

Environmental Sciences Division Publications Calendar Year 2005

Books

1. Dale, V.H., *Assessing and Managing the Ecological Impacts of Paved Roads*. 2005, Washington: National Academies Press.
2. Dale, V.H., F.J. Swanson, and C.M. Crisafulli, *Ecological Responses to the 1980 Eruptions of Mount St. Helens*. 2005, New York: Springer.

Book Sections

3. Bisson, P.A., J.A. Lichatowich, W.J. Liss, D. Goodman, C.C. Coutant, L.L. McDonald, D. Lettenmeier, E.J. Loudenslager, and R.N. Williams, *The Federal Approach to Salmon Recovery at the Millennium*, in *Return to the River; Restoring Salmon to the Columbia River*, R.N. Williams, Editor. 2005. p. 601-628.
4. Brooks, S.C., *Analysis of Metal-Chelating Agent Complexes by Capillary Electrophoresis*, in *Biogeochemistry of Chelating Agents*, B. Nowack and J. VanBriesen, Editors. 2005. p. 121-138.
5. Coutant, C.C. and R.R. Whitney, *Hydroelectric Systems and Migration*, in *Return to the River; Restoring Salmon to the Columbia River*, R.N. Williams, Editor. 2005, Elsevier Academic Press: Burlington. p. 249-324.
6. Dale, V.H., S. Brown, M.O. Claderon, A.S. Montoya, and R.E. Martinez, *Projected land-use change for the Eastern Panama Canal Watershed and its potential impact*, in *The Rio Chagres, Panama: A Multidisciplinary Profile of a Tropical Watershed*, R. Harmon, Editor. 2005, Springer: New York.
7. Dale, V.H., D.R. Campbell, W.M. Adams, C.M. Crisafulli, V.I. Dains, P.M. Frenzen, and R.F. Holland, *Plant succession on the Mount St. Helens debris-avalanche deposit*, in *Ecological Responses to the 1980 Eruption of Mount St. Helens*, V.H. Dale, Editor. 2005, Springer: New York. p. 59-73.
8. Dale, V.H., F.J. Swanson, and C.M. Crisafulli, *Disturbance, survival, and succession: Understanding ecological responses to the 1980 eruption of Mount St. Helens*, in *Ecological Responses to the 1980 Eruption of Mount St. Helens*, V.H. Dale, Editor. 2005, Springer: New York. p. 3-11.
9. Dale, V.H., F.J. Swanson, and C.M. Crisafulli, *Ecological perspectives on management of the Mount St. Helens landscape*, in *Ecological Responses to the 1980 Eruption of Mount St. Helens*, V.H. Dale, Editor. 2005, Springer: New York. p. 277-286.
10. DeLucia, E.H., D.J. Moore, J.G. Hamilton, R.B. Thomas, C.J. Springer, and R.J. Norby, *The changing role of forests in the global carbon cycle: responding to elevated carbon dioxide in the atmosphere*, in *Climate Change and Global Food Security*, R. Lal, B.A. Stewart, and N. Uphoff, Editors. 2005, CRC Press: Boca Raton. p. 179-214.

11. Gustin, M.S. and S.E. Lindberg, *Terrestrial Hg fluxes: is the net exchange up, down, or neither?*, in *Dynamics of Mercury Pollution on Regional and Global Scales: Atmospheric Processes, Human Health and Policy*, N. Pirrone, Editor. 2005, Springer: New York. p. 241-261.
12. Liss, W.J., J.A. Stanford, J.A. Lichatowich, R.N. Williams, C.C. Coutant, P.R. Mundy, and R.R. Whitney, *A Foundation for Restoration*, in *Return to the River: Restoring Salmon to the Columbia River*, R.N. Williams, Editor. 2005, Elsevier Academic Press: Burlington. p. 51-98.
13. Mayes, M.A., T.L. Mehlhorn, and P.M. Jardine, *Coupled hydrological and geochemical processes influencing the transport of chelated metals in the ORNL vadose zone and groundwater*, in *Biogeochemistry of Chelating Agents*, B. Nowack and J. Van Briesen, Editors. 2005. p. 297-315.
14. Mayes, M.A., M.N. Pace, P.M. Jardine, S.E. Fendorf, N.D. Farrow, X.L. Yin, and J.M. Zachara, *Coupled hydrological and geochemical processes governing the fate and transport of Sr and U in the Hanford vadose zone*, in *Subsurface Contamination Remediation: Accomplishments of the Environmental Management Science Program*, T. Zachry and B. E., Editors. 2005, ACS Symposium Series 904. p. 229-250.
15. Mayes, M.A., X.L. Yin, M.N. Pace, and P.M. Jardine, *Rates and mechanisms of Co(II)EDTA²⁻ interactions with sediments from the Hanford site*, in *Biogeochemistry of Chelating Agents*, B. Nowack and J. Van Briesen, Editors. 2005.
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17. Norby, R.J., L.A. Joyce, and S.D. Wullschlegel, *Modern and future forests in a changing atmosphere*, in *A History of Atmospheric CO₂ and Its Effects on Plants, Animals, and Ecosystems*, J.R. Ehleringer, T.E. Cerling, and M.D. Dearing, Editors. 2005, Springer: New York. p. 394-414.
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21. Stanford, J.A., C.A. Frissel, and C.C. Coutant, *The Status of Habitats*, in *Return to the River: Restoring Salmon to the Columbia River*, R.N. Williams, Editor. 2005, Elsevier Academic Press: Burlington. p. 173-248.

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23. Whitney, R.R., C.C. Coutant, and P.R. Mundy, *Sources of Mortality and Effectiveness of Mitigation*, in *Return to the River: Restoring Salmon to the Columbia River*, R.N. Williams, Editor. 2005, Elsevier Academic Press: Burlington. p. 325-416.
24. Williams, R.N., J.A. Stanford, J.A. Lichatowich, W.J. Liss, C.C. Coutant, W.E. McConnaha, R.R. Whitney, P.R. Mundy, P.A. Bisson, and M.S. Powell, *Conclusions and Strategies for Salmon Restoration in the Columbia River Basin*, in *Return to the River: Restoring Salmon to the Columbia River*, R.N. Williams, Editor. 2005, Elsevier Academic Press: Burlington. p. 629-666.

Conference Papers

25. Palanisamy, G., R.A. McCord, R.C. Ward, B.M. Horwedel, and D.P. Kaiser. *ARM Thumbnail Browser – A new way to browse and order ARM data files*. in *ASPRS 2005, PECORA 16: Global Priorities in Land Remote Sensing Symposium*. 2005. Sioux Falls.
26. Schweitzer, M. and B.E. Tonn. *Painting a Big Picture: Using Activity Counts and Savings Multipliers to Estimate State Energy Program Accomplishments*. in *2005 International Energy Program Evaluation Conference 2005*. New York: National Energy Program Evaluation Conference, Inc.

Journal Articles

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32. Baldocchi, D.D., T.A. Black, P.S. Curtis, E. Falge, J.D. Fuentes, A. Granier, L. Gu, A. Knohl, K. Pilegaard, H.P. Schmid, R. Valentini, K. Wilson, S. Wofsy, L. Xu, and S. Yamamoto, *Predicting the onset of net carbon uptake by deciduous forests with soil temperature and climate data: a synthesis of FLUXNET data*. *Int J Biometeorol*, 2005. **49**(6): p. 377-387.

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