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Utah Water Research Laboratory Publications Listing 1993-1996

David S. Bowles
Leaunda S. Hemphill

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UTAH WATER RESEARCH LABORATORY

College of Engineering
Utah State University
Logan, Utah
UTAH WATER RESEARCH LABORATORY

PUBLICATIONS LISTING

1993-1996

Compiled by

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David S. Bowles, Director
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June 1996
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Environmental Division
Journal Article


Theses


V.B. Epuri (In preparation). *Vegetation enhanced biodegradation of hexachlorobiphenyl and benzo(a)pyrene*. Master’s thesis. Department of Civil and Environmental Engineering, Utah State University, Logan, UT.


M.F. Roginske (1995). *Nutrient and chemical oxygen demand removal in the vadose zone following the land application of cheese whey*. Master’s thesis. Department of Civil and Environmental Engineering, Utah State University, Logan, UT.


Conference Proceedings


Thesis

I. Hamud (In preparation). *Effects of freeze-thaw on the permeability of clay cap material used at the Salt Lake County Municipal Landfill facility.* Master’s thesis. Department of Biological and Irrigation Engineering, Utah State University, Logan, UT.
Journal Articles


M.J. McFarland and X. Qiu (Accepted for publication). Composting of benzo(a)pyrene contaminated soil by the white rot fungus *Phanerochaete chrysosporium*. *Journal of Hazardous Wastes*.


Hazardous and Toxic Waste Management

Books/Book Chapters


Theses/Dissertations


**Conference Proceedings/Presentations**


R.R. Dupont and W.J. Doucette (1995). *Composition and leaching potential of hydrocarbon and chlorinated solvent contaminants from product recovered from the Burlington northern site,*
Livingston, Montana. Presented at the project completion briefing, State of Montana, Department of Environmental Quality, Helena, MT, July.


**Reports**


R.R. Dupont (1994-1995). *Surface emission study in support of the investigation of Building 280 fuel storage lot for application of low intensity bioreclamation*. Final report submitted to Battelle Memorial Institute, Columbus, OH.


Hazardous and Toxic Waste Management


R.R. Dupont (1994). *Surface emission study in support of the investigation of Building 280 Fuel Storage Lot for application of low intensity bioreclamation*. Final Report, Submitted to Battelle Memorial Institute, Columbus, OH.


B.L. Hall (1995). *Quality assurance plan for Layton site air-sparging and in-well aeration project*. Utah Water Research Laboratory, Utah State University, Logan, UT.
B.L. Hall (1995). *Sampling plan for Layton site air sparging and in-well aeration project*. Utah Water Research Laboratory, Utah State University, Logan, UT.


**Other Publications**

Journal Articles


Thesis/Dissertations


Conference Proceedings/Presentations


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Reports


T.B. Hardy (1993). Evaluation of instream flows for the protection of the Comal River ecosystem. Utah Water Research Laboratory, Utah State University, Logan, UT.

Other Publications


Journals


Conference Proceedings/Presentations


Water Information and Education
Reports


Other Publications


G.G. Smith (1994). *Utah Calendar*. Utah Water Research Laboratory, Utah State University, Logan, UT.


Water Division
Journal Articles


G.E. Urroz and R. Ettema (Accepted for publication). Small-scale experiments on ice-jam initiation in a curved channel. *Canadian Journal of Civil Engineering.*


Books/Book Chapters

R.W. Jeppson (In press). *Open channel flow utilizing computers.* (Translated into French by Ahmed Oulhaj.)


Theses/Dissertations


Reports


Conference Proceedings/Presentations


Other Publications


Journals


C.-M. Chang and M.W. Kemblowski (Accepted for publication). Nonreactive solute transport in soils with fractal permeability distribution. *Stochastic Hydrology and Hydraulics.*


G.S. Cooper, R.C. Peralta, and J.J. Kaluarachchi (In review). Optimizing separate phase light hydrocarbon recovery from contaminated unconfined aquifers. *Water Resources Research.*


M. Musa and M.W. Kemblowski (Accepted for publication). Effective capture zone for a single well. *Ground Water*.


G.E. Urroz, Y. Ma, and M.W. Kemblowski (Accepted for publication). Advective and dispersive kinematic mixing in stratified formations. *Transport in Porous Media*.

**Books/Book Chapter**


**Theses/Dissertations**


**Reports**


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Other Publications

Journals


B. Rajagopalan and U. Lall (Submitted). A nearest neighbor bootstrap for resampling daily precipitation and other weather variables. *Journal of Applied Meteorology*.


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**Books/Book Chapters**


**Theses/Dissertations**


Utah Water Research Laboratory

Reports


D.S. Bowles, L.R. Anderson, E.F. Jayyousi, and D.N. Vangipuram (1994). Flood inundation study for emergency action plans: Logan First Dam and Reservoir and Logan Third Dam and Reservoir, Cache County, UT. Report submitted to Physical Plant, Utah State University, Logan, UT; CH2M Hill Consulting Engineers, Salt Lake City, UT; and City of Logan, Logan, UT, May.


D.S. Bowles and D.N. Vangipuram (1994). Probable maximum flood determination for emergency action plans: Logan First Dam and Reservoir and Logan Third Dam and Reservoir, Cache County, UT. Report submitted to Physical Plant, Utah State University, Logan, UT; CH2M Hill Consulting Engineers, Salt Lake City, UT; and City of Logan, Logan, UT, April.


**Conference Proceedings**


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Journal Articles


Theses/Dissertations


Reports


T.C. Hughes (1994). *Impact of conservation measures on municipal water demand projections using the WFWSDM*. Utah Water Research Laboratory, Utah State University, Logan, UT.


**Conference Proceedings/Presentations**


D.S. Bowles (1994). *Comparison of hazard criteria and socially acceptable risk criteria in dam safety decision-making.* Presented at the Office of Water Reform, Department of Conservation and Natural Resources, Melbourne, Victoria, Australia, October.


**Other Publications**


Research Faculty, Professional and Support Staff
Research Faculty, Professional and Support Staff

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