



CRESP II Scholarly Products: Year 1

September 2000 – September 2001

Consortium for Risk Evaluation with Stakeholder Participation II

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CRESP II Scholarly Products: Year 1

CRESP Published Manuscripts

- 1 Burger J. 2000. Integrating long-term avian studies with planning and adaptive management: Department of Energy lands as a case study. *Studies in Avian Biology* 21: 115-121.
- 2 Burger J., K.F. Gaines, and M. Gochfeld. 2001. Ethnic differences in risk from mercury among Savannah River fisherman. *Risk Analysis* 21(3): 533-544.
- 3 Burger J., and J. Snodgrass. 2001. Metal levels in southern leopard frogs from the Savannah River Site: Location and body compartment effects. *Environmental Research, Section A* 86, 157-166.
- 4 Burger J., and J.W. Snodgrass. 2001. Oral deformities in several species of frogs from the Savannah River Site, US. *Environmental Toxicology and Chemistry* 19(10): 2519-2524.
- 5 Burger J., K.F. Gaines, J. Peles, W.L. Stephens Jr., C.S. Boring, I.L. Brisbin Jr., J. Snodgrass, L. Bryan, M. H. Smith, and M. Gochfeld. 2001. Radiocesium in fish from the Savannah River and Steel Creek: Potential food chain exposure to the public. *Risk Analysis* 21(3): 545-559.
- 6 Burger J., M. Gochfeld, C.W. Powers, L., Waishwell, C. Warren, and B.D. Goldstein. 2001. Science, policy, stakeholders, and fish consumption advisories: Developing a fish fact sheet for the Savannah River. *Environmental Management* 27(4): 501-514.
- 7 Burger J. 2001. Stewardship and future land use at a Department of Energy site: Does self-interest determine ratings. *Journal of Toxicology and Environmental Health, Part A*, 63:383-395.
- 8 Burger J., and M. Gochfeld 2001. Stewardship and the US Department of Energy: Encompassing ecosystem protection. *Journal of Environmental Planning and Management* 44(4): 437-454
- 9 Georgopoulos, P.G., S.S. Isukapalli, and A.Roy. 2000. Efficient sensitivity/uncertainty analysis using the combined stochastic response surface method and automated differentiation: Application to environmental and biological systems. *Risk Analysis*, 20(5): 591-602.
- 10 Georgopoulos, P.G., and D.Brodsky. 2001. Growth and deposition of hygroscopic particulate matter in the human lungs. *Aerosol Science and Technology* 34: 144-159.
- 11 Georgopoulos, P.G., Y. Drossinos, and P.G.Kevrekidis. 2001. Transitional invariance in nucleation theories: Theoretical formulation. *Physical Review E* (63) 036123: 1-13.
- 12 Gochfeld, M., J. Burger and D. Goldstein. 2000. Medical care as a commons. *Protecting the Commons*: 253-269.

- 13 Greenberg, M., D. Lewis, and M. Frisch. 2001. Regional economic impacts of environmental management of radiological hazards: An initial analysis of a complex problem. *Journal of Environmental Planning and Management*, 44(3), 377-390.
- 14 Lowrie, K., and M. Greenberg. 2001. A proposed model for community participation and risk communication for a DOE-led stewardship program. *Federal Facilities Environmental Journal*, Spring.
- 15 Mayer, H. and M. Greenberg 2001. Coming back from economic despair: Case studies of small- and medium-size American cities. *Economic Development Quarterly*, 15:3, 203-216.
- 16 Palestis, B.G., and J. Burger. 2000. The effect of siblings on nest site homing by common tern chicks: A benefit of kin recognition. *Waterbirds* 24(2): 175-181.
- 17 Rosato, M.T., A.J.Jabbour, R.A.Ponce, T.J.Kavanagh, T.K.Takaro, J.P.Hill, M. Poot, P.S.Rabinovitch, and E.M. Faustman. 2001. Simultaneous analysis of surface marker expression and cell cycle progression in human peripheral blood mononuclear cells. *Journal of Immunology Methods*: 256: 35-46.
- 18 Salazar, M.K., C. Connon, T.K. Takaro, N. Beaudet, S. Barnhart 2001. An evaluation of factors affecting hazardous waste workers' use of respiratory equipment. *American Industrial Hygiene Association Journal* 62, March/April.
- 19 Switzer, C. and D. Kosson. 2000. Soil vapor extraction remediation of trichloroethylene contamination at the Savannah River Sites's C-area burning rubble pit. *Carolina Geological Society, 2000 Annual Field Trip Guidebook (WSRC-MS-2000-006-6): J:1-10.*

CRESP In Press Manuscripts

- 1 Burger J., K.F. Gaines, C.S. Boring, W.L. Stephens, Jr., J. Snodgrass, and M. Gochfeld. 2000. Mercury and selenium in fish from the Savannah River: Species, trophic level and locational differences.
- 2 Lowrie, K., and M. Greenberg. 200x. Can David and Goliath get along?: Federal lands in local places. *Environmental Management*
- 3 Mercer, D. 200X. Making legitimate decisions: Scientific and democratic ideals in federal facility management. *Federal Facility Journal*

CRESP Submitted Manuscripts

- 1 Bartell S.M., C.M. Krohn, K.R. Campbell, and J. Burger. 2000. The feasibility of using U.S. geological survey quadrangle maps to characterize U.S. Department of Energy facilities in regional landscapes.
- 2 Burger J., and L. Waishwell. 200X. Are we reaching the target audience? Evaluation of a fish fact sheet. *Science of the Total Environment*
- 3 Burger J., K.F. Gaines, C.G. Lord, I.L. Brisbin, S. Shukla, and M. Gochfeld. 200X. Metal levels in raccoon tissues: Differences on and off the Department of Energy's Savannah River site in South Carolina. *Environmental Research*

- 4 Burger J., O. Myers, C.S. Boring, C. Dixon, C. Lord, M. McMahon, R. Ramos, S. Shukla, and M. Gochfeld. 200X. Perceptions of environmental problems, future land use and concerns regarding the Los Alamos national laboratory: Hispanics are more concerned.
- 5 Burger J., J. Sanchez, D. Roush, and M. Gochfeld. 200X. Risk perception, future land use and stewardship: Comparison of attitudes about Hanford Site and Idaho National Engineering and environmental laboratory.
- 6 Burger J., and M. Gochfeld. 200X. Role of wild game in the diet of recreationists in South Carolina.
- 7 Burger J., J. Hunter, and K. Cooper. 200X. Using integrated food web and population-based models for environmental monitoring, decision-making, and stewardship planning.
- 8 Burger, J. 200X. Contaminated facilities and ecosystems: Weighing the ecological risks. *Journal of Toxicology and Environmental Health*
- 9 Burger, J., M. Gochfeld, T.M. Leschine, J.R. Karr, M. Greenberg, and C.W. Powers. 200X. Shifting priorities at the Department of Energy's bomb factories: Balancing protection of human and ecological health. *Environmental Management*
- 10 Drew C.H., and T.L. Nyerges. 2001. Decision transparency for long-term stewardship: A case study of soil cleanup at the Hanford 100 area. *Journal of Risk Research*.
- 11 Drew, C.H., G.A. Dierdre, S.M. Silbernagel, E.S. Hemmings, A. Smith, W.C. Griffith, T.K. Takaro and E.M. Faustman. 2001. Nuclear waste transportation: Case studies of identifying stakeholder risk information needs. *Environmental Health Perspectives*.
- 12 Drew, C.H., and T.L. Nyerges. 200x. Promoting transparent decisions: A case study of soil cleanup at the Hanford 100 area. *Journal of Risk Research*
- 13 Gaines K.F., C.S. Romanek, C. S. Boring, C.G. Lord, M. Gochfeld, and J. Burger. 200X. Using raccoons as an indicator species for metal accumulation across trophic levels: A stable isotope approach.
- 14 Hacherl E.L., D.S. Kosson, L.Y.Young, and R.M. Cowan. 200X. Measurement of Iron(III) bioavailability in pure iron oxide minerals and soils using anthraquinone-2, 6-disulfonate oxidation. *Environmental Science and Technology*.
- 15 Harcherl, E.L., D.S. Kosson and R.M. Cowan. 200X. A kinetics model for bacterial FE3+ oxide reduction in batch microcosms. *Biotechnology and Bioengineering*
- 16 Judd N., S.M. O'Neill, and D.A. Kalman. 2001. Seafood derived PCBs in diets of Puget Sound residents: Environmental monitoring and consumption patterns.
- 17 Judd, N., S.M. O'Neill, and D.A. Kalman. 200X. Is environmental PCB monitoring data sufficient to assess risk for high seafood consumption groups in Puget Sound. *Journal of Exposure Analysis and Environmental Epidemiology*.
- 18 Kimberling D.N., J.R. Karr, and L.S. Fore. 200X. Measuring human disturbance using terrestrial invertebrates in shrub-steppe of eastern Washington (USA). *Ecological Indicators*

- 19 Kinney A.G., and T.M. Leschine. 200X. Technocratic vs. community conceptions of risk: A procedural evaluation of the Columbia River comprehensive impact assessment.

CRESP Published Books, Chapters, and Sections

- 1 Burger, J., and M. Gochfeld. 2002. Effects of chemicals and pollution on seabirds. In *Biology of Marine Birds*, edited by Elizabeth A. Schreiber and Joanna Burger, 485-525. Boca Raton: CRC Press.
- 2 Fischbeck, P.S., and R.S.Farrow.2001. Genetic testing and the workplace: A case analysis of chronic beryllium disease. Washington, DC: Resources for the Future.

CRESP Reports

- 1 CRESP II. 2000. Overview of CRESP II: Project Review Meeting: Consortium for Risk Evaluation with Stakeholder Participation II and The Institute for Responsible Management, Report 01-005. December 1.
- 2 CRESP II. 2001. A guide to the Consortium for Risk Evaluation with Stakeholder Participation II, Report 01-009. January 5.
- 3 CRESP II. 2001. How research and technology needs for long-term stewardship guide CRESP research with CRESP projects and work products, Report 01-001. January 10.
- 4 CRESP II. 2001. How research and technology needs for long-term stewardship guide CRESP research, Report 01-002. January 15.
- 5 CRESP II. 2001. How research and technology needs for long-term stewardship guide CRESP research. Report 01-003. January 25.
- 6 CRESP II. 2001. Overview of CRESP II stewardship by center and project, Report 01-007. Department of Energy. Washington, DC, January 4.
- 7 CRESP II. 2001. Overview of CRESP II: Presentations: How we approach stewardship research, Report 01-006. Department of Energy. Washington, DC, January 4.
- 8 CRESP II. 2001. Overview of CRESP II: Stewardship by Center and Project, Report 01-008. EPA, Region 4. Atlanta, GA, January 15.
- 9 CRESPII 2001. A research agenda to integrate cost effective cleanup with long term protection at DOE sites, Report 01-011. September
- 10 Powers, C.W., and CRESP management board. 2000. A stewardship framework for guiding CRESP research, Report 01-004. October 18

CRESP Researcher Reports

- 1 Abbotts, J., K.Ertell, and T.K.Takaro. 2001. The Hanford building leasing program: Identified procedural improvements. Draft Version 081501
- 2 Drew, C. 2001. Decision mapping system and transparency project preliminary design report. Draft Version 0.1

- 3 Ertell, K.B., Takaro, T.K., Abbotts, J., and K.E. Omri. 200X. Beryllium recommended model criteria for monitoring and surveillance based on outcomes of beryllium risk density mapping. Draft.
- 4 Greenberg, M. and K. Lowrie. 2001. A proposed model for community participation and risk communication for a DOE-led stewardship program, Report 43.
- 5 Greenberg, M., K.T. Miller, M. Frisch, and D. Lewis. 2001. Regional economic impacts of life cycle remediate costs: Areas surrounding the US DOE's major nuclear weapons facilities-Report 50.
- 6 Griffith, W.C. 200x. Incorporation of bayesian methods into models like RESRAD and RBCA.
- 7 Judd, N., W.C.Griffith, D.A.Kalman and E.M.Faustman. 200X. Quantitative assessment of congener specific analytical techniques for PCBs: Do they meet risk assessment needs?. Draft.
- 8 Lewis, D., M. Greenberg, and M. Frisch. 2001. Downsizing and worker separations: Modeling the regional economic impacts of alternative Department of Energy workforce adjustment policies, Report 37.
- 9 Lewis, D., and M. Frisch. 2001. Prospects for success of business incubators in defense-dominated regions, Report 41. Winter.
- 10 Lowrie, K., and M. Greenberg. 2000. Lessons learned about public involvement from the US Forest Service's Collaborative Stewardship: Case 1 - Camino Real District Timber cutting, Report 42. December.
- 11 Mayer, H. 2001. Consolidation of SRS administrative offices: Objectives and challenges at an important long-term stewardship site. Report 48.
- 12 McCurdy, H.E. 2001. Selected readings on high reliability organizations, Report PP01-001. January 21.
- 13 McCurdy, H.E., and T.M.Leschine. 2001. The institutional challenge of sustaining high levels of reliability over extended periods of time. April 16.
- 14 Nyerges, T., and C. Drew. 2001. Considerations for an enhanced decision mapping system: An informed system architecture approach. September 25.
- 15 Powers, C.W. 2001. Overview of CRESP II, Report SM 01-001. January.
- 16 Powers, C.W. 2001. Overview of CRESP II, Report SM 01-002. April.
- 17 Ra, K., and S. Mahadevan. 2001. Synthesis of corrosion data from literature and DOE sources.
- 18 Salazar, M.K., T.K.Takaro, and K. Ertell. 200X. Occupational health and safety among subcontractors at Hanford. Draft.
- 19 Simon, D., K. Lowrie and M. Greenberg. 2001. Lessons learned about stewardship from locally-driven efforts in the US Southwest: Case 2-Grazing, open space protection and landscape restoration, Report 49. October.

- 20 Vyas, V.M., A. Roy, W. Strawderman, P.G. Georgopoulos and D.S. Kosson. 2001. Defining background groundwater quality at the Savannah River Site, Report RM 01-001. January.
- 21 Waishwell, L. 2001. Assessment of educational materials needed to inform stakeholders about CRESP activities.
- 22 Waishwell, L. 2001. CRESP II Office of Outreach and Communication Outreach Plan.

CRESP Presentations, Posters, and Abstracts

- 1 Barnes, D.L., and J.J. Kelley. 2001. Amichitka Island Hydrogeology Research. American Society of Civil Engineers Meetings June 20.
- 2 Bartell S.M., T.K. Takaro, R.A. Ponce, R.O. Zerbe, G.S. Omenn, and E.M. Faustman. 2001. Risk estimation and value-of-information analysis for three proposed genetic screening programs for chronic beryllium disease prevention.
- 3 Berkis, L.M., A.J. Jabbour, T.K. Takaro, T.J. Kavanagh, and E.M. Faustman. 2001. Glutamate-cysteine ligase levels in human peripheral blood lymphocytes: Improved flow cytometry based method for evaluating immune and antioxidant relationships. Society of Toxicologists. San Francisco, CA, March 35-29.
- 4 Boring, S. 2001. Movement of racoons on the Savannah River Site. Rutgers University. Piscataway, NJ, August.
- 5 Burger J., and M. Gochfeld. 2001. Choosing the message with consideration of culture and socio-economic differences. National Risk Communication Conference. Chicago, IL, May 6-8, 2001.
- 6 Burger J. 200X. Risks from radiocesium and metals from fish the Savannah River. Environment Conference. Charleston, SC, April9-10.
- 7 Burger, J., B.B. Johnson, S. Shukla, and M. Gochfeld. 2000. Perceived effect of fish consumption advisories on recreational and party-boat fishing in New Jersey. Society for Risk Analysis. Arlington, VA, December 3-6.
- 8 Burger, J., K.F. Gaines, C.S. Boring, J. Snodgrass, and M. Gochfeld. 2000. Risk from consuming fish from the Savannah River contaminated with mercury and radiocesium. Society for Risk Analysis. Arlington, VA, December 3-6.
- 9 Burger, J. 2001. Bioavailability of heavy metals and radionuclides at an aged riparian zone on the Savannah River Site. EPA Forum on Managing Contaminated Sediments at Hazardous Waste Sites. Alexandria, VA, May 30-June 1.
- 10 Burger, J., K.F. Gaines and M. Greenberg. 2001. Radiocesium and metals in fish from Savannah River: Food chain exposure to animals & the public.
- 11 Burger, J., K. Gaines, and M. Gochfeld. 2001. Risk, mercury and cesium in fish from the Savannah River. SCDHEC Mercury in the Environment Conference. Charleston, SC, April 9-10.

- 12 Burger, J. 2001. Using birds as indicators of pollution. American Ornithologist's Union. Seattle, WA, August 15-18.
- 13 Drew C. 2000. Promoting environmental decision transparency with geographic information technology. AAGS Annual Meeting. New York, March 2000.
- 14 Drew, C. 2001. A Decision mapping system (DMS) for the Hanford 100 area. Hanford Site Managers Meeting, September 10.
- 15 Drew, C.H. 2001. Promoting environmental decision transparency with geographic information technology. Eco-Inforna 2001 Argonne National Laboratory. Chicago, IL, May 16.
- 16 Drew, C.H. 2001. Promoting long-term decision transparency with geographic + WWW technology. Environmental Risks and the Global Community: Strategies for Meeting the Challenges at Eco-Inforna 2001. Argonne National Laboratory, Chicago, IL, May 16, 2001.
- 17 Eichelberger, J., G. Hill, M. Patrick, J. Freymueller, D. Barnes, J. Kelley, and P. Layer. 200X. Factors to be considered in long-term monitoring of a former nuclear test site in a geophysically active and water-rich environment. Fall Annual Meeting, American Geophysical Union, San Francisco, CA Dec. 10-14.
- 18 Erdal, S., B.R. Friedlander, B.D. Goldstein, and C.W. Powers. 2000. Analysis of the risk prioritization process employed by the Department of Energy's Savannah River Site. Society for Risk Analysis. Arlington, VA, December 3-6.
- 19 Ertell, E.B., T.K. Takaro, K.E. Omri, L.S. Newman, E.M. Faustman, and T.J. Kavanaugh. 2001. Draft model criteria for monitoring and surveillance for Beryllium in buildings undergoing decontamination and decommissioning using risk density maps for area 300 of Hanford. Association of Industrial Hygiene Annual Meeting. New Orleans, LA, June.
- 20 Ertell, K., T. Takaro, K. Omri, L. Newman, E.M. Faustman, and T. Kavanaugh. 2001. Use of risk density mapping to refine risk estimates for beryllium exposure at Hanford. American Industrial Hygiene Association Conference. June 4-6.
- 21 Faustman, E.M. 2001. Using concepts of risk to frame the clean-up of DOE legacy waste. American Chemical Society Meeting, Seattle, WA, June.
- 22 Gochfeld M. 2001. A comparison of the epidemiological studies for human risk from methylmercury. Environment Conference. Charleston, SC, April 9-10.
- 23 Gochfeld, M., and J. Burger 2000. Cancer risk estimates from ingesting strontium in fish. Society for Risk Analysis. Arlington, VA, December 3-6.
- 24 Griffith, W.C., C. Drew, K. McCarthy, J. Abbotts, and E. Faustman. 2000. Hanford 100 area: CRESA review of contaminant transport, exposure, dose and effects models used in cleanup verification packages to support records of decisions for two waste sites. Society for Risk Analysis. Arlington, VA, December 3-6.

- 25 Jabbour A.J., R.A. Ponce, M.T. Rosato, T.J. Kavanagh, L.S. Newman, T.K. Takaro, and E.M. Faustman. 2001. A flow cytometric assay for beryllium sensitization: Screening and mechanistic application. Poster. Society of Toxicologists Annual Meeting. San Francisco, CA, March 25-29, 2001.
- 26 Jakes, A., J.W. Snodgrass and J. Burger. 2001. A local habitat preference model for beaver *Castor canadensis* on the southeastern plain. American Society Mammalogists. Missoula, Montana, June 20-26.
- 27 Judd, N.L., E.M. Faustman, W.C.Griffith, and D.A. Kalman. 2001. A value of information assessment for congener specific analytical techniques for PCBS: Do they meet risk assessment needs. Society of Toxicologists Annual Meeting. San Francisco, CA, March 25-29.
- 28 Judd, N.L., D.A. Kalman, and E.M. Faustman. 2001. Can seafood toxicant data answer human risk questions: Case study for high exposure groups in Puget Sound. Poster. National Risk Communication Conference. May 7.
- 29 Judd, N.L., W.C. Griffith, and E.M. Faustman. 2001. Quantitative assessment of congener specific analytical techniques for PCBs: Do they meet risk assessment needs. Annual Meeting of the Society of Toxicology. San Francisco, CA, March.
- 30 Karr, J.R. 2001. Protecting ecological health: The 21st century challenge. Departmental Seminar, Department of Philosophy, University of North Texas.
- 31 Karr, J.R. 2001. Protecting ecological health: The 21st century challenge. Departmental Seminar, Department of Biology, San Diego State University, San Diego, CA.
- 32 Leschine T.M. 2000. Long-term stewardship planning for federal facilities: Why a comprehensive approach is necessary. Interagency Workshop on Land Transfer and Long-Term Management of Contaminated Federal Facilities. San Francisco, Dec. 13-15.
- 33 Lewis, D. 2001. Regional economic impacts of environmental management of radiological hazards: An initial analysis of a complex problem. REMI Northeastern Policy Issues Conference. June 11-13.
- 34 Liroy P. 2001. CRESP II: Summary overview of ongoing projects at the center of expertise in exposure assessment. Savannah River Site. Aiken, SC, April 12.
- 35 McCarthy, K., B. Griffith, J. Moore, C.H. Drew, and T.M. Leschine. 2000. Hanford 100 area cleanup: CRESP review of cleanup verification packages for two waste site. Society for Risk Analysis. Arlington, VA, December 3-6.
- 36 Powers C.W. 2001. CRESP II in transition: How we are evolving our missions and activities. Savannah River Site. Aiken, SC, April 12.
- 37 Powers C.W., B.R. Friedlander, and A.C. Upton. 2001. Focusing interdisciplinary research: Stewardship challenges at legacy waste sites. 3rd Annual Research Day: A Celebration of Research.

- 38 Powers C.W. 2001. Overview of CRESP II. Department of Energy, Office of Long-Term Stewardship. Washington, DC, February 1.
- 39 Powers C.W. 2001. Overview of CRESP II. Stakeholders Meeting. Anchorage, AK, April 25.
- 40 Powers C.W. 2001. Overview of CRESP II. Department of Energy. Washington, DC, January 4.
- 41 Powers C.W. 2001. Overview of CRESP II. EPA Region 4. Atlanta, GA, January 16.
- 42 Powers C.W. 2001. Rethinking the regulatory framework for the cleanup of DOE sites. March 21.
- 43 Powers, C.W. 2000. CRESP. Industry Partnerships for Environmental Science and Technology Conference, Long-term Stewardship Implementation Session, Morgantown, West Virginia, October 18.
- 44 Powers, C.W. 2001. Consortium for risk evaluation with stakeholder participation II. Poster. 3rd Annual Research Day: A Celebration of Research.
- 45 Powers, C.W. 2001. How CRESP is viewing the role of science and technology in helping rethink the path forward to long-term environmental protection at DOE sites-Part 1. October 3.
- 46 Powers, C.W. 2001. Innovative approaches for a more effective cleanup program: Rethinking the path forward to the environmental stewardship of DOE sites. Environmental Risks and the Global Community: Strategies for Meeting the Challenges at Eco-Inforna 2001. Argonne National Laboratory, Chicago, IL, May 16, 2001.
- 47 Powers, C.W. 2001. Rethinking the path forward to stewardship for the cleanup of DOE sites. Long-term Institutional Management of Hazardous Sites, NRC's Board on Radioactive Waste Management, April 3.
- 48 Powers, C.W. 2001. Rethinking the path forward to more cost-effective, long-term environmental protection at DOE sites: How SRS is leading the complex on key issues in achieving cleanup finalization and durable stewardship. DOE and WSRC Remediation Group, Augusta, GA, Aug. 15.
- 49 Powers, C.W. 2001. Scientific work that improves the risk-based regulatory environment: The role of technology in helping us rethink the path forward to long-term environment protection at DOE sites. Environmental Restoration Technology End Use Conference, Atlanta, GA, July 17-19.
- 50 Powers, C.W. 2001. Scientific work that improves the risk-based regulatory environment: The role of technology in helping us rethink the path forward to long-term environmental protection at DOE sites. Committee on Long-term Institutional Management of DOE Legacy Sites, Board of Radioactive Waste Management, National Research Council, August 7.
- 51 Powers. C., 2000. Overview of CRESP II. Project Review Meeting, Department of Energy, December 1.

- 52 Punshon T., J. Burger, and M. Bertsch. 2001. Bioavailability and trophic transfer: Correlation between metals and radionuclides in an aged riparian system. ER Tech 2001 Innovative Technology and End-Users Conference. Atlanta, GA, July 17-18, 2001.
- 53 Punshon T., J. Burger, M. Bertsch, and K.F. Gaines. 2001. Bioavailability of Heavy Metals and Radionuclides in an aged riparian zone on the Savannah River Site. EPA Forum on Managing Contaminated Sediments at Hazardous Waste Sites. Alexandria, VA, May 30-June 1, 2001.
- 54 Snodgrass, J.W., L.A. Bryan Jr., and J. Burger. 2001. Hydro period variation, landscape position and the occurrence of top predators in temporary habitats. American Society of Limnology and Oceanography Meetings. Albuquerque, NM, February 12-16.
- 55 Switzer, C., J. Rossabi, and D. Kosson. 2001. Use of soil gas concentration rebound testing to assess soil vapor extraction remediation of trichloroethylene contamination in heterogeneous materials. Environmental Restoration Technology End Use Conference, Atlanta, GA, July 17-19.
- 56 Takaro T.K., K. Ertell, B. Stover, R. Ponce, J. Jaccour, L. Newman, E. Faustman, T. Kavanagh, and S. Barnhart. 2001. Beryllium building risk density estimates using work history and sentinel events of beryllium sensitization in former Hanford workers.
- 57 Takaro T. 2001. Beryllium sensitization at Hanford: Applying the sentinel case approach. NIOSH Resp.Dz. and Field Studies Branches. Morgantown, WV, Jan 18.
- 58 Waishwell, L.M., and J. Burger. 2000. Communicating fish consumption risk in the Savannah River region: Evaluation of a targeted risk communication strategy. Society for Risk Analysis. Arlington, VA, December 3-6.

CRESP In Progress Books, Chapters and Sections

- 1 Karr, J.R. 200X. Understanding the consequences of human actions: Indicators from GNP and IBI.

CRESP Upcoming Presentations, Posters and Abstracts

- 1 Burger, J. 2001. Assessment tools for ecological services and future land use. Thirteenth TIE Workshop, Albuquerque, NM, Nov. 13-15.
- 2 Burger, B. 2001. Risk-related implications of turning major nuclear weapons facilities into ecological preserves. Society for Risk Analysis 2001 Annual Meeting. Seattle, WA, Dec 2-5.
- 3 Drew, C.H., and T.L. Nyerges. 2001. Promoting long-term decision transparency with geographic and www information technology. Thirteenth TIE Workshop.
- 4 Greenberg, M. 2001. Measuring the economic impacts of massive waste management facilities. Society for Risk Analysis 2001 Annual Meeting. Seattle, WA, Dec. 2-5.

- 5 Judd, N.L., W.C. Griffith, T.K. Takaro, and E.M. Faustman. 2001. A model for optimization of biomarker testing frequency to minimize disease and cost: Example of beryllium sensitization testing. Society for Risk Analysis 2001 Annual Meeting. Seattle, WA, Dec. 2-5.
- 6 Kosson, D. 2001. The integrator operable unit-Its place in land use. Thirteenth TIE Workshop.
- 7 Kosson, D. 2001. The science, policy, and regulation of contaminant release: A key to real stewardship. Society for Risk Analysis 2001 Annual Meeting. Seattle, WA, Dec 2-5.
- 8 Lowrie, K. and L. Waishwell. 2001. Listening to community leaders about land use. Thirteenth TIE Workshop.
- 9 Mayer, H. 2001. Infrastructure and stewardship: An essential pairing. Thirteenth TIE Workshop.
- 10 Powers, C.W. 2001. A model for guiding long term stewardship risk-based research. Society for Risk Analysis 2001 Annual Meeting. Seattle, WA, Dec 2-5.
- 11 Powers, C.W. 2001. Consortium for Risk Evaluation with Stakeholder Participation II (CRESP II)'s research applicable to DOE land use. Thirteenth TIE Workshop.
- 12 Powers, C.W. 2001. Obstacles and resolutions for decisions on site land use. Thirteenth TIE Workshop.
- 13 Powers, C.W. 2001. Decision time: DOE land use-tools and processes. Thirteenth TIE Workshop.
- 14 Powers, C.W. 2001. Workshop: A model for guiding long term stewardship risk-based research. Society for Risk Analysis 2001 Annual Meeting. Seattle, WA, Dec 2-5.
- 15 Punshon T., J. Burger, and M. Bertsch. 2001. Bioavailability and trophic transfer of heavy metals and radionuclides in contaminated sediments. Poster. American Society of Agronomy-Soil Science Society of America Annual Meeting. Charlotte, NC, Oct. 21-25, 2001
- 16 Takaro, T.K., K.B., Ertell, J. Dement, K.E. Omri, K. Ringen, L. Welch, and E.M. Faustman. 200X. Beryllium sensitization and respiratory disease in former workers at large nuclear weapons site. American Thoracic Society Annual Meeting, May 2002.

CRESP Dissertations or Theses Completed

- 1 Bekris, L.M. 2001. Glutamine cysteine ligase levels in human peripheral blood lymphocytes. Masters thesis, University of Washington, Seattle, WA.
- 2 Ellickson, K. 2001. The bioaccessibility of selected radionuclides and heavy metals: An investigation of bioaccessibility, bioavailability and natural soil characteristics. Ph.D. Thesis, University of Medicine and Dentistry of New Jersey, New Brunswick, NJ.
- 3 Berler, D.H. 2001. Macro and micro scale simulations of TCE diffusion in organic matter and two sediments. Ph.D. Thesis, Rutgers University, New Brunswick, NJ.