



W. Richard Laton, Ph.D., PG, CPG

Senior Consultant

(714) 278-7514

wlaton@earthconsultants.com

Dr. Laton is an expert in the field of hydrology/hydrogeology. He is currently an Associate Professor of Hydrogeology in the Department of Geological Sciences, California State University, Fullerton. This is a continuation of a career that includes years of teaching, consulting, litigation support and management experience. Dr. Laton possesses extensive knowledge in the areas of hydrogeology, field hydrology, wetlands, coastal monitoring/geomorphology, field and sampling techniques and environmental remote sensing/GIS. His classes at the university cover a variety of topics, including: water quality, environmental sampling, groundwater modeling, oceanography, and basic geology. He enjoys introducing students to applied research and acts as the faculty advisor to a large number of upper-level students. He has also acted as a consultant for a variety of companies and agencies that need input on the above subjects, as well as natural hazard assessment and mapping.

More recently, Dr. Laton led Earth Consultants International's natural hazards mapping project for Riverside County. In that capacity, he supervised the GIS-based effort to assemble and synthesize the natural hazards of concern to the area, including seismic, flood, fire, landslide, liquefaction, faulting, and dam inundation.

EDUCATION

- Ph.D. (1997), Geology with an emphasis in Hydrogeology, Western Michigan University
Groundwater - Kalamazoo River Interaction near the Parchment City Well Field, Parchment, Michigan.
- M.S. (1992), Environmental Earth Science (Coastal Geomorphology), Western Michigan University
Small-Scale Coastal Cells as Control Mechanisms on Sediment Movement; Identification and Mapping.
- B.S. (1989), Earth Science (Oceanography), Saint Cloud State University, Minnesota
Density Flow Analysis of Turbidity Currents.

PROFESSIONAL REGISTRATIONS

California Professional Geologist	(PG-7098)
Arizona Professional Geologist	(PG-42253)
Indiana Professional Geologist	(LPG-2191)
Minnesota Professional Geologist	(PG-44868)
Oregon Professional Geologist	(G2153)
Texas Professional Geologist	(PG-10018)
Washington Professional Geologist (Illinois and Florida pending)	(PG-2517)
AIPG-Certified Professional Geologist	(CPG-10544)

HONORS AND SPECIAL QUALIFICATIONS

- Association of Ground Water Scientists and Engineers (a Division of NGWA) Vice-Chair, 2008-2010

- Association of Ground Water Scientists and Engineers (a Division of NGWA) Board Member, 2004-2008
- National Water Research Institute; Orange County Groundwater Monitoring Review Council; 2006 -
- NGWA Council for Planning, 2006 -
- Long Valley Hydrologic Advisory Committee, 2003 -

PROFESSIONAL AFFILIATIONS

- American Geophysical Union
- American Society for Photogrammetry and Remote Sensing
- ASTM Society
- California Hydrological Society
- Groundwater Resources Association of California
- Floodplain Management Association
- National Ground Water Association
- Society of Wetland Scientists

SELECTED PROJECT EXPERIENCE

Staff Consultant, Safety Elements for the Cities of Pasadena, Glendale, Newport Beach, Fontana, Brea, and Rancho Santa Margarita, California, 2002. Conducted analyses of flooding potential and hazardous waste contamination potential for the cities listed above. This required a background review of surface water management specific to each area, and flood mapping in urban and non-urban areas. The flood mapping efforts included review of FEMA's 100-year and 500-year flood zones, and dam failure inundation and assessment. For some cities, Dr. Laton also reviewed the location of above ground water tanks relative to assess the inundation risk that these structures may pose on populated areas. Vulnerability assessments were made for each hazard identified to categorize mitigation priorities. The hazardous waste mapping portion included an extensive document search for existing contaminated sites and sites that have the potential to cause accidental, non-authorized leaks of contaminants, with the potential to impact the surrounding environment and community. Dr. Laton developed a series of HAZUS earthquake scenarios for the cities and their spheres of influence. Finally, Dr. Laton oversaw the natural hazard GIS mapping and database development for each city.

GIS Manager for the Safety Element of the General Plan, Riverside County, California, 1999. In conformance with California State Law, the County of Riverside prepared a new Safety Element of their General Plan. Earth Consultants International developed the Safety Element by combining the Safety and Seismic Safety Elements into one comprehensive document, in accordance with State Government Section 65302(g). This Section, adopted in 1986, requires each local government to maintain a Safety Element that addresses a variety of natural and man-made hazards, and that contains goals and policies aimed at reducing the risk associated with these hazards. Dr. Laton oversaw the development of the county-wide GIS database and the development of new hazard maps.

Project Manager for the San Gabriel River Watershed - GPS and Observational Report on the San Gabriel River from the Whittier Narrows region to Seal Beach, California, 2000. Conducted a field investigation of the outfalls along the San Gabriel River from the Whittier Narrows Dam to Seal Beach to verify the location of non-stormwater point source discharge

outfalls. Obtained GPS locations for existing and past point-source non-stormwater discharge monitoring sites. Verified the location of 10% of the industrial stormwater dischargers currently in the RWQCB database. Transferred all previously collected data into a GIS database format.

Project Manager for a Groundwater Study of Trancas Canyon, Malibu, California for the purpose of determining the feasibility of discharging wastewater onsite, 2001-2002. The site, located north of downtown Malibu, is to be developed into a thirteen home residential community. As a condition of approval, the City requires that these lots be on septic systems, provided that doing so will not impact the adjacent properties, located between the site and the beach. To evaluate the feasibility of discharging wastewater at the site, Dr. Laton installed and monitored several groundwater-monitoring wells in the area. The data collected were used to construct a geologic and water budget model that estimates the impact that the wastewater will have, over time, on the regional groundwater table.

Project Manager for a Groundwater Modeling Project of the Taylor Railroad Yard Area, Los Angeles, California, 2001. Used MODFLOW to establish a baseline groundwater flow model of the subject site. The model was used to determine the interaction between the Los Angeles River and the associated local aquifer. The data are being used to evaluate future land uses for the property.

Project Manager of a Study on Sediment Quality and Depositional Environment of San Elijo Lagoon in San Diego County, California, 2001. The purpose of this project was to characterize the quality of the surficial sediments and the depositional environment of San Elijo Lagoon. Many of the restoration and enhancement projects that are suggested in the San Elijo Enhancement Plan (County of San Diego Department of Parks and Recreation, 1996) and described in the San Elijo Lagoon Action Plan (Gibson and Thum, 1998) are dependent on future deepening, widening, and extension of the existing channel system within the lagoon. The project used GIS to quantify the special relationships of the sediment type and thickness properties that will be used to model and evaluate the impacts that the proposed modifications may pose to the lagoon and surrounding areas, in compliance with the CEQA.

Staff Consultant, Feasibility Investigation to Review Mitigation Options for Active Crude Oil Seeps (tar) and Methane Generation at the Brea-Olinda Oil and Stearns Oil Fields in Brea, California, 1999. The purpose of these studies was to provide the land developers with preliminary remediation and/or planning alternatives for development within sites heavily impacted by naturally occurring surface oil seeps. The projects focused on mapping the limits of the naturally occurring tar deposits, and identifying the structural and geologic conditions that allow the oil seeps to develop. At the Brea-Olinda oil field, the volume of methane being produced was investigated with three gas collection boreholes. Several preliminary mitigation measures were outlined. At the Stearns oil field, the study focused on the mechanisms of oil and methane seepage and evaluated the impacts that steam/water injection could have on the future development of the site.

Project Manager, Groundwater and Methane Migration Investigation at the Playa Vista Property, Los Angeles, California, 2000-2001. Directed and conducted field exploration of methane within the groundwater and subsurface soils at the site. Oversaw the development of a GIS database for the site that compiles about 30 years worth of geologic and hydrogeologic

data that have been developed at and for the property. Helped develop a model for methane migration and geologic history of the site.

Project Manager, Geologic, Seismic and Hydrologic Sections of the Environmental Impact Report for the Proposed Sully-Miller Fieldstone Project, in the City of Orange, California, 2003. We described the potential geotechnical and environmental constraints anticipated to affect the proposed land development, and provide alternative mitigation measures for the potentially adverse impacts identified.

Staff Consultant/Hydrogeologist for a Groundwater Study of Winter Canyon, Malibu, California, to Determine the Feasibility of Using the Canyon for Wastewater Disposal, 1999-present. The site, located east of downtown Malibu is being used for wastewater disposal. The purpose of the study was to evaluate the canyon watershed to evaluate the impacts, if any, that increasing wastewater discharge at the site would have on the site and adjacent properties. Several groundwater-monitoring wells were installed and monitored. The data were used in a Modflow computer model of the canyon that allowed us to analyze the existing and proposed groundwater conditions for the site.

Staff Consultant and Manager, Groundwater study of a 200-acre site in Support of the Proposed Malibu Civic Center EIR in Malibu, California, 2001-present. The project area is impacted by severe constraints, including potential surface fault rupture associated with the Malibu Coastal fault, earthquake-induced liquefaction as a result of the shallow groundwater at the site, and wastewater disposal issues. Dr. Laton evaluated the groundwater conditions at the site. Data were collected from four borings drilled at various locations on the property, and six monitoring wells that were installed for this purpose. Geologic cross-sections of the site were prepared using the stratigraphic data obtained from the borings. The data collected allowed Dr. Laton to document and map the groundwater gradients in both the shallow and deep aquifers underlying the site.

Project Geologist and Manager, Hydrogeological and Geochemical study of the Panelyte Facility, Kalamazoo, Michigan, 1996. Dr. Laton worked with the Michigan Department of Environmental Quality on the Hydrogeological and Geochemical aspects of the Panelyte site. The site was turned over to the City of Kalamazoo as a brownfield site. The study involved the use of geophysics (EM, GPR, and shallow Seismic) and geochemical (soil and water) analysis and comparison for the detection and mapping of possible contaminants and buried objects throughout the facility.

Project Hydrogeologist on a study of a proposed municipal well field property, Ross Township, Michigan, 1996. The study was designed to determine the possible effects of a municipal well field on the surrounding surface water bodies (streams, lakes and wetlands). Over 30 monitoring wells were established in and around three lakes and two streams. Then a 30-day pump test was conducted to establish the connection, if any, between the subsurface and surface water bodies. To further establish a connection between water bodies, extensive geochemical testing was conducted over the course of the pumping test.

Project Hydrogeologist and Manager to Study the Effects of Golf Course Construction on Lake Templene, Three Rivers, Michigan, 1993. Dr. Laton, who was retained by the Reid and Reid Law Offices in Kalamazoo, Michigan, evaluated the effects of the construction of a golf

course and adjacent buildings on the water quality of Lake Templene. Extensive review of construction plans and environmental impact reports was done to evaluate the possible impact on Lake Templene by the proposed project.

Project Hydrogeologist and Manager for the City of Portage on an Aeration Pilot project on Austin Lake, Portage, Michigan, 1993. Designed and coordinated the work on an aeration pilot project on Austin Lake. This project involved bottom sediment and water sampling, coring and profiling. Throughout the pilot program, water samples were collected and analyzed to evaluate the chemical changes brought about by the aeration project. The success of the entire project was extrapolated from the results of the pilot program. Dr. Laton prepared and presented to the City of Portage, Michigan an independent report on the anticipated success of the project.

Staff Geologist/Hydrogeologist for a Study of Wetland Impacts Resulting from Dam Construction in Atlanta, Georgia, 1991-1992. Dr. Laton, who was retained as a consultant by Sutherland, Asbill & Brennan, addressed a wetland problem within one of Mobil Land Development Companies major developments. The study included wetland hydrology, soil monitoring and aerial photographic interpretation. A historical wetlands map was produced to compare with present day wetlands as determined through a delineation conducted for this project.

Project Hydrogeologist, Various Coastal Erosion Study Projects, 1993. Retained by Littoral et Patrimoine for projects in France and India. Evaluated coastal erosion and provided possible solutions to ongoing erosion problems.

PROFESSIONAL PUBLICATIONS, ABSTRACTS, PRESENTATIONS and POSTERS

Peer-Reviewed Publications (Published, Accepted, Submitted)

- Laton, W.R., 2006, *Building Groundwater Monitoring Wells on Campus – A Case Study and Primer*: Journal of Geoscience Education, Vol. 54, No. 1, pp. 50-53.
- Laton, W.R., Whitley, R.J., and Hromadka II, T.V., 2006, *A Methodology for Identifying the Potential Source of Groundwater Contamination in a Multiple Source Problem Using a New Mathematical Approach*. Hydrogeology Journal. DOI 10.1007/s10040-006-0106-4
- Laton, W.R., Hromadka II, T.V. and Picciuto J.A., 2006, *Estimating Runoff Quantities for Flow and Volume-based BMP Design*. Hydrological Science and Technology, Volume 22, No.1-4.
- Laton, W.R., 2004. *Seepage, Flow and Chemical Partitioning Between the City of Parchment Wellfield and the Kalamazoo River, Southern Michigan*. Journal of Floodplain Management (Vol. 4, No. 1), pgs 11-32.
- Foster, J.F., Laton, W.R., and Figueroa, O. *Sudden Late Holocene closure of San Elijo Lagoon, northern San Diego County, California*. Environmental and Engineering Geosciences (in review)

Publications in Preparation

- Laton, W.R., and Hromadka II, T.V. *Statistical evaluation of residential overwatering in Southern California*. Submitted to Hydrogeology Journal in fall 2007.
- Laton, W.R., and Robbins, E. *Groundwater And Surface Water Study Taylor Yard And Vicinity, Los Angeles, California*. Resubmitted to Association of Engineering Geologists late 2007.
- Laton, W.R., Foster, J., and Blazevic, M. *Hydrogeological Investigation of a Closed Alluvial Basin: Lucerne Valley, San Bernardino County, California*. Submitted to Hydrogeology Journal in late 2007.

Guidebooks, Full Paper Proceedings and Articles

- Laton, W.R., 2005. The Cutting Edge "Teaching Hydrogeology in the 21st Century". NGWA-AGWSE News and Views. (article September, 2005)
- Jenson, J. and Laton, W.R., 2005. Second Annual Groundwater Summit. NGWA-AGWSE News and Views. (article September, 2005)
- Laton, W.R., 2004. *Building Ground Water Monitoring Wells on Campus: A Case Study and Primer*. NGWA-AGWSE News and Views. Vol. 1, Issue 1.
- D. Bausch, E. Gath, T. Gonzalez, and R. Laton, 2000. *GIS-Based Hazard Mapping and Loss Estimation in the Safety Element of the General Plan for Riverside County, California*. California: EERI 6th International Conference on Seismic Zonation, Riverside County, California.
- Laton, W.R., ¹Perez, R., and Bausch, D., 2000. *New Hazard Maps for Riverside County, California*. San Diego Association of Geologists annual field trip guidebook.
- Laton, W.R., 1992. *Small-Scale Coastal Cells as Control Mechanisms on Sediment Movement; Identification and Mapping*. OCEANS '92, Newport, Rhode Island.

Abstracts, Presentations and Posters

¹Undergraduate Student, ²Graduate Student, * Presenter

1. Laton, W.R., 2006. *Surface Water and Ground Water: How the Two Interact*. NGWA National Meeting. (Invited - presentation)
2. ¹Cruikshank, M.J., Foster, J.H. and Laton W.R., 2006. *Presence of Deep High Quality Ground Water in El Mirage Valley, San Bernardino County, California*. NGWA Groundwater Summit (abstract/poster)(Outstanding Research Award)
3. ²Surko, T., Armstrong, P.A. and Laton, W.R., 2006. *Gravity Survey of Lucerne Valley Ground Water Basin, Mojave Desert, Southern California: Implications for Basin Geometry and Structure*. NGWA Groundwater Summit (abstract/presentation)
4. ²Barthel, P.S. and Laton, W.R., 2006. *Desert Studies Center: A Hydrogeologic Model and Water Budget*. NGWA Groundwater Summit (abstract/presentation)
5. Laton, W.R., 2005. *Methods to Determine Basin Yield*. GRA Groundwater Resources Series – Basin Yield and Overdraft: Scientific and Legal Perspective. (Invited - presentation)
6. Laton, W.R., 2005. *Borehole Logging from Sample Collection to Borehole Geophysics*. Presented at NSF Workshop on "Teaching Hydrogeology in the 21st Century". (presentation/lab write-up)
7. Laton, W.R., 2005. *Water Budget Analysis – A Story of Two Arid Region Groundwater Basins*. CEA-Crest Symposium on Arid Hydrology. (abstract/presentation)
8. *Laton, W.R., Hromadka, T., Yeager, M., Picciuto, J. and Whitely, B., 2005. *A New Method for Estimating Runoff Quantities for Flow and Volume-based BMP Design*. CASQA Conference. (abstract/presentation)
9. ²Lizzi, A.L., Laton, W.R. and Foster, J., 2005. *Evaluation of the Potential Groundwater Resources of the Golem Well West Rancho Bernardo, San Diego County, California*. NGWA 2005 Groundwater Summit. (abstract/poster)
10. ²Boeke, B., Laton, W.R. and Foster, J., 2005. *Groundwater Potential for Harper Dry Lake: Implications for Ground Water Availability in Harper Valley, San Bernardino County, California*. NGWA 2005 Groundwater Summit. (abstract/poster)
11. ²Kolstad, K. and Laton, W.R., 2005. *Hydrocarbon Soil Vapor: Actual vs Predicted*. NGWA 2005 Groundwater Summit. (abstract/poster)
12. ¹Napoli, N. and Laton, W.R., 2005. *Hydrogeologic Evaluation of a Desert Groundwater Basin; Lucerne Valley, California*. NGWA 2005 Groundwater Summit. (abstract/poster)
13. ²Perez, R. Foster, J. and Laton, W.R., 2005. *The Redefining of a Groundwater Basin, Alto Sub Basin, Southwestern Mojave Desert, California*. NGWA 2005 Groundwater Summit. (abstract/poster)
14. ²Surko, T.L., Armstrong, P. and Laton, W.R., 2005. *Gravity Survey of Lucerne Valley Groundwater Basin, Mojave Desert, Southern California: implications for basin geometry and structure*. NGWA 2005 Groundwater Summit. (abstract/poster)

15. ¹Blazevic, M., ¹Napoli, N., Foster, J. and Laton, W.R., 2004. *Subsurface Geologic Investigation of a closed Alluvial Basin: Lucerne Valley, San Bernardino County, California*. Groundwater Resources Association of California Annual Meeting. (abstract/poster)
16. ¹Napoli, N., ¹Blazevic, M., Laton, W.R. and Foster, J., 2004. *Hydrogeologic Evaluation of a Desert Groundwater Basin; Lucerne Valley, California*. Groundwater Resources Association of California Annual Meeting. (abstract/poster)
17. ²Perez, R., Foster, J. and Laton, W.R., 2004. *Just how deep is it?; Alto Deep Well and its impacts to Alto Groundwater Sub-Basin Geology*. Groundwater Resources Association of California Annual Meeting. (abstract/poster)
18. ²Hunt, S. and ^{*}Laton, W.R., 2004. *Update on Geochemical Analysis of the Central Basin, Los Angeles County, California*. Groundwater Resources Association of California Annual Meeting. (abstract/poster)
19. ²Haj-Manouchehri, D. And Laton, W.R., 2003. *Water Quality in Relation to Watershed Management in the Lower San Gabriel River, Southern California*. WRI conference (abstract/poster)
20. Laton, W.R., 2003. *Lessons Learned; Groundwater Flow Model – Taylor Yard, Los Angeles*. South Coast Geological Society. October 6, 2003. (Invited - presentation)
21. ^{*}Laton, W.R. and ¹Dolmat, J., 2003. *Deep Multiport Research Monitoring Well, CSF-1, Fullerton, CA: Stratigraphy, Lithology and Geologic Setting*. National Ground Water Conference. (abstract/TIPS)
22. ²Figueroa, O. and ^{*}Laton, W.R., 2003. *Ground Water Modeling of a Coastal Aquifer Malibu, California*. National Ground Water Conference. (abstract/TIPS)
23. ²Williams, S. and Laton, W.R., 2003. *Hydrogeologic Investigation of a Shallow Aquifer System Using Long Term Aquifer Tests and Water Level Monitoring, Lower Borrego Canyon Wash, Irvine CA*. National Ground Water Conference. (abstract/TIPS)
24. ²Hasegawa, S. and Laton, W.R., 2003. *Risk Assessment of Point and Non Point Source Pollution on Water Resources along the Santa Ana River*. California Groundwater Conference. (abstract/poster)
25. ¹Dolmat, J. and Laton, W.R., 2003. *Deep Multiport Research Monitoring Well, CSF-1, Fullerton, CA: Stratigraphy, Lithology and Geologic Setting*. California Groundwater Conference. (abstract/poster)
26. ²Williams, S. and Laton, W.R., 2003. *Hydrogeologic Investigation of a Shallow Aquifer System Using Long Term Aquifer Tests and Precipitation Induced Recharge Data Lower Borrego Canyon Wash, Orange County California*. California Groundwater Conference. (abstract/poster)
27. ²Hunt, S. and ^{*}Laton, W.R., 2003. *Geochemical Analysis of the Central Basin, Los Angeles County, California*. California Groundwater Conference. (abstract/poster)
28. Laton, W.R., 2002. *Taylor Yard and Los Angeles River, Preliminary Groundwater and Surface Water Study Groundwater Model of Taylor Yard and Vicinity Los Angeles, California*. NGWA National Meeting. (abstract/poster)
29. ¹Otto Figueroa and ^{*}Laton, W.R., 2002. *Hydrogeologic Characterization and Assessment of Impacts of Wastewater Discharge for Proposed Construction, Trancas Canyon, Malibu, California*. NGWA National Meeting. (abstract/poster)
30. ^{*}Laton, W.R., ²Sean Hunt, and Foster, J., 2002. *The Impact of Groundwater – Surface Water Interaction on Contaminant Distribution, San Elijo Lagoon, California*. NGWA National Meeting. (abstract/poster)
31. Laton, W.R., 2002. – *Taylor Yard and Los Angeles River Preliminary Groundwater and Surface Water Study, Groundwater Model of Taylor Yard and Vicinity, Los Angeles, California*. California Coastal Conservancy. (Invited - presentation)
32. Laton, W.R., 2001. *Distance Calibration of Earth Images - To design and develop a Web delivered lesson showing an Advance in Information Technology that can be used in a Science Learning Environment for In-service Teachers (online lesson plan)*.
33. Laton, W.R., 2001. *The Role of Groundwater in Geologic Hazards*. California Science Academy (CEA-Crest). (abstract/presentation)
34. Laton, W.R., 2001. *Natural Hazards Mapping, Thailand*. Thailand Geological Survey. (presentation)

35. Laton, W.R., 2001. *Subsidence evaluation and assessment, Bangkok, Thailand*. Thailand Geological Survey. (presentation)
36. *Laton, W.R., *¹Perez, R., and *¹Figueroa, O., 2000. *Natural Hazard Mapping – A GIS Approach*. CSUF Geology Department.
37. Laton, W.R., 2000. *Natural Hazards Assessment of Temecula, California*. San Diego Association of Geologists annual field trip. (presentation)
38. *Sauck, W. A., Laton, W.R., ²Seng, D.L., and ²Vandereide, M.A., 2000. *Ground-penetrating radar investigations of nearshore sediments of eastern Lake Michigan*. IAGLR 2000.
39. Laton, W.R., 1999. *Watershed Management and Sampling Protocol*. Korean Ministry of Environment and Environmental Management Corporation short course. (Invited - presentation)
40. Laton, W.R., 1999. *Environmental Sampling – what, when and why*. Port of Los Angeles, Environmental Group. (Invited - presentation)
41. Laton, W.R., 1998. *Single Point Pneumatic Slug Test, Soil Vapor Extraction (SVE) Testing During Initial Site Investigation*. Hazardous Waste Section, SMARTech '98, Raleigh, NC. (abstract/presentation)
42. Laton, W.R., 1998. *SimulProbe® Environmental Core Barrel*. EPA National Site Assessment Conference. Denver, CO. (Invited - presentation)
43. *Marcus, D.L., ²Bonds, C.L. and Laton, W.R., 1997. *Rapid Screening using the SimulProbe Multimedia Sampler - Case Histories and Future Directions*. New England Environmental Exposition. (abstract/presentation)
44. ²Laton, W.R., ²Hascall, A.P., ²Atekewana, E.A., Hampton, D.R., 1996. *Seepage Meter Spatial and Temporal Variability in the Study of Groundwater Interaction With Surface Water Features*. American Geophysical Union, San Francisco, CA. (abstract/presentation)
45. ²Laton, W.R., 1996. *Well Grouting Research*. Michigan Environmental Health Association, Ground Water Conference, Thompsonville, MI. (Invited - presentation)
46. ²Laton, W.R., 1996. *SimulProbe Sampling in Contaminated Areas*. University of Michigan Summer Hydrogeology Field Course, Wortsmith Research Center, MI. (demonstration/presentation)
47. *Barnes, D.A., ²Kovacich, M.S., ²Limez, S., and ²Laton, W.R., 1995. *Error Analysis in Great Lakes Beach Profile Surveying Techniques*. Canadian Coastal Conference, Dartmouth, Nova Scotia. (abstract/presentation)
48. ²Laton, W.R., 1995. *Environmental Uses of Low-Altitude Aerial Photography*. Colloquium on Environmental Earth Science, Western Michigan University, Kalamazoo, MI. (presentation)
49. ²Laton, W.R., 1995. *Environmental Uses of Low-Altitude Aerial Photography*. Hi-Shots International Conference, Saint Louis, Missouri. (Invited - presentation)
50. *Mackey, S.D., Guy, D.E., ²Laton, W.R., and ²Kovacich, M., 1994. *Geologic Framework of an Eroded Lake Erie Coastal Marsh - Metzger Marsh, Ohio*. North-Central Geological Society of America, Kalamazoo, Michigan. (abstract/presentation)
51. *Vincent, R.K., ²Laton, W.R. and ²Sattler, J., 1993. *Detailed Modeling of Solid Waste Landfill Surface Water Run-off from High Resolution Elevation Data Automatically extracted From Stereo Photos Taken by a Camera on a Tethered Balloon Platform*. Association of Engineering Geologists, San Antonio, Texas. (abstract/presentation)
52. ²Laton, W.R., 1993. *Site Characterization and Mapping Utilizing a Tethered Balloon System*. HI-SHOTS International Convention, Saint Louis, Missouri. (Invited - presentation)
53. ²Laton, W.R., 1992. *Coastal Processes and Use of a Blimp*. Shoreline Erosion and Coastal Processes in Berrien County, Lake Michigan College Environmental Center, St. Joseph, Michigan. (abstract/presentation)
54. ²Laton, W.R. and Straw, W.T., 1992. *Small-Scale Coastal Cells; Identification and Mapping*. First Thematic Conference, Remote Sensing for Marine and Coastal Environments, New Orleans, Louisiana. (abstract/poster)
55. ²Laton, W.R., 1991. *Undercurrent Stabilization Anchor Systems at Tawas on Lake Huron and Douglas on Lake Michigan - A One-Year Study*. Michigan Academy of Science, Ypsilanti, Michigan. (abstract/presentation)

Public Reports

- ¹Undergraduate Student, ²Graduate Student
1. Laton, W.R., Foster, J., et. al., 2007. *Oeste Hydrologic Sub-basin Report*. Mojave Water Agency.
 2. Hromadka, II, T.V., Laton, W.R. and ²Perez, R., 2006. *Hydrologic Data Report October 17-21, 2004 Storms*. Orange County Flood Control District.
 3. Laton, W.R., Foster, J., et. al., 2007. *Groundwater Atlas of Oeste Hydrologic Sub-basin*. Mojave Water Agency.
 4. Laton, W.R., Foster, J., ²Ebbs, V., ²Blazevic, M., and ¹Napoli, N., 2007. *Harper Lake Hydrologic Sub-basin Report*. Mojave Water Agency.
 5. Laton, W.R., ¹Napoli, N., and Eckhart, L., 2006. *Flow between Basins –Baja Hydrologic Sub-Basin to Afton Canyon Report*. Mojave Water Agency.
 6. Laton, W.R., ²Napoli, N., and Eckhart, L., 2006. *Flow between Basins – Este to Alto Hydrologic Sub-Basins Report*. Mojave Water Agency.
 7. Laton, W.R., ²Napoli, N., and Eckhart, L., 2006. *Flow between Basins – Oeste to Alto Hydrologic Sub-Basins Report*. Mojave Water Agency.
 8. Laton, W.R., ²Napoli, N., and Eckhart, L., 2006. *Flow between Basins –Alto to Centro Hydrologic Sub-Basins Report*. Mojave Water Agency.
 9. Laton, W.R., ¹Napoli, N., and Eckhart, L., 2006. *Flow between Basins – Centro to Baja Hydrologic Sub-Basins Report*. Mojave Water Agency.
 10. Hromadka, II, T.V., Laton, W.R., and Picciuto, J.A., 2005. *Estimating Runoff Quantities for Flow and Volume-based BMP Design*. San Bernardino County Flood Control District.
 11. Laton, W.R., Foster, J., et al., 2004. *Este Hydrologic Sub-basin Report*. Mojave Water Agency.
 12. Laton, W.R., Foster, J., et al., 2004. *Groundwater Atlas of Este Hydrologic Sub-basin*. Mojave Water Agency.
 13. Laton, W.R., et al., 2004. *San Gabriel River Watershed Atlas*. Friends of the San Gabriel River.
 14. Laton, W.R., et al., 2004. *San Gabriel River Watershed QAPP and Sampling Manual*. Friends of the San Gabriel River.
 15. Laton, W.R., ²Kendall, D. and ²Lizzy, A., 2004. *Drilling Methods and Materials*. On-line course material for NGWA. (in review)
 16. ¹Blazevic, M. and Laton, W.R., 2004. *Mojave River Stream Gauging*. Mojave Water Agency
 17. Laton, W.R., 2002. *Taylor Yard and Los Angeles River Preliminary Groundwater and Surface Water Study, Groundwater Model of Taylor Yard and Vicinity, Los Angeles, California*. California Coastal Conservancy.
 18. Laton, W.R. and Foster, J., 2001. *Sediment Quality and Depositional Environment Of San Elijo Lagoon, San Diego County, California*. San Elijo Nature Conservancy and Fish and Wildlife Service.
 19. Laton, W.R. and Foster, J., 2001. *Santa Clara River Watershed Inventory*. Los Angeles Regional Water Quality Control Board.
 20. Laton, W.R. and Foster, J., 2000. *The San Gabriel River Watershed GPS and Observational Report on the San Gabriel River from the Whittier Narrows region to Seal Beach*. Los Angeles Regional Water Quality Control Board.
 21. Straw, W.T., ²Hascall, A.P., ²Laton, W.R., and ¹Dalman, M., 1997. *Groundwater - Surface Water Interaction Study in Ross Township*. City of Kalamazoo, Michigan.
 22. Straw, W.T. and ²Laton, W.R., 1993. *WMU Austin Lake Aeration Feasibility Study Evaluation*. City of Portage, Portage, Michigan.
 23. Straw, W.T., ²Wardwell, D.A. and ²Laton, W.R., 1992. *An Evaluation of Undercurrent Stabilization Anchor System Installation at Douglas and Tawas City, Michigan*. Michigan Department of Natural Resources.