

CRESP II Scholarly Products- Year 5

Updated 2-21-06

CRESP Published Manuscripts

- 1 Burger J. M. Gochfeld. 2005. The Peconic River: Concerns associated with different risk evaluations for fish consumption. *Journal of Environmental Planning and Management* 48(6): 789 - 808.
- 2 Burger J. 2005. Fishing, fish consumption, and knowledge about advisories in college students and others in central New Jersey. *Environmental Research* 98: 268-275.
- 3 Burger, J. 2005. Assessing environmental attitudes and concerns about a contaminated site in a densely populated suburban environment. *Environmental Monitoring and Assessment* 101: 147-165.
- 4 Burger, J., C.W. Powers, M. Greenberg and M. Gochfeld. 2004. The role of risk and future land use in cleanup decisions at the Department of Energy. *Risk Analysis* 24(6): 1539-1549.
- 5 Burger, J. 2005. Use of ecological risk data in the development of visions, conceptual site models, and maps for Department of Energy lands: Ensuring sustainability of protecting human and ecological Health. *Journal of Environmental Planning and Management* 48 (5): 733 - 746.
- 6 Burger, J., and M. Gochfeld. 2004. Marine birds as sentinels of environmental pollution. *EcoHealth* 1, 263–274.
- 7 Burger, J., A.H. Stern and M. Gochfeld. 2005. Mercury in commercial fish: Optimizing individual choices to reduce risk. *Environmental Health Perspectives* 113 (3): 266-271.
- 8 Burger, J., K.R.Campbell, T.S.Campbell, T.Shukla, C.Jeitner, and M.Gochfeld. 2005. Use of skin and blood as nonlethal indicators of heavy metal contamination in northern water snakes. *Archives of Environmental Contamination and Toxicology* 49, 232-238.
- 9 Burger, J., S. Murray, K.F. Gaines, J.M. Novak, T. Punshon, C. Dixon, and M. Gochfeld. 2006. Element levels in snakes in South Carolina: Differences between a control site and exposed site on the Savannah River Site. *Environmental Monitoring and Assessment* 112: 35-52.

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- 10 Burger, J., M. Gochfeld, S. Burke, C.W. Jeitner, S. Jewett, D. Snigaroffe, R. Snigaroff, . Stammg, S. Harper, M. Hoberg, H. Chenelotd, R. Patrick, C. D. Volz, and J. Weston. 2005. Do scientists and fishermen collect the same size fish? Possible implications for exposure assessment. *Environmental Research*, 19 September.
 - 11 Burger, J., K.R.Campbell, T.S. Campbell,T.Shukla, C.Dixon and M.Gochfeld. 2005. Use of central stonerollers (Cyprinidae:Campostoma anomalum) from Tennessee as a bioindicator of metal contamination. *Environmental Monitoring and Assessment* 110: 171-184.
 - 12 Chess, C., J. Burger, M.H. McDermott 2005. Speaking Like a State: Environmental justice and fish consumption advisories. *Society and Natural Resources* 18 (3): 267 - 278.
 - 13 Greenberg, M., 2005. Environmental protection as a US national government priority: Analysis of six annual public opinion sureys, 1999-2004. *Journal of Environmental Planning and Management* 48(5): 733-746.
 - 14 Greenberg, M., J. Burger, M. Gochfeld, D. Kosson, K. Lowrie, H. Mayer, C. Powers, C. Volz and V. Vyas. 2005. End-state land uses, sustainable protective systems, and risk management: A challenge for multi-generational stewards. *Remediation Journal* 16(1) Winter: 91-105.
 - 15 Kenamer, R.A., J.R.Stout, B.P.Jackson, S.V.Colwell, I.L.Brisbin Jr., and J.Burger. 2005. Mercury patterns in wood duck eggs from a contaminated reservoir in South Carolina, USA. *Environmental toxicology and Chemistry* 24(7): 1793-1800.
 - 16 Mayer, H., M. Greenberg, J. Burger, M. Gochfeld, C. Powers, D. Kosson, R. Keren, C. Danis, and V. Vyas. 2005. Using integrated geospatial mapping and conceptual site models to guide risk-based environmental cleanup decisions. *Risk Analysis* 25 (2): 429-446.
 - 17 Punshon, T., B.P. Jackson, A. Lanzirotti, W.A. Hopkins, P.M. Bertsch and J. Burger. 2005. Application of synchrotron X-ray microbeam spectroscopy to the determination of metal distribution and speciation in biological tissues. *Spectroscopy Letter*, 38:343-363.
 - 18 Volz, D., 2005. Fieldwork of dreams. *Public Health Magazine: A publication of the University of Pittsburgh Graduate School of Public Health*, Spring.
 - 19 Vyas, V.M M. Gochfeld, N.R. Sussman, P.G. Georgopoulos and P.J. Liroy. 2006. An evaluation of the role of risk based decision making in a former manufactured gas plant site remediation. *Journal of the Air & Waste Management Association* 56: 225-235.

CRESP In Press Manuscripts

- 1 Kostelnik, K.M., J. H. Clarke, J. L. Harbour, F. Sanchez and F. L. Parker. 200X. A sustainable environmental protection system for the management of residual contaminants. *Journal of Research in Social Problems and Public Policy*.

CRESP Submitted Manuscripts

- 1 Burger, J., M. Gochfeld, and S.C. Jewett. 200X. Selecting species for marine assessment of radionuclides around Amchitka: Planning for diverse goals and interests. *Environ Monit Assess*
- 2 Burger, J., M. Gochfeld, C. Jeitner, S. Burke, and T. Stamm. 200x. Metal levels in flathead sole (*Hippoglossoides elassodon*) and great sculpin (*Myoxocephalus polyacanthocephalus*) from Adak Island, Alaska: potential risk to predators and fishermen. *Environmental Research*.
- 3 Burger, J. 200x. Bioindicators: Types, development, and use in ecological assessment and research. *Environmental Bioindicators*.

CRESP Published Books, Chapters, and Sections

- 1 Burger, J., 2006. Neurotoxicology and behavioral effects in reptiles. In *New Perspectives: Toxicology and the Environment: Toxicology of Reptiles*, edited by. S.C. Garner and E. Oberdorster, Chapter 7: 173-198. Boca Raton: Taylor and Francis.

CRESP Reports

- 1 Burger, J., D. Kosson, M. Gochfeld and C.W. Powers. 2006. Biomonitoring for ecosystem and human health protection at Amchitka Island. CRESP Report, January 13.
- 2 Gochfeld, M., J. Clarke, K. Lowrie, F. Parker, and C. Powers. 2005. CRESP review and comments to the Portsmouth Gaseous Diffusion Plant 2005 End State vision. CRESP Report, September 26.
- 3 Gochfeld, M.G., C. Volz, S. Jewett, J. Burger, C. Powers, B. Friedlander. 2005. Developing a health and safety plan for hazardous field work in remote areas. CRESP Report, August 1, 2005.
- 4 Gochfeld, M., J. Clarke, K. Lowrie, F. Parker, and C. Powers 2005. CRESP review and comments to the Paducah Gaseous Diffusion Plant 2005 End State vision. CRESP Report, September 26.
- 5 Greenberg, M., J. Burger, M. Gochfeld, D. Kosson, K. Lowrie, H. Mayer, C. Powers, C. Volz and V. Vyas. 2005. End state land uses, sustainable protective systems, and risk management: A challenge for multi-generational stewards. CRESP Report, May.
- 6 Powers, C.W., Burger, J., D. Kosson, and M. Gochfeld. 2006. Addendum to Final Report of CRESP Amchitka Independent Science Assessment: Selecting radiological data for bioindicator selection. CRESP Report, January 11.
- 7 Powers, C.W., Burger, J., Kosson, D., Gochfeld, M., and D. Barnes, eds. 2005. Final Report of the Consortium for Risk Evaluation with Stakeholder Participation Amchitka Independent Science Assessment: Biological and Geophysical Aspects of Potential Radionuclide Exposure in the Amchitka Marine Environment. CRESP Report, August 1.
- 8 Stewart, R.B. 2005. Legal and related policy issues for remediation and NRD strategy at DOE sites. CRESP Report, June 21.

CRESP Researcher Reports

- 1 Brown, K., C. Switzer, K.G. Brown, D.S. Kosson, J.H. Clarke, F. L. Parker, C.W. Powers, and H.J. Mayer and M. Greenberg. 2005. Preliminary risk evaluation of calcined high-level waste disposition at the Idaho Site. CRESP Report, June 25.
- 2 Brown, K.G. R.R. Hinton, L. Williams, D.S. Kosson, J.H. Clarke, F.L.Parker, C.W. Powers, H.J. Mayer, M.Greenberg 2005. Preliminary risk-based alternatives evaluation for buried waste disposition at the Idaho Site. CRESP Report, June 24.
- 3 Burger, J. 2005. Bioindicators: Types, development, and use in ecological assessment and research.
- 4 Burger, J., M. Gochfeld, C.W. Powers, D. Kosson, L. Duffy, J. Halverson, A. Morkill, R. Patrick, P. Sanders. 2006. Scientific Research, Stakeholders, and Policy: Continuing Dialogue during Research on Radionuclides on Amchitka Island. CRESP Report 142.
- 5 Burger, J., M. Gochfeld, and C.W.Powers. 2005. Natural resource damages and the Department of Energy: Integrating ecosystem recovery into the remediation process. CRESP Report.
- 6 Burger, J., M. Gochfeld, D.S. Kosson, C.W. Powers, S. Jewett, B. Friedlander, H. Chenelot. C. D. Volz, and C. Jeitner. 2006. Radionuclides in marine macroalgae from Amchitka and Kiska Islands in the Aleutians: Establishing a baseline for future biomonitoring. CRESP Report, February.
- 7 Faas, J., and M., Greenberg. 2004. Contingent Valuation of Natural Resource Damages: How might this technique be successfully employed in valuing the perceived damage to the snake river plain aquifer caused by the migration of contaminants from the DOE's INEEL Site? Report 94. CRESP Report, December 9.
- 8 Greenberg, M., Karen Lowrie, Joanna Burger, Charles Powers, Michael Gochfeld, and Henry Mayer. 2005. Land Use Controls, Public Health Surveillance, and the Public's Peace of Mind at the United States Major Nuclear Weapons Legacy Sites. CRESP Report, September 13.

CRESP Presentations, Posters, and Abstracts

- 1 Burger, J., 2005. Amchitka biological sampling. Interagency Amchitka Policy Group Meeting, Anchorage, Alaska, March.
- 2 Gochfeld, M., 2005. Amchitka personnel health and safety. Amchitka Science Plan.
- 3 Powers, C.W., M. Gochfeld, D. Kosson, and J. Burger. 2005. The implementation of the Amchitka independent assessment science plan. Meeting of the Interagency Amchitka Policy Group, Anchorage, AK, March 3, 2005
- 4 Powers, C.W. 2005. Balancing risks in communities. Environmental and Community Medicine, Robert Wood Johnson Medical School, Piscataway, NJ. February, 10.
- 5 Powers, C.W., J. Burger and D. Kosson. 2006. Amchitka independent assessment a public briefing on the CRESP report. Alaska Forum on the Environment, Anchorage, Alaska, February 8.
- 6 Powers, C.W., and J. Burger. 2006. CRESP Update: A presentation in two parts to the Amchitka Informal policy review group, Amchitka- The Path Forward. Amchitka Policy Review Group, Anchorage, Alaska, January 18.
- 7 Powers, C.W., and J. Burger. 2004. CRESP NRD-Related Research. Natural Resouce Damage Assessment Workshop: Fernald Closure Project, January, 12.

CRESP Symposia, Workshops, and Stakeholder Events

- 1 Burger, J., M.Gochfeld, S.Jewett, D.Kosson, V.Vyas, and B.Friedlander. 2005. Amchitka Island Symposium: What biological and radionuclide data tell us about potential exposure of biota. Society for Risk Analysis Annual Meeting, Orlando, FL, December.
- 2 Burger, J., D. Kosson, C.W. Powers, and M. Gochfeld. 2005. Amchitka Island Symposium: Is there currently any significant human or ecological risk from radionuclides at Amchitka Island?. Society for Risk Analysis Annual Meeting, Orlando, FL, December.
- 3 Friedlander, B., M.Gochfeld, J.Burger C.W.Powers, and V.Vyas. 2005. Amchitka Island Symposium: Contrasting radionuclides in marine organisms in contaminated and uncontaminated seas. Society for Risk Analysis Annual Meeting, Orlando, FL, December.
- 4 Gochfeld, M., D.Volz, S.Jewett, and J.Burger. 2005. Amchitka Island Symposium: Balancing worker risk and reexpedition benefit in a remote environment with uncharacterized hazards: Keeping expedition personnel safe in a risky environment. Society for Risk Analysis Annual Meeting, Orlando, FL, December.
- 5 Jewett, S., M. Hoberg, H. Chenelot, S. Harper, J. Burger ,and M. Gochfeld. 2005. Scuba techniques used in risk assessment of possible nuclear leakage around Amchitka Island, Alaska. American Academy of Underwater Science 24th Annual Diving for Science Symposium. U. Conn. Sea Grant.
- 6 Kosson D., M.Unsworth, M.Johnson, D. Barnes, V.Vyas and D. Volz. 2005. Amchitka Island Symposium: What geophysical data can tell us about potential exposure pathways. Society for Risk Analysis Annual Meeting, Orlando, FL, December.
- 7 Powers, C.W., 2005. Amchitka Island Symposium: Introduction and independently getting the Science right in collaboration with public agencies and other Stakeholders. Society for Risk Analysis Annual Meeting, Orlando, FL, December.
- 8 Powers, C.W., 2005. Amchitka Island Symposium. Society of Risk Analysis Annual Meeting, Orlando, FL, December.

CRESP Dissertations or Theses Completed

- 1 Williams, L.L., 2005. Effect of plant root intrusion on the water balance of landfill cover systems. Thesis submitted to the faculty of the graduate school of Vanderbilt University, Masters of Science in Environmental Engineering, Nashville, TN, May.