic changes resulting from River Mill Dam operations, Clackamas River, Oregon: Geological Society of America Abstracts with Programs, v. 37, no. 5, p. 82.
- Grant, G.E., *Wampler, P.J.*, O'Conner, J., Lewis, S., 2004, A geological framework for interpreting and predicting the downstream geomorphic response of rivers to dams: 32nd International Geological Congress, Florence, Italy, August 26 Abstract 251-6.
- Grant, G.E., Tague, C., Jefferson, A., *Wampler, P.J.*, 2004, A river runs underneath it: new insights into hydrogeology of the Oregon Cascades and the role of National Forest lands: Geological Society of America Abstracts with Programs, v. 36, no. 5, p. 414.
- Wampler, P.J.*, 2003, Late Quaternary/Holocene strath terraces along the Clackamas River, Oregon: Geological Society of America Abstracts with Programs, v. 35, no. 6, p. 217.
- Enochs, L. G., DeWitt, L., Schutfort, E. G., and *Wampler, P.J.*, 2002, Unraveling the mystery of the Oligocene flora at Sweet Home, Oregon; a field study for K-12 teachers in 98th annual meeting of the Cordilleran Section of the Geological Society of America, Field guide to geologic processes in Cascadia, v. 36, p. 155-166.
- Wampler, P.J.*, 1993, Geology, hydrothermal alteration, and geographic information system analysis of the Zortman Gold Mine, Montana: Integrated Methods in Exploration and Discovery: Conference Program and Extended Abstracts, Denver, CO, p. AB-124-125.

Poster Sessions

- Simonson, S. (Presenter (Poster)), Wampler, P. (Presenter (Poster)), Pontius, A. (Presenter (Poster)), Michael, S. (Presenter (Poster)), 2011 GSA Annual Meeting, "Using total suspended sediment data to evaluate the impacts of storm water diversion to a constructed wetland at Grand Valley State University, Allendale, Michigan," Geological Society of America, Minneapolis Minnesota. (October 9, 2011).
- Mapping the Michigan Natural Storage Gypsum Mine using a Geological Information System (GIS) September 29, 2010 with *Neal Ringerwole and Kent Walters*. Eastern Section AAPG Annual Meeting, Kalamazoo, MI.
- Digital geologic and geomorphic mapping in the GVSU (Allendale) campus ravines, October 31, 2009, with *P. Kenroy, J. Espinosa, J. Barr, K. Crosby, K. Koster, C. Kroskie, B. Matzke, M. Roldan, M. Russo, K. Siemer, M. Slot, K. Walters, J. Weber, A. Westhuis, and C. Williams*. West Michigan Undergraduate Forum, Grand Rapids, MI.
- Seasonal substrate temperature anomalies at Sand Creek, Aman Park, Ottawa County, Michigan, October 20, 2009, with *A.R. DeWitt*. Geological Society of America Annual Meeting, Portland, OR.
- Evaluation of spring flow, bacterial contamination, and distribution of fresh water resources in the vicinity of Verrettes, Haiti, November 1, 2008, with *A. Sisson*. West Michigan Regional Undergraduate Science Research Conference, Kalamazoo, MI.
- Diurnal, rainfall response, and longer period temperature variability in two watersheds in Western Michigan, October 30, 2007, with *S.E. Nagorsen and P.J. Womble*. Geological Society of America Annual Meeting, Denver, CO.
- Urbanization induced changes to a ravine system and evaluation of land use and infrastructure sustainability at Grand Valley State University, Allendale, Michigan, October 23, 2006, with *P.J. Womble*. Geological Society of America Annual Meeting, Philadelphia, PA.
- Geomorphic changes resulting from River Mill Dam Operations, Clackamas River, Oregon, May 20, 2005, with *G. Grant*. Geological Society of America, North-Central Section – 39th Annual Meeting, Minneapolis, MN.
- Late Quaternary/Holocene strath terraces along the Clackamas River, Oregon, October 20, 2003. Geo488/588 Quaternary Stratigraphy, Oregon State University, Corvallis, OR. *INVITED*.
- Mining and reclamation in Oregon, October 9, 2003. Geo 451/551 Environmental Site Planning, Oregon State University, Corvallis, OR. *INVITED*.
- Updates of ongoing research, 2000-2003. Clackamas River Federal Energy Regulatory Commission (FERC) Clackamas Fish and Aquatics Geomorphology Subgroup, Portland, OR.
- Rock music, bed load samplers, and painted pebbles, May 2, 2003. Geomorphology Brown Bag Seminar, Oregon State University, Corvallis, OR.
- Geomorphic analysis of the Clackamas River below River Mill Dam, Estacada, Oregon, October 16, 2002. American Institute of Hydrology, 2002 Annual Fall Conference, Portland, OR.
- Geomorphic study of the downstream effects of River Mill Dam on the Clackamas River, February 20, 2002. Portland Metro Regional Government, Portland, OR.

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Presentations

- Sisson, A. (Presenter & Author), Wampler, P. (Author Only), Rediske, R. (Author Only), Campus Sustainability Week, "Long-term Field Performance of the Biosand Point of Use Water Filtration System in Haiti," Grand Valley State University, Allendale, MI. (October 21, 2011).
- Wampler, P. (Presenter & Author), Andrew, S. J. (Author Only), 2011 GSA Annual Meeting, "Pathogen pathways, contamination, and sustainable water resource solutions for Haiti," Geological Society of America, Minneapolis Minnesota. (October 12, 2011).
- Molla, A. (Presenter & Author), Wampler, P. (Author Only), Rediske, R. (Author Only), Central states Anthropological Society Meeting, "Ethnoscience analysis to assess drinking water quality in Bangladesh," American Anthropological Association, Iowa City, Iowa. (April 9, 2011).
- Sisson, A. (Presenter & Author), Wampler, P. (Author Only), Rediske, R. (Author Only), 7th Annual Thirsting to Serve Conference, "Long-term Field Performance of the Biosand Point of Use Water Filtration System in the Artibonite Valley, Haiti," Rotary International, Grand Rapids, MI. (March 2011).
- Wampler, P. (Presenter Only), Conference on the Americas, "Sustainable Clean Water for Haiti," Latin American Studies Department, Grand Rapids. (November 5, 2010).
- Groundwater resources and contamination in rural Haiti, October 21, 2009, *with A. Sisson*. Geological Society of America Annual Meeting, Portland, OR.
- Evaluation of spring flow, bacterial contamination, and distribution of fresh water resources in the vicinity of Verrettes, Haiti, February 24, 2009, *with A. Sisson*. National Groundwater Association, Safety Harbor, FL.
- Can gravel augmentation cool a large, gravel-bed river?, October 18, 2009, *with B.K. Burkholder, G. Grant, R. Haggerty, and T. Khangaonkar*. Geological Society of America Abstracts with Programs, Portland, OR.
- Stream temperature variability in two streams in Western Michigan, March 7, 2008, *with S.E. Nagorsen, P.J. Womble, and P.E. Riemersma*, Michigan Academy of Science, Arts and Letters Annual Meeting, Western Michigan University, Kalamazoo, MI.
- Data collection and temperature anomalies at Sand Creek, August 27, 2008, Sand Creek Watershed Council, Allendale, MI. *INVITED*.
- GVSU storm water runoff, ravines erosion, and sustainability, October 3, 2008, Facilities Planning Department, Grand Valley State University, Allendale, MI. *INVITED*.
- Coarse sediment management strategies for the Clackamas River below River Mill Dam: Benefits, challenges, and tradeoffs, December 10, 2007, *with G. Hales, S. McBain, and G. Grant*. Clackamas River CWA Technical Team Meeting, Portland, OR.
- Why the Grand River is not so grand – what we can do about it, October 23, 2007, Grand Rapids Lions Club, Grand Rapids, MI.
- Presentation of 2006 ravine research to the new assembled Ad-Hoc Storm Water Group, October 20, 2006. Facilities Planning Department, Grand Valley State University, Allendale, MI. *INVITED*.
- Urbanization induced changes to a ravine system and evaluation of land use and infrastructure sustainability at Grand Valley State University, Allendale, MI, March 9, 2007, *with P.J. Womble, and T.R. LaCross*. Michigan Academy of Sciences, Arts, & Letters Annual Meeting, Kalamazoo, MI.
- Robinson township recreation plan, January 16, 2006, *with L. Cotter*. Robinson Township Board Meeting, Robinson, MI.
- Report on summer 2006 ravine research, October 4, 2006, *with P. Womble and T. LaCross*. Facilities Planning Department, Grand Valley State University, Allendale, MI.
- A meander cutoff into a gravel extraction pond, Clackamas River, Oregon, March 22, 2006, *with E.F. Schnitzer, D. Cramer, C. Lidstone*. Society of Mining Engineers, St. Louis, MO.
- Human impacts to river systems – feeding hungry rivers, November 14, 2005. Fall Seminar Series, Western Michigan University, Kalamazoo, MI. *INVITED*.
- Lower Clackamas River coarse sediment management plan, December 16, 2004, *with S. McBain*. Clackamas River Project Relicensing SWG Fish and Aquatics Subgroup, Portland, OR. *INVITED*.
- Gravel augmentation, November 10, 2004. *Geo320* Geomorphology, Grand Valley State University, Allendale, MI.
- Gravel augmentation in the Lower Clackamas River, October 21, 2004. Clackamas River Project Relicensing SWG Fish and Aquatics Subgroup, Portland, OR. *INVITED*.
- Coarse sediment management plan for the lower Clackamas River, October 21, 2004, *with S. McBain*. Clackamas River Project Relicensing SWG Fish and Aquatics Subgroup, Portland, OR. *INVITED*.
- Rock music and river disturbance at the end of the Oregon Trail, June 12, 2004. Annis Water Resources Institute, Muskegon, MI. *INVITED*.
- Geologic overview of the Clackamas Basin, geomorphic response of rivers to dams, March 12, 2003. Gen. Tech. Rep. PNW-GTR-601, U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, University of Nevada, Reno, NV. (www.fsl.orst.edu/geowater/morphology/indexeis.html). *INVITED*.

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Moderated group exercises for The geomorphic response of rivers to dams: a short course, March 12-13, 2004. Gen. Tech. Rep. PNW-GTR-601, U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, University of Nevada, Reno, NV. *INVITED*.

Gravel augmentation below River Mill Dam, lower Clackamas River: how to make a bed, feed a hungry river, and listen to rock music, November 14, 2003. Geomorphology Brown Bag Seminar, Oregon State University, Corvallis, OR.

Geomorphology of the Clackamas River, October 28, 2003. Oregon Wildlife Heritage Foundation. *INVITED*.

Late Quaternary/Holocene strath terraces along the Clackamas River, Oregon, November 3, 2003. Geological Society of America Annual Meeting, Seattle, WA.

Best management practices workshops, 1997-2000. Oregon Department of Mining and Mineral Industry, multiple workshops in southwestern Oregon.

Floodplain mining – It's not all pits and pebbles, January 21, 2000. Winter seminar series, University of Oregon, Eugene, OR. *INVITED*.

Floodplain mining – It's not all pits and pebbles, January 5, 2000. Hydrophiles (American Water Resources Association and American Institute of Hydrology, Student Chapters), Oregon State University, Corvallis, OR.

Mining and reclamation in Oregon, May 12, 1999. Geo306 Earth Resources, Oregon State University, Corvallis, OR. *INVITED*.

Floodplain aggregate mining in western Oregon, April 12, 1999. Pacific Northwest Minerals and Mining Conference, Portland, OR.

Floodplain mining, March 1-3, 1999, with *E.F. Schnitzer*. Mining in a new era, Society of Mining Engineers, Denver, CO.

Workshops and Field Trips *(partial list of recent trips)*

Campus Sustainability Week, Grand Valley State University, Allendale, MI, "Tour of Stormwater and Wetlands", Non-Academic, West Michigan, Invited. (October 21, 2011).

Family Weekend, Student Life, Allendale, MI, "Ravine and wetland tour", Non-Academic, West Michigan, Invited. (October 1, 2011).

Groundswell Meeting, Groundswell, Allendale, MI, "GVSU Stormwater Monitoring", Academic, West Michigan, Invited. (September 27, 2011).

"GVSU best management practices for storm water", Campus tour of storm water best management practices with Michelle Story and Dana Stroup from the Department of Natural Resources (DNR). October 25, 2010

"GVSU storm water footprint tour," Led about 20 West Michigan Environmental Academy students on a tour of the GVSU ravines, November 18, 2009.

"Third annual Department of Geology Grand Valley State University student-faculty field trip - The Cascadia kan kan," Trip for GVSU students prior to Portland Geological Society of America Annual Meeting, October 16-18, 2009.

"GVSU ravines erosion and runoff", co-led with Patty Videtich for Field Research in Earth Science Happenings (FRESH), August, 2009.

"Tour of Storm Water Best Management Practices at GVSU," Field trip and presentation for Campus Sustainability Week, October 24, 2009.

"GVSU Storm Water Runoff, Ravines Erosion, and Sustainability MESTA field trip," Field trip for the 41st annual conference of the Michigan Earth Science Teachers Association (MESTA), October 3, 2008.

Books *(* indicates refereed chapter)*

*Wampler, P.J., 2003, Minerals and Mining, in Jackson, P. and Kimerling, A.J., eds., Atlas of the Pacific Northwest, 9th Edition: Corvallis: Oregon State University Press, p. 160.

Professional Organizations

Registered Geologist in Oregon

Geologic Society of America

Michigan Academy of Science

National Association of Geoscience Teachers

Newsletter editor, 2001-2004, National Association of Geoscience Teachers, Pacific Northwest Section.

Co-chair, "Innovations in earth science education: Dorothy LaLonde Stout Memorial Session", National Association of Geoscience Teachers: Geological Society of America, Cordilleran Section, 98th annual meeting, May 13, 2002. Corvallis, OR.

http://gsa.confex.com/gsa/2002CD/finalprogram/session_2004.htm.

Reviews/ Technical Advising

Peter Wampler

Pearson Education, Exploring Geology, 2009, Physical geology course survey and textbook evaluation.

Eldon, D., 2002, Lyrical Earth Science, Lyrical Learning, Inc. v. 1, 116 p., technical editor

(<http://www.singlearn.com/cgi-bin/ccp5/cp-app.cgi?pg=prod&ref=earthscience&cat>).

Grants

Grand Valley State University, Allendale, Michigan

- 2012 Wampler, P. (Co-Principal), Rediske, R. (Co-Principal), Molla, A. (Co-Principal), "Interdisciplinary Assessment of Water Resources and Water Quality Interventions in Haiti," \$9,999.00. (April 1, 2012 - March 31, 2013).
- 2012 Wampler, P., "Water Quality and Runoff Dynamics in Constructed Wetlands at GVSU," Sponsored by GVSU facilities, Grand Valley State University, \$33,479.00. (May 1, 2012 - December 31, 2012).
- 2012 FTLC Teaching with Technology Grant. Bacterial Testing Technology for Water Sampling, \$3,000.
- 2011 CSCE dissemination Grant, \$500.
- 2011 Rediske, R. (Co-Principal), Molla, A. (Principal), Wampler, P. (Co-Principal), "Anthropology and Transdisciplinary Methods for Assessing Sustainable Water Resources in Haiti," Sponsored by National Science Foundation, Federal, \$262,000.00 (**Not Funded**).
- 2010 National Science Foundation Grant submitted with Dr. Azizur Molla (anthropology) and Dr. Richard Rediske (AWRI) entitled "Category 1: Transdisciplinary assessment of sustainable water resources in Haiti and Bangladesh". \$149,916 (**Not Funded**).
- 2010 Collaboration with facilities and FTCH to submit a grant to the Environmental Protection Agency (EPA) Great Lakes Restoration Initiative entitled "GVSU - 80-acre Wetland-Based Hydrologic Restoration Project" (EPAGLNPO-2010-NS-8-650-847). \$500,000 (**Not Funded**).
- 2010 Center for Scholarly and Creative Excellence Research Grant entitled "Tracer Gravel Dispersion and Transport in a Regulated River". \$3,000
- 2010 Scholarly Travel FTLC, presenting at the GSA in Denver, Colorado with a student, \$400
- 2010 Scholarly Travel Grant-in-Aid, presenting at the GSA in Denver, Colorado with a student.
- 2009 Scholarly Travel FTLC, presenting at the GSA in Portland, Oregon with a student. \$400
- 2009 Scholarly Travel Grant-in-Aid, presenting at the GSA in Portland, Oregon with a student. \$500
- 2009 Scholarly Travel FTLC, presenting Haiti research in Safety Harbor, Florida. \$400
- 2009 Scholarly Travel Grant-in-Aid, presenting Haiti research in Safety Harbor, Florida. \$500
- 2008 Student Summer Scholar with Andrew Sisson. \$6,000
- 2008 Funding from Facilities to install 3 new web-based water quality monitoring probes at the rain garden adjacent to the Turf Building. ~\$15,000
- 2008 Padnos International Grant for Haiti water research. \$600
- 2007 Research and Development Grant "Mapping of Fluvial Terraces on the Lower Salmon River, Idaho". \$3,000
- 2007 PEW Technology Grant to install internet connections and purchase digital scales for Padnos 128. \$3,000
- 2007 Intercultural Studies Faculty Development Grant "Environmental impacts and potential student projects in Haiti". \$1,500
- 2006 GVSU Facilities Grant to install storm water runoff and water quality monitoring at GVSU. \$53,682
- 2006 Student Summer Scholar with Patrick Womble. \$6,000
- 2006 PEW Technology Grant to install water monitoring at GVSU. \$2,670
- 2006 Robinson Township, Grant for recreation plan assistance. \$2,000
- 2005 Fluvial research lab, Padnos basement, Room L

Oregon State University, Corvallis, Oregon

- 2003-2004 Gravel Augmentation Pilot Project, Portland General Electric. ~\$15,000
- 2001-2003 PhD; research grant, Portland General Electric. \$216,969
Interim progress report, geomorphic changes resulting from River Mill Dam operations, Portland General Electric Company, 2003.
Research advisor: Dr. Gordon Grant
- 2000-2001 Tuabenick Fellowship, Geosciences Department. \$1,500
- 1990-1994 MS; research grant, Pegasus Gold Corporation. \$33,600
Geology, hydrothermal alteration, and geographic information system analysis of the Zortman Mine area, Montana, 1994.
Research advisor: Dr. John Dilles

Western Washington University, Bellingham, Washington

- 1986-1988 BSc, research grant, Geology Department.
A fluid inclusion and alteration study of the Spruce Claim breccia pipes, Central Cascades, Washington, 1988.
Research advisor: Dr. Jontek Wodzicki

Peter Wampler

Awards

2009 Nominated for Teaching with Technology Award, Grand Valley State University, Allendale, MI

2000-2001 Outstanding Graduate Teaching Assistant Award, Oregon State University, Corvallis, OR

1999 Outstanding Part-time Instructor Award, Linn-Benton Community College, Corvallis, OR

1998 Oregon Department of Geology Incentive Award, Albany, OR