

National Health and Environmental Effects Research Laboratory  
Publications  
October 1, 2000 - March 31, 2001

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DIV	TYPE	PUBL	CITATION
<b>Atlantic Ecology Division (AED)</b>			
AED	BOOK/CHAPTER	14-Mar-01	Johnston, RK; Munns, Jr., WR; and Nacci, DE. A Probabalistic Analysis to Determine Ecological Risk Drivers IN: Environmental Toxicology and Risk Assessment: Science, Policy, and Standardization - Implications for Environmental Decisions, 10th Volume ASTM STP 1403, B.M. Greenberg, R.N. Hull, M.H. Roberts, Jr., and R.W. Gensemer (EDS), American Society of Testing Materials, Conshohocken, PA., AED-00-025.
AED	BOOK/CHAPTER	31-Mar-00	Najjar, R; Anderson, PJ; Knight, CG; Walker, HA; Megonigal, P.; Psuty, NP; Kennedy, VS; Swanson, RS; Gibson, JR; and Steele, E. Chapter 7. Coastal Zones. IN: Preparing for a Changing Climate: The Potential Consequences of Climate Variability and Change, Mid-Atlantic Overview, A Report of the Mid-Atlantic Regional Assessment Team for the US Global Change Program, March 2000, Pennsylvania State University, University Park, PA, pages 26-30., AED-00-033.
AED	BOOK/CHAPTER	1-May-00	Strobel, CJ; and Heltshe, J. "Application of the Indicator Evaluation Guidelines to Dissolved Oxygen Concentration as an Indicator of the Spatial Extent of Hypoxia in Estuarine Waters." Published in: Evaluation Guidelines For Ecological Indicators, US EPA Environmental Monitoring and Assessment Program (EMAP), LE Jackson, JC Kurtz, WS Fisher (Ed.), Washington, DC: , EPA/620/R-99/005, 2000, pp. 2-1 - 2-17, AED-98-2068.
AED	EPA PROCEED	1-Sep-00	Kutz, R; Koenings, P; and Adlehardt, L. "Proceedings Of The Delmarva Coastal Bays Conference III: Tri-state Approaches To Preserving Aquatic Resources." Ocean City, MD, November 12, 1999 "Proceedings Of The Delmarva Coastal Bays Conference III: Tri-state Approaches To Preserving Aquatic Resources." Washington, DC: US EPA, Office of Research and Development, 2000, 160 pages, AED-00-005.
AED	EPA PROCEED	1-Jun-00	Kutz, FW; Paul, JF; and DeMoss, TB. "Update on the Ecological Condition of the Delmarva Coastal Bays." IN: Proceedings of the Delmarva Coastal Bays Conference III: Tri-State Approaches to Preserving Aquatic Resources, Ocean City, MD, November 12-13, 1999, US EPA Office of Research and Development, Washington, DC, June 2000, EPA/620/R-00/001 p. 43-49, AED-00-067

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AED	JOURNAL	1-Mar-00	O'Connor, TP; and Paul, JF. Misfit Between Sediment Toxicity and Chemistry. Published in: Marine Pollution Bulletin 40 (1):59-64 (2000), AED-00-019.
AED	JOURNAL	20-Dec-00	Keller, AA; and Klein-MacPhee, G. Impact of Elevated Temperature on the Growth, Survival, and Trophic Dynamics of Winter Flounder Larvae: A Mesocosm Study. Published in: Canadian Journal of Fisheries and Aquatic Sciences 57:2382-2392 (2000), AED-00-030.
AED	JOURNAL	1-Mar-00	Lebo, J; Huckins, JN; Petty, JD; Ho, KT; and Stern, EA. Selective Removal of Organic Contaminants from Sediment: a Methodology for Toxicity Identification Evaluations TIEs). Published in: Chemosphere 40:811-819 (2000), AED-00-032.
AED	JOURNAL	1-Jul-00	Reddy, CM; Heraty, LJ; Holt, BD; Sturchio, NC; Eglington, TI; Drenzek, NJ; Xu, L; Lake, JL; and Maruya, KA. Stable Chlorine Isotope Compositions of Aroclors and Arclor-Contaminated Sediment. Published in: Environmental Science and Technology 34 (13):2866-2870 (2000), AED-00-061.
AED	JOURNAL	1-Nov-99	Yan, Q; Ma, D; Guo, H; Hansen, DJ; and Berry, WJ. Testing Acute Toxicity of Contaminated Sediment in Jinzhou Bay with Marine Amphipods. Published in: Oceanologia et Limnologia Sinica 30 (6):629-633 (1999), AED-00-087.
AED	JOURNAL	1-Aug-00	Stahl, RG; Orme-Zavaleta, J; Austin, K; Berry, WJ; Clark, JR; Cormier, S; Fisher, W; Garber, JH; Hoke, R; Jackson, LE; Kreamer, GL; Muska, C; and Sierszen, ME. Ecological Indicators in Risk Assessment: Workshop Summary. Published in: Human and Ecological Risk Assessment 6 (4):671-677 (2000), AED-00-123.
AED	JOURNAL	1-Jan-00	Sarakinos, HC; Bermingham; White, PA; and Rasmussen, JB. Correspondence Between Whole Effluent Toxicity and the Presence of Priority Substances in Complex Effluent. Published in: Environmental Toxicology and Chemistry 19 (1):63-71 (2000), AED-00-2189.
AED	JOURNAL	1-Nov-00	Thursby, GB; Stern, EA; Scott, K; and Heltshe, J. Survey of Toxicity in Ambient Waters of the Hudson/Raritan Estuary: Importance of Small-Scale Variations. Published in: Environmental Toxicology and Chemistry 19 (11):2678-2682 (2000), AED-95-1713.
AED	JOURNAL	1-Jul-00	Voyer, R; Pesch, C; Garber, JH; Copeland, J; and Comeleo, R. New Bedford, Mass: A Story of Urbanization and Ecological Connections. Published in: Environmental History 5 (3):354-377 (2000), AED-97-1923.

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AED	JOURNAL	1-Dec-00	Zaroogian, G.E.; and Jackim, E. In Vivo Metallathionein and Glutathione Status in an Acute Reponse to Cadmium in <i>Mercenaria mercenaria</i> Brown Cells. Published in: <i>Comparative Biochemistry and Physiology. Part C, Pharmacology, Toxicology &amp; Endocrinology</i> 127:251-261 (2000), AED-97-1947.
AED	JOURNAL	1-Dec-99	Latimer, JS; Davis, W; and Keith, DJ. Mobilization of PAHs And PCBs from In-place Contaminated Marine Sediments During Simulated Resuspension Events. Published in: <i>Estuarine, Coastal and Shelf Science</i> 49:577-595 (2000), AED-98-1922.
AED	JOURNAL	1-Feb-00	Pruell, RJ; Taplin, BK; MCGovern, D; McKinney, RA; and Norton, S. Organic Contaminant Distribution in Sediments, Polychaetes ( <i>Nereis virens</i> ) and the American Lobster, <i>Homarus americanus</i> in a Laboratory Food Chain Experiment. Published in: <i>Marine Environmental Research</i> 49:19-36 (2000), AED-98-1948.
AED	JOURNAL	12-Jul-00	Nacci, DE; Serbst, JR; Gleason, TR; Cayula, S; Thursby, GB; Munns, Jr., WR; and Johnston, R. Biological Responses of the Sea Urchin, <i>Arbacia punctulata</i> , to Lead Contamination for an Estuarine Ecological Risk Assessment. Published in: <i>Journal Of Aquatic Ecosystem Stress And Recovery</i> 7:187-199 (2000), AED-98-1964.
AED	JOURNAL	1-Jul-00	Burgess, RM. Characterizing and Identifying Toxicants in Marine Waters: Review of Marine Toxicity Identification Evaluations (TIEs). Published in: <i>International Journal Environment and Pollution</i> 13 (1-6):2-33 (2000), AED-98-1969.
AED	JOURNAL	1-Mar-00	Wigand, C; Wehr, J; Limburg, K; Gorham, B; Longergan, S; Findlay, S; and Findlay. Effects of <i>Vallesneria americana</i> on Community Structure and Ecosystem Function in Lake Mesocosms. Published in: <i>Hydrobiologia</i> 418:137-146 (2000), AED-98-1972.
AED	JOURNAL	1-Oct-99	Hale, SS. How To Manage Data Badly. Published in: <i>Bulletin of the Ecological Society of America</i> 80 & 81 (4 & 1):265-268; 101-103 (1999), AED-98-1975.
AED	JOURNAL	12-Jul-00	Gleason, TR; Munns, Jr., WR; and Nacci, DE. Projecting Population-level Response of Purple Sea Urchins to Lead Contamination for an Estuarine Ecological Risk Assessment. Published in: <i>Journal Of Aquatic Ecosystem Stress And Recovery</i> 7:177-185 (2000), AED-98-1985.
AED	JOURNAL	1-Dec-99	McKinney, RA; Lake, JL; Allen, M; and Ryba, SA. Spatial Variability in Mussels Used to Assess Base Level Nitrogen Isotope Ratio in Freshwater Ecosystems. Published in: <i>Hydrobiologia</i> 412:17-24 (1999), AED-98-1994.

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<b>DIV</b>	<b>TYPE</b>	<b>PUBL</b>	<b>CITATION</b>
AED	JOURNAL	1-Oct-00	Burgess, RM; Ryba, SA; and Cantwell, MG. Importance of Organic Carbon Quantity on the Variation of Koc in Marine Sediments. Published in: Toxicological and Environmental Chemistry 77:9-29 (2000), AED-98-2009.
AED	JOURNAL	1-Sep-00	Kuhn-Hines, A; Munns, Jr., WR; Poucher, S; Champlin, DM; and Lussier, SM. Prediction of Population-level Response from Mysid Toxicity Test Data Using Population Model Techniques. Published in: Environmental Toxicology and Chemistry 19 (9):2364-2371 (2000), AED-98-2037.
AED	JOURNAL	1-Jan-01	Kuhn-Hines, A; Champlin, DM; Munns, Jr., WR; McKinney, RA; Serbst, JR; and Gleason, TR. Evaluation Of The Efficacy of Extrapolation Population Modeling to Predict the Dynamics of Americamysis bahia Populations in the Laboratory. Published in: Environmental Toxicology and Chemistry 20 (1):213-221 (2001), AED-98-2041.
AED	JOURNAL	1-Jul-00	Van Beneden, RJ; Rhodes, L; and Gardner, GR. Potential Alterations in Gene Expression Associated with Carcinogen Exposure in Mya arenaria. Published in: Biomarkers 4 (6):485-491 (2000), AED-98-2045.
AED	JOURNAL	1-May-00	Coiro, L; Poucher, S; and Miller, D. Hypoxic Effect on Growth of Paleomenetes vulgaris Larvae and Other Species: Using Constant Exposure Data to Predict Cyclic Exposure Response. Published in: Journal of Experimental Marine Biology and Ecology 247 (2):243-255 (2000), AED-98-2066.
AED	JOURNAL	1-Nov-00	Pelletier, MC; Burgess, RM; Cantwell, MG; Serbst, JR; Ho, KT; and Ryba, SA. Importance of Maternal Transfer of the Photoreactive Polycyclic Aromatic Hydrocarbon Fluoranthene from Benthic Adult Bivalves to Their Pelagic Larvae. Published in: Environmental Toxicology and Chemistry 19 (11):2691-2698 (2000), AED-98-2081.
AED	JOURNAL	1-Mar-00	Lussier, SM; Champlin, DM; Livolsi, J; Poucher, S; and Pruell, RJ. Acute Toxicity of Para-nonylphenol to Saltwater Animals. Published in: Environmental Toxicology and Chemistry 19 (3):617-621 (2000), AED-99-1992.
AED	JOURNAL	1-Dec-99	Lussier, SM; Kuhn-Hines, A; and Comeleo, R. An Evaluation of the 7-day Toxicity Test with Americamysis bahia (formerly Mysidopsis bahia). Published in: Environmental Toxicology and Chemistry 18 (12):2888-2893 (1999), AED-99-2044.

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AED	JOURNAL	1-Jul-00	Paul, JF; Strobel, CJ; Melzian, BD; Kiddon, JA; Latimer, JS; Cobb, DJ; and Campbell, DE. Condition of The Mid Atlantic Estuaries: Production of a State of the Environment Report. Published in: Environmental Monitoring and Assessment 63:115-129 (2000), AED-99-2082.
AED	JOURNAL	10-Jul-00	Walker, HA; Latimer, JS; and Dettmann, EH. Assessing the Effects of Natural and Anthropogenic Stressors in the Potomac Estuary: Implications for Long-term Monitoring. Published in: Environmental Monitoring and Assessment 63:237-251 (2000), AED-99-2083.
AED	JOURNAL	1-Jul-00	Hale, SS; Bahner, LH; and Paul, JF. Finding Common Ground In Managing Data Used In Regional Environmental Assessments. Published in: Environmental Monitoring and Assessment 63:143-157 (2000), AED-99-2089.
AED	JOURNAL	1-Jul-00	Strobel, CJ; Paul, JF; Hughes, M; Buffum, H; Brown, BS; and Summers, K. Using Information on Spatial Variability of Small Estuaries in Designing Large Scale Estuarine Monitoring Programs. Published in: Environmental Monitoring and Assessment 63:223-236 (2000), AED-99-2092.
AED	JOURNAL	1-Apr-00	Burgess, RM; Cantwell, MG; Pelletier, MC; Ho, KT; Serbst, JR; Cook, G; and Kuhn-Hines, A. Development of a Toxicity Identification Evaluation (TIE) Procedure for Characterizing Metal Toxicity in Marine Sediments. Published in: Environmental Toxicology and Chemistry 19 (4):982-991 (2000), AED-99-2094.
AED	JOURNAL	1-Sep-00	Bergen, BJ; Quinn, J; and Parrish, P. Quality Assurance Study of Marine Lipid Class Determination Using Chromarod/latroscan( Reg. Trademark) Thin-Layer Chromatography-Flame Ionization Detector. Published in: Environmental Toxicology and Chemistry 19 (9):2189-2197 (2000), AED-99-2105.
AED	JOURNAL	1-Jan-01	McKinney, RA; Nelson, WG; Charpentier, M; and Wigand, C. Ribbed Mussel Nitrogen Isotope Signatures Reflect Nitrogen Sources in Coastal Marshes. Published in: Ecological Applications 11 (1):203-214 (2001), AED-99-2124.
AED	JOURNAL	2-May-00	Najjar, R; Walker, H; Anderson, PJ; Barron, EJ; Bord, RJ; Gibson, JR; Kennedy, VS; Knight, CG; Megonigal, P.; O'Connor, RE; Polsky, CD; Psuty, NP; Richards, BA; Sorenson, LG; Steele, EM; and Swanson, RS. The Potential Impacts of Climate Change on the Mid-Atlantic Coastal Region. Published in: Climate Research 14:219-233 (2000), AED-99-2125.

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AED	JOURNAL	2-May-00	Neff, R; Chang, H; Knight, CG; Najjar, R; Yarnal, B; and Walker, H. Impact of Climate Variation and Change on Mid-Atlantic Region Hydrology and Water Resources. Published in: Climate Research 14:207-218 (2000), AED-99-2130.
AED	JOURNAL	1-Feb-01	Boothman, WS; Hansen, DJ; Berry, WJ; Robson, D; Helmstetter, A; Corbin, J; and Pratt, S. Biological Response to Variation of Acid-Volatile Sulfides and Metals in Field-Exposed Spiked Sediments. Published in: Environmental Toxicology and Chemistry 20 (2):264-272 (2001), AED-99-2132.
AED	JOURNAL	1-Sep-00	Hale, SS; and Buffum, H. Designing Environmental Monitoring Databases for Statistical Analyses. Published in: Environmental Monitoring and Assessment 64 (1):55-68 (2000), AED-99-2133.
AED	JOURNAL	1-Jul-00	Bradley, M; Brown, BS; Galloway, WB; Hale, SS; Kutz, R; Landy; and Shedlock, R. Summary of the MAIA Conference. Published in: Journal of Environmental Monitoring and Assessment 63:15-29 (2000), AED-99-2151.
AED	JOURNAL	1-Jul-00	Bradley, MP; and Landy, RB. The Mid-Atlantic Integrated Assessment. Published in: Environmental Monitoring and Assessment 63:1-13 (2000), AED-99-2152.
AED	JOURNAL	1-Mar-01	Campbell, DE. An Energy Systems Perspective Of Ecological Integrity And Ecosystem Health. Published in: Ecosystem Health: (2001), AED-99-2161.
AED	JOURNAL	1-Nov-00	Ho, KT; Kuhn-Hines, A; Pelletier, MC; McGee, F; Burgess, RM; and Serbst, JR. Sediment Toxicity Assessment: Comparison of Standard and New Testing Designs. Published in: Archives of Environmental Contamination and Toxicology 39 (4):462-468 (2000), AED-99-2166.
AED	JOURNAL	1-Mar-00	Maxted, JR; Barbour, MT; Gerritsen, J; Poretti, V; Primrose, N.; Silvia, A; Penrose, D; and Renfrow, R. Assessment Framework for Mid-Atlantic Coastal Plain Streams Using Benthic Macro Invertebrates. Published in: Journal of North American Benthological Society 19 (1):128-144 (2000), AED-99-X255.
AED	MANUAL/HNDBK	1-Jun-00	Berry, WJ; Hansen, DJ; Di Toro, DM; DeRosa, LD; Bell, HE; Reiley, MC; Stancil, Jr, FE; Zarba, CS; and Spehar, RL. Equilibrium partitioning sediment guidelines (ESGs) for the protection of benthic organisms: Dieldrin, EPA/822/R-00/003. U.S. Environmental Protection Agency, 2000, MED-00-3703.

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AED	MANUAL/HNDBK	1-Jun-00	Berry, WJ; Hansen, DJ; Di Toro, DM; De Rosa, LD; Bell, HE; Reiley, MC; Stancil, Jr, FE; Zarba, CS; and Spehar, RL. Equilibrium partitioning sediment guidelines (ESGs) for the protection of benthic organisms: Endrin, EPA/822/R-00/004. U.S. Environmental Protection Agency, 2000, MED-00-3704.
AED	PROJ RPT/SUM	1-Oct-99	Paul, JF; Gentile, J; Scott, K; Schimmel, SC; Campbell, DE; and Latimer, JS. EMAP-Virginian Province Four Year Assessment (1990-1993), EPA/620/R-99/004. Washington, DC: USEPA Office of Research and Development, AED-99-1837.
AED	PROJ RPT/SUM	1-Jul-00	Paul, JF; Melzian, BD; Brown, BS; Strobel, CJ; Kiddon, JA; Latimer, JS; Campbell, DE; and Cobb, DJ. MAIA Project Summary: Condition of the Mid-Atlantic Estuaries, EPA/600/SR-98/147. 6pp, Washington, DC: US EPA Office of Research and Development, 2000, 6pp, AED-99-2150.
AED	PUB REPORT	6-Jun-00	Boward, D.; Kazyak, P.; Stranko, S.; Hurd, M.; and Prochaska, A. From the Mountains to the Sea: The State of Maryland's Freshwater Streams, EPA/903/R-99/023. U.S. Environmental Protection Agency, AED-98-2075.
AED	SYMPOS/CONF	25-Apr-00	Bolton, DW; Pheiffer, T.H.; and Grace, JW. "Radium in Maryland Coastal Plain Ground Water: An Emerging Issue Resulting from a Multi-Agency Study of Carcingens in Well Water." The Proceedings of the National Water Quality Monitoring Council's National Monitoring Conference 2000, Monitoring for the Millennium, Austin, TX, April 25, 2000, 495-508, AED-00-060.
AED	SYMPOS/CONF	1-Jul-00	Galloway, WB; Pesch, GG; Smith, WK; Morneault, PJ; and Barchard, WW. "What's the C in CBEP." Proceedings of the 6th Annual National Watershed Coalition Conference "Getting the Job Done at the Ground Level (Supporting Local Decision Making), Austin, TX, 5/16/99, Austin, TX, May 16-19, 1999, 203-216, AED-99-2139.

DIV	TYPE	PUBL	CITATION
<b>Environmental Carcinogenesis Division (ECD)</b>			
ECD	BOOK/CHAPTER	20-May-00	Barratt, MD; Richard, A; and Benigni, R. "Predictng Toxicity from Chemical Structure." Published in: Progress in the Reduction, Refinement & Replacement of Animal Experimentation, M. Balls, A.-M. vanZeller & M.E. Halder (Ed.), Elsevier Science B.V., 2000, ECD-00-037.
ECD	BOOK/CHAPTER	1-Apr-00	White, PA ; DeMarini, DM. "Water-Borne Mutagens." Published in: Environmental Medicine, L Moller (Ed.), Stockholm, Sweden: Karolinska Institute, 2000, 102-122, MS-97-116.
ECD	BOOK/CHAPTER	1-Jun-00	Richard, AM ; Bruce, R ; Greenberg, M. "SAR Methods Applied to Chemical Toxicity: Making Better Use of What We Have." Published in: Progress in the Reduction, Refinement, and Replacement of Animal Experimentation, M Balls, AM van Zeller & ME Halder (Ed.), 2000, 457-468, MS-99-248.
ECD	JOURNAL	20-Dec-00	Gil, L; King, LC; and Adonis, M. Trends of Polycyclic Aromatic Hydrocarbon Levels and Mutagenicity in Santiago's Inhalable Airborne Particles in the Period 1992-1996. Published in: Inhalation Toxicology 12:1185-1204 (2000), ECD-00-001.
ECD	JOURNAL	16-Dec-00	Nesnow, S; Davis, CR; Desai, D; and Amin, S. Evaluation of Benzo[c]chrysene Dihydrodiols in the Morphological Cell Transformation of Mouse Embryo Fibroblast C3H10T1/2CL8 Cells. Published in: Polycyclic Aromatic Compounds 21:203-213 (2001), ECD-00-002.
ECD	JOURNAL	16-Dec-00	Crosby, LM; Hyder, KS; DeAngelo, AB; Kepler, TA; Gaskill, B; Benavides, GR; Yoon, L; and Morgan, KT. Morphologic analysis correlates with gene expression changes in cultured F344 rat mesothelial cells. Published in: Toxicology and Applied Pharmacology 169:205-221 (2001), ECD-00-010.
ECD	JOURNAL	25-Jan-01	George, SE; Huggins-Clark, G; and Brooks, LR. Use of Salmonella Microsuspension Bioassay to Detect the Mutgenicity of Munitions Compounds at Low Concentrations. Published in: Mutation Research 490 (1):45-56 (2000), ECD-00-020.



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ECD	JOURNAL	5-Oct-00	Padgett, WT; Davis, CR; Lambert, GR; Nelson, GB; Ross, JA; Yacopucci, M; and Nesnow, S. Biotransformation of Trans-4,5-Dihydroxy-4,5-Dihydrobenzo[a]pyrene to Benzo[a]pyrene-bis-diols and DNA Adducts by Induced Rat Liver Microsomes. Published in: Chemical Research in Toxicology 13 (11):1125-1134 (2001), ECD-00-025.
ECD	JOURNAL	20-Dec-00	DeMarini, DM; Shelton, ML; Kohan, MJ; Hudgens, E.E.; Kleindienst, TE; Ball, LM; Walsh, DB; de Boer, JG; Lewis-Bevan, L; Rabinowitz, JR; Claxton, LD; and Lewtas, J. Mutagenicity in lung of big blue ((R) mice and induction of tandem-base substitutions in salmonella by the air pollutant peroxyacetyl nitrate (PAN): predicted formation of intrastrand cross-links. Published in: Mutation Research 457 (1-2):41-55 (2000), ECD-00-034.
ECD	JOURNAL	1-Dec-00	DeAngelo, AB. Response to: "Epigenetic mechanisms of chemical carcinogenesis" by James E. Klaunig, Lisa M. Kamendulis, and Xu Yong. Published in: Human and Experimental Toxicology 19:1-2 (2000), ECD-00-051.
ECD	JOURNAL	12-Dec-00	Preston, RJ. Response to Klaunig, J.E. et al, Epigenetic mechanisms of chemical carcinogenesis. Published in: Human and Experimental Toxicology 19:569-570 (2000), ECD-01-038.
ECD	JOURNAL	20-May-00	Nesnow, S; Davis, CR; Padgett, WT; Adams, LD; Yacopucci, M; and King, LC. 8,9-Dihydroxy-8,9-Dihydrodibenzo[a,l]pyrene is a Potent Morphological Cell-Transforming Agent in C3H10T1/2C18 Mouse Embryo Fibroblasts in the Absence of Detectable Stable Covalent DNA Adducts. Published in: Carcinogenesis 21 (6):1253-1257 (2000), MS-00-003.
ECD	JOURNAL	16-Feb-00	Kligerman, AD; Doerr, CL; Tennant, AH; and Zucker, RM. Cytogenetic Studies of Three Triazine Herbicides I. In Vitro Studies. Published in: Mutation Research 465 (1-2):53-59 (2000), MS-00-012.
ECD	JOURNAL	1-Jun-00	DeMarini, DM. Influence of DNA Repair on Mutation Spectra in Salmonella. Published in: Mutation Research 450 (1-2):5-17 (2000), MS-00-015.
ECD	JOURNAL	1-Apr-00	Moore, MM; Honma, M; Clements, J; Awogi, T; Bolcsfold, G; Cole, J; Gollapudi, B; Brock, KH; Mitchell, A; Muster, W; Myhr, B; O'Donovan, M; Ouldelhkim, M; San, R; Shimada, H; and Stankowski, L. Mouse Lymphoma Thymidine Kinase Locus Gene Mutation Assay: International Workshop on Genotoxicity Test Procedures Workgroup Report. Published in: Environmental and Molecular Mutagenesis 35 (3):185-190, MS-00-022.

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ECD	JOURNAL	11-May-00	George, SE; Nelson, GM; Swank, AE; Brooks, LR; Bailey, KC; George, MH; and DeAngelo, AB. The Disinfection By-Products Dichloro-, Dibromo, and Bromochloroacetic Acid Impact Intestinal Microflora and Metabolism in Fischer 344 Rats upon Exposure in Drinking Water. Published in: Toxicological Sciences 56:282-289 (2000), MS-00-046.
ECD	JOURNAL	15-Oct-00	Ahmad, S; Kitchin, KT; and Cullen, WR. Arsenic species that cause release of iron from ferritin and generation of activated oxygen. Published in: Archives of Biochemistry and Biophysics 382 (2):195-202 (2000), MS-00-050.
ECD	JOURNAL	25-Sep-00	Allen, JW; Collins, BW; Lori, A; Afshari, A; George, MH; DeAngelo, AB; Fuscoe, JC; and Lori, A. Erythrocyte and Spermatid Micronucleus Analyses in Mice Chronically Exposed to Potassium Bromate in Drinking Water. Published in: Environmental and Molecular Mutagenesis (36):250-253 (2000), MS-00-065.
ECD	JOURNAL	14-Feb-01	Blackman, CF ; Benane, SG ; House, DE. The influence of 1.2 uT, 60 Hz magnetic fields on melatonin- and tamoxifen-induced inhibition of MCF-7 cell growth. Published in: Bioelectromagnetics 22 (2):122-128 (1998), MS-98-171.
ECD	JOURNAL	1-May-00	Moore, MM; and Harrington-Brock, K. Mutagenicity of trichloroethylene and its metabolites: Implications for the risk assessment of trichloroethylene. Published in: Environmental Health Perspectives 108 (Sup 2):215-223, MS-99-047.
ECD	JOURNAL	19-Oct-99	Landi, S ; Hanley, NM ; Kligerman, AD ; DeMarini, DM , Induction of sister chromatid exchanges in human peripheral blood lymphocytes by Bromoform: Investigation of the role of GSTT1-1 polymorphism . Mutation Research, 429(2): 261-267, October 1999, MS-99-082.
ECD	JOURNAL	19-Oct-99	Ohe, T ; Shaughnessy, DT ; Landi, S ; Terao, Y ; Sawanishi, H ; Nukaya, H ; Wakabayashi, K ; DeMarini, DM , Mutation spectra in salmonella TA98, TA100, and TA104 of two phenylbenzotriazole mutagens (PBTA-1 and PBTA-2) detected in the Nishitakase River in Kyoto, Japan . Mutation Research, 429(2): 189-198, October 1999, MS-99-099.
ECD	JOURNAL	1-May-00	Crosby, LM; Morgan, KT; Gaskill, B; Wolf, DC; and DeAngelo, AB. Origin and distribution of potassium bromate-induced mesotheliomas. Published in: Toxicologic Pathology 28 (2):253-266, MS-99-103.

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ECD	JOURNAL	17-Dec-99	Brock, KH; Cabrera, M; Collard, DD; Doerr, CL; McConnell, R; Moore, MM; Sandoval, H; and Fuscoe, JC. Effects of arsenic exposure on the frequency of HPRT-mutant lymphocytes in a population of copper roasters in Antofagasta, Chile: A pilot study. Published in: Mutation Research 431 (2):247-257, MS-99-125.
ECD	JOURNAL	17-Dec-99	Scheerer, JB; Xi, L; Knapp, GW; Setzer, RW; Bigbee, WL; and Fuscoe, JC. Quantification of illegitimate V(D)J recombinase-mediated mutations in lymphocytes of newborns and adults. Published in: Mutation Research 431 (2):291-303, MS-99-148.
ECD	JOURNAL	1-Dec-00	George, SE ; Nelson, GM ; Boyd, C ; Kohan, MJ ; Brooks, LR. Survival of environmental microbial agents in CD-1 mice following oral exposure. Published in: Microbial Ecology in Health and Disease (12):92-98 (2001), MS-99-153.
ECD	JOURNAL	1-Apr-00	Hard, GC; Boorman, GA; and Wolf, DC. Re-evaluation of the 2-year chloroform drinking water carcinogenicity bioassay in Osborne-Mendel rats supports chronic renal tubule injury as the mode of action underlying the renal tumor response. Published in: Toxicological Sciences 53 (2):237-244 (2000), MS-99-198.
ECD	JOURNAL	1-Mar-00	Shaughnessy, DT; Ohe, T; Landi, S; Warren, SH; Richard, AM; Munter, T; Franzen, R; Kronberg, L; and DeMarini, DM. Mutation spectra of the drinking water mutagen 3-chloro-4-methyl-5-hydroxy-2(5H)-furanone (MCF) in salmonella TA100 and TA104: Comparison to MX. Published in: Mutation Research 35 (2):106-113, MS-99-219.
ECD	JOURNAL	26-Jul-00	DeMarini, DM; Landi, S; Ohe, T; Shaughnessy, DT; Richard, A; Franzen, R; and Richard, AM. Mutation spectra in salmonella of analogues of MX: implications of chemical structure for mutational mechanisms. Published in: Mutation Research (453):51-65 (2000), MS-99-227.
ECD	JOURNAL	1-Jul-00	Bordelon, N; Donnelly, KC; King, LC; Wolf, DC; Reeves, WR; and George, SE. Bioavailability of the genotoxic components in coal tar contaminated soils in Fischer 344 rats. Published in: Toxicological Sciences 56 (1):37-48, MS-99-247.
ECD	JOURNAL	15-Feb-00	Wolf, DC; Goldsworthy, TL; Janszen, D; Harden, R; Donner, M; David, CS; and Everitt, JI. Promotion by sodium barbital induces early development but does not increase multiplicity of hereditary renal tumors in Eker rats. Published in: Carcinogenesis 21 (8):1553-1558 (2000), MS-99-249.

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ECD	SYMPOS/CONF	25-Jul-00	Ross, JA. "Cyclopenta-Fused Polycyclic Aromatic Hydrocarbons in Strain A/J Mouse Lung: DNA Adducts, Oncogene Mutations, & Tumorigenesis." Paper presented at: 3rd Int'l Mouse Lung Tumorigenesis Symposium, Toledo, Ohio, June 17, 2000

DIV	TYPE	PUBL	CITATION
<b>Environmental Toxicology Division (ETD)</b>			
ETD	JOURNAL	1-Sep-00	Costa, DL. Particulate Matter and Cardiopulmonary Health: A Perspective. Published in: Inhalation Toxicology 12 (Sup 3):35-44 (2000), ETD-00-004.
ETD	JOURNAL	20-May-00	Musante, CJ; and Martonen, TB. Computer Simulations of Particle Deposition in the Developing Human Lung. Published in: Air & Waste: Journal of the Air & Waste Management Association 50:1426-1432 (2000), ETD-00-006.
ETD	JOURNAL	1-Jun-00	Birnbaum, LS; Fiedler, H; Hutzinger, O; Louw, I; Needham, L.; and Vetter, W. Halogenated Environmental Organic Pollutants - Dioxin 98. Published in: Chemosphere 40 (9-11): (2000), ETD-00-016.
ETD	JOURNAL	1-Apr-00	Birnbaum, LS; and Tuomisto, J. Non-Carcinogenic Effects of TCDD in Animals. Published in: Food Additives and Contaminants 17 (4):275-288 (2000), ETD-00-018.
ETD	JOURNAL	1-Sep-00	Dreher, KL. Particulate Matter Physicochemistry and Toxicology: "In Search of Causality - A Critical Perspective". Published in: Inhalation Toxicology 12 (Sup 3):45-57 (2000), ETD-00-064.
ETD	JOURNAL	1-Dec-00	Sailstad, DM; Boykin, EH; Slade, R; Doefler, D; and Selgrade, MJK. The Effect of Vitamin A Acetate Diet on Ultraviolet Radiation Induced Immune Suppression as Measured by Contact Hypersensitivity in Mice. Published in: Photochemistry and Photobiology 72 (6):766-771 (2000), ETD-00-080.
ETD	JOURNAL	20-Feb-01	Kenyon, EM; and Hughes, MF. A Concise Review of the Toxicity and Carcinogenicity of Dimethylarsinic Acid. Published in: Toxicology 160:227-236 (2001), ETD-01-054.
ETD	JOURNAL	1-Sep-00	Selgrade, MJK; Lambert, AL; Ward, MDW; and Gilmour, MI. Animal Models to Assess the Effects of Air Pollutants on Allergic Lung Disease. Published in: Annals of the New York Academy of Sciences 919:230-238 (2000), MS-00-002.
ETD	JOURNAL	1-Jul-00	McKinney, JD; Richard, A; Waller, C; Newman, M; and Gerberick, F. The practice of structure activity relationships (SAR) in toxicology. Published in: Toxicological Sciences 56:8-17 (2000), MS-00-053.
ETD	JOURNAL	1-Oct-99	Keil, DE; Luebke, RW; Ensley, M; Pruett, SB; and Gerard, PD. Evaluation of Multivariate Statistical Methods for Analysis and Modeling of Immunotoxicology Data. Published in: Toxicological Sciences 51 (2):245-258 (1999), MS-97-029.

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ETD	JOURNAL	20-Jan-00	Guan, X ; Martonen, TB. Flow Transition in Bends and Applications to Airways. Published in: Journal of Aerosol Science 31 (7):833-847 (2000), MS-97-050.
ETD	JOURNAL	19-Dec-99	Birnbaum, LS ; Culpepper, BT. Research integrity: A government perspective. Published in: Quality Assurance 7:217-224, MS-99-001.
ETD	JOURNAL	1-Nov-99	Dye, JA ; Madden, MC ; Richards, JH ; Lehmann, JR ; Devlin, RB ; Costa, DL , Ozone effects on airway responsiveness, lung injury, and inflammation: Comparative rat strain and In Vivo/In Vitro investigations . Inhalation Toxicology, 11(11): 1015-1040, November 1999, MS-99-034.
ETD	JOURNAL	1-Apr-00	Watkinson, WP; Dreher, KL; Su, W-Y; Kodavanti, UP; Highfill, JW; Costa, DL; and Campen, MJ. Thermoregulatory effects following exposure to particulate matter in healthy and cardiopulmonary-compromised rats. Published in: Journal of Thermal Biology 25:131-137, MS-99-052.
ETD	JOURNAL	1-Oct-99	Cooper, GS ; Germolec, DR ; Heindel, JJ ; Selgrade, MJK , Linking environmental agents and autoimmune diseases: Introduction . Environmental Health Perspectives, 107(5): 659-660, October 1999, MS-99-061.
ETD	JOURNAL	1-Oct-99	Selgrade, MJK ; Cooper, GS ; Germolec, DR ; Heindel, JJ , Linking environmental agents and autoimmune disease: An agenda for future research . Environmental Health Perspectives, 107(5): 811-813, October 1999, MS-99-062.
ETD	JOURNAL	20-Sep-00	Gavett, SH ; Madison, SL ; Scarborough, PE ; Qu, W ; Boyle, JE ; Chulada, PC ; Tiano, HF ; Lee, CA ; Langenbach, R. Allergic lung responses are increased in prostaglandin H synthase deficient mice. Published in: Journal of Clinical Investigation 104 (6): (1999), MS-99-124.
ETD	JOURNAL	1-Nov-99	Santostefano, MJ ; Richardson, VM ; Walker, NJ ; Blanton, J ; Lindros, KO ; Lucier, GW ; Alcasey, SK ; Birnbaum, LS , Dose-dependent localization of TCDD in isolated centrilobular and periportal hepatocytes . Toxicological Sciences, 52(1): 9-19, November 1999, MS-99-127.
ETD	JOURNAL	1-Jan-00	Kodavanti, UP; Mebane, R; Ledbetter, AD; Krantz, T; Walsh, LC; Hilliard, H; Jackson, M; Richards, J; Chen, B; and Costa, DL. Variable pulmonary responses from exposure to concentrated ambient air particles in a rat model of bronchitis. Published in: Journal of Toxicological Sciences 54:441-451 (2000), MS-99-207.
ETD	JOURNAL	1-Dec-00	Wiestner, MJ ; Winsett, DW ; Richards, JR ; Jackson, MC ; Crissman, KM ; Costa, DL. Ozone adaptation in mice and its association with ascorbic acid in the lung. Published in: Inhalation Toxicology 12:577-590 (2000), MS-99-212.

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ETD	JOURNAL	20-Jul-00	Kadliiska, MB ; Gladen, BC ; Baird, DD ; Hatch, GE ; Jones, DP ; Mason, RP ; Barrett, JC. Biomarkers of oxidative stress study. I. Are plasma antioxidants markers OFCCI4 poisoning?. Published in: Free Radicals Biology and Medicine 28 (6):838-845 (2000), MS-99-213.
ETD	JOURNAL	20-Dec-00	Evans, MV ; Andersen, ME. Sensitivity analysis of a physiological model for 2,3,7,8-tetrachlorodibenzo-P-dioxin (TCDD): Assessing the impact of specific model parameters on sequestration in liver and fat in the rat. Published in: Toxicological Sciences 54:71-80 (2000), MS-99-216.
ETD	JOURNAL	20-Feb-00	Su, W-Y ; Jaskot, RH ; Richards, J ; Abramson, SR ; Woessner, FJ ; Yu, W-H ; Dreher, KL. Induction of pulmonary matrix metalloproteinase expression by combustion and ambient air particles. Published in: American Journal of Physiology, Lung, and Cellular and Molecular Physiology 279:L152-L160 (2000), MS-99-217.
ETD	JOURNAL	20-Mar-00	Wang, X ; Santostefano, MJ ; DeVito, MJ ; Birnbaum, LS. Extrapolation of PBPK model for dioxin across dosage regimen , gender strain and species. Published in: Toxicological Sciences 56:49-60 (2000), MS-99-226.
ETD	JOURNAL	20-Jan-00	Slezak, BP ; Hatch, GE ; DeVito, MJ ; Diliberto, JJ ; Slade, R ; Crissman, K ; Birnbaum, LS. Oxidative stress in female B6C3F1 mice following acute and subchronic exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). Published in: Toxicological Sciences 54:390-398 (2000), MS-99-229.
ETD	JOURNAL	20-Jun-00	Costa, DL ; Gordon, T ; Lanza, AJ. Mary O. Amdur, Ph.D. A renaissance woman and toxicologist. Published in: Toxicological Sciences 56:5-7 (2000), MS-99-237.
ETD	JOURNAL	22-Oct-99	Slezak, BP ; Diliberto, JJ ; Birnbaum, LS , 2,3,7,8-Tetrachlorodibenzo-p-dioxin-mediated oxidative stress in CYP1A2 knockout (CYP1A2 <sup>-/-</sup> ) mice . Biochemical and Biophysical Research Communications, 264(2): 376-379, October 1999, MS-99-238.
ETD	JOURNAL	20-Feb-01	Kenyon, EM; Fea, M; Styblo, M; and Evans, MV. Application of Modeling Techniques to the Planning of In Vitro Arsenic Pharmacokinetic Studies. Published in: Alternatives to Laboratory Animals 29:15-33 (2000), etd-00-025.
ETD	JOURNAL	5-May-00	Yu, KO; Barton, H; Mahle, DA; and Frazier, JM. In vivo Kinetics of Trichloroacetate in Male Fisher 344 Rats. Published in: Toxicological Sciences 54:301-311 (2000), etd-00-056.

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ETD	JOURNAL	20-May-00	Wang, X; Santostefano, MJ; DeVito, MJ; and Birnbaum, LS. Extrapolation of a PBPK Model for Dioxin Across Dosage, Regimens, Genders, Strains and Species. Published in: Toxicological Sciences 56:49-60 (2000), etd-00-058.
ETD	SYMPOS/CONF	20-May-00	Kodavanti, UP ; Jackson, M ; Ledbetter, A ; Starcher, B ; Evansky, P ; Harewood, A ; Winsett, D ; Costa, DL. "The combination of elastase and sulfur dioxide exposure causes COPD-like lesions in the rat." Aspen Lung Conf: "Mechanisms of COPD", June 2-5, 1999, 2000, 299S-302S, MS-99-203.
ETD	SYMPOS/CONF	1-Dec-00	Nadadur, S; Schladweiler, MCJ; and Kodavanti, UP. "A Pulmonary Rat Gene Array for Screening Altered Expression Profiles in Air Pollution- induced Lung Injury." Third Colloquium on Particulate Matter and Human Health, June 1999, Taylor & Francis, 2000, 101-116, MS-99-223.



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<b>Gulf Ecology Division (GED)</b>			
GED	JOURNAL	5-Jun-00	Lewis, M.A.; and Foss, SS. Caribbean Grass Shrimp ( <i>Palaemonetes pugio</i> Holthius) as an Indicator of Sediment Quality in Florida Coastal Areas Affected by Point and Non-Point Source Contamination. Published in: <i>Environmental Toxicology</i> 15 (3):234-242 (2000), GED-00-1069.
GED	JOURNAL	6-Jun-00	Curtis, LR; Hemmer, MJ; and Courtney, LA. Dieldrin Induces Cytosolic 7,12-[3H-Dimethylbenz[a]anthracene Binding but not Multidrug Resistance Proteins in Rainbow Trout Liver. Published in: <i>Journal of Toxicology and Environmental Health</i> 60 (4):275-289 (2000), GED-00-1082.
GED	JOURNAL	23-May-00	Nates, SF; and McKenney, Jr, CL. Growth and Variations in Lipid Class and Fatty Acid Composition During Larval Development of the Stone Crab, <i>Menippe adina</i> Williams and Felder, 1986.
GED	JOURNAL	21-Nov-00	Fisher, WS; Oliver, LM; Winstead, JT; and Long, ER. Survey of Oysters <i>Crassostrea virginica</i> from Tampa Bay, Florida: Associations of Internal Defense Measurements with Contaminant Burdens. Submitted to: <i>Aquatic Toxicology</i> , GED-00-1090.
GED	JOURNAL	6-Jun-00	Eaton, RW. trans-o-Hydroxybenzylidennepyruvate Hydratase-Aldolase as Biocatalyst. Published in: <i>Applied and Environmental Microbiology</i> 66 (6):2668-2672 (2000), GED-00-1095.
GED	JOURNAL	8-Aug-00	Stahl, Jr, Ralph G; Orme-Zavaleta, J; Austin, K; Berry, WJ; Clark, JR; Cormier, SM; Fisher, WS; Garber, JH; Hoke, R; Jackson, LE; Kreamer, GL; Muska, C; and Sierszen, M. Ecological Indicators in Risk Assessment: Workshop Summary. Published in: <i>Human and Ecological Risk Assessment</i> 6 (4):671-677 (2000), GED-00-1097.
GED	JOURNAL	5-May-00	Burger, J; Gochfeld, M.; Rooney, A.A.; Orlando, EF; Guillette, LJ, Jr.; and Woodward, A. Metals and Metalloids in Tissues of American Alligators in Three Florida Lakes. Published in: <i>Archives Of Contamination And Toxicology</i> 38 (4):501-508 (2000), GED-00-X961.
GED	JOURNAL	3-Mar-00	Salata, G.G.; Roelke, LA; and Cifuentes, LA. Rapid and Precise Method for Measuring Stable Carbon Isotope Ratios of Dissolved Inorganic Carbon. Published in: <i>Marine Chemistry</i> 69 (1-2):153-161 (2000), GED-00-X970.

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GED	JOURNAL	3-Mar-00	Sandvik, S.L. Holder; Bilski, P.; Pakulski, JD; Chignell, C.F.; and Coffin, RB. Photogeneration of Singlet Oxygen and Free Radicals in Dissolved Organic Matter Isolated from the Mississippi and Atchafalaya River Plumes. Published in: Marine Chemistry 69 (1-2):139-152 (2000), GED-00-X971.
GED	JOURNAL	7-Jul-00	Benson, WH; Metcalfe, C; and Foran, CF. Gonadal Development and Endocrine Responses in Japanese Medaka ( <i>Oryzias latipes</i> ) Exposed to o,p'-DDT in Water or Through Maternal Transfer. Published in: Environmental Toxicology and Chemistry 19 (7):1893-1900 (2000), GED-00-X974.
GED	JOURNAL	30-Dec-00	Steevens, JA; and Benson, WH. Toxicokinetic interactions and survival of <i>Hyalella azteca</i> exposed to binary mixtures of chlorpyrifos, dieldrin, and methyl mercury. Published in: Aquatic Toxicology 51:377-388 (2001), GED-01-2206.
GED	JOURNAL	30-Dec-00	Thompson, S.; Tilton, F; Schlenk, DK; and Benson, WH. Comparative vitellogenic responses in three teleost species: Extrapolation to in situ field studies. Published in: Marine Environmental Research 51:185-189 (2001), GED-01-2207.
GED	JOURNAL	30-Dec-00	Estrogenic and CYP1A response of mummichogs and sunshine bass to sewage effluent. Published in: Marine Environmental Research 50:175-179 (2001), GED-01-2208.
GED	JOURNAL	30-Dec-00	Steevens, JA; and Benson, WH. Interactions of chlorpyrifos and methyl mercury: A mechanistic approach to assess chemical mixtures. Published in: Marine Environmental Research 50:113-117 (2001), GED-01-2209.
GED	JOURNAL	30-Dec-00	Foran, C.M.; Bennett, ER; and Benson, WH. Developmental evaluation of a potential non-steroidal estrogen: Triclosan. Published in: Marine Environmental Research: (2001), GED-01-2210.
GED	JOURNAL	12-Dec-00	Foran, C.M.; Bennett, ER; and Benson, WH. Exposure to environmentally relevant concentrations of different nonylphenol formulations in Japanese medaka. Published in: Marine Environmental Research 50 (1-5):135-139 (2001), GED-01-2211.
GED	JOURNAL	1-Jan-01	Huggett, D.B.; Steevens, JA; Allgood, J.C.; Lutken, CB; Grace, CA; and Benson, WH. Mercury in Sediment and Fish from North Mississippi Lakes. Published in: Chemosphere 42 (8):923-929 (2001), GED-01-2212.

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GED	JOURNAL	12-Dec-00	Lewis, M.A.; Weber, DE; Goodman, LR; Stanley, R.S.; Craven, W.G.; Patrick, J.M.; Quarles, R.L.; Roush, T.H.; and Macauley, J.M. Periphyton and sediment bioassessment in North Florida Bay. Published in: Environmental Monitoring and Assessment 65 (3):503-522 (2001), GED-01-2214.
GED	JOURNAL	4-Apr-00	Weisberg, S.B., H.T. Wilson, D.G. Heimbuch, H.L. Windom and J.K. Summers. Submitted. Comparison of Sediment Metal-Aluminum Relationships Between the Eastern and Gulf Coasts of the United States. Environ. Sci. Technol. 28 p. (ERL,GB 976).
GED	JOURNAL	20-Sep-00	Rakocinski, CF; Brown, SS; Gaston, GR; Heard, RW; Walker, W.W.; and Summers, JK. Species-Abundance-Biomass Responses by Estuarine Macrobenthos to Sediment Chemical Contamination. Published in: Journal Of Aquatic Ecosystem Stress And Recovery 7 (3):201-214 (1998), GED-98-1053.
GED	JOURNAL	1-Nov-99	Oliver, Leah M. and William S. Fisher. 1999. Appraisal of Prospective Bivalve Immunomarkers. Biomarkers. 4(6):510-530. (ERL,GB 1045).
GED	JOURNAL	1-Dec-99	Flemer, David A., William L. Kruczynski, Barbara F. Ruth and Charles M. Bundrick. 1999. Relative Influence of Hypoxia, Anoxia, and Associated Environmental Factors as Determinants of Macrobenthic Community Structure in a Northern Gulf of Mexico Estuary. J. Aquat. Ecosyst. Stress Recovery. 6(4):311-328. (ERL,GB 1050).
GED	JOURNAL	1-Nov-99	Kusel, Kirsten, Holly C. Pinkart, Harold L. Drake and Richard Devereux. 1999. Acetogenic and Sulphate-Reducing Bacteria Inhabiting the Rhizoplane and Deep Cortex Cells of the Seagrass Halodule wrightii. Appl. Environ. Microbiol. 65(11):5117-5123. (ERL,GB 1064).
GED	JOURNAL	1-Nov-99	Fournie, John W., William E. Hawkins and William W. Walker. 1999. Proliferative Lesions in Swimbladder of Japanese Medaka Oryzias latipes and Guppy Poecilia reticulata. Dis. Aquat. Org. 38:135-142. (ERL,GB 1071).
GED	JOURNAL	1-Apr-00	Schoor, W.P., D.P. Middaugh and D.T. Marcovich. 2000. Effects of Aerially Applied Fenthion on Survival and Reproduction of the Panacea Sand Fiddler, Uca panacea, in Laboratory Habitats. Arch. Environ. Contam. Toxicol. 38(3):327-333. (ERL,GB 1072).

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GED	JOURNAL	6-Jun-00	Lores, E.M.; Pasko, EM; Patrick, JM; Quarles, RL; Campbell, J.G.; and Macauley, JM. Mapping and Monitoring of Submerged Aquatic Vegetation in Escambia-Pensacola Bay System, Florida. Published in: Gulf of Mexico Science 18 (1):1-14, GED-99-1073.
GED	JOURNAL	20-Jun-00	Fournie, JW; Vogelbein, WK; Overstreet, RM; and Hawkins, WE. LIFE CYCLE OF CALYPTOSPORA FUNDULI (APICOMPLEXA: CALYPTOSPORIDAE).
GED	JOURNAL	1-Oct-99	Lores, Emile M. and Jonathan R. Pennock. 1999. Bioavailability and Trophic Transfer of Humic-Bound Copper from Bacteria to Zooplankton. Mar. Ecol. Prog. Ser. 187:67-75. (ERL,GB 1085).
GED	JOURNAL	1-Nov-99	Vogelbein, W.K., J.W. Fournie, P.S. Cooper and P.A. Van Veld. 1999. Hepatoblastomas in the Mummichog, <i>Fundulus heteroclitus</i> (L.), from a Creosote-Contaminated Environment: a Histologic, Ultrastructural and Immunohistochemical Study. J. Fish Dis. 22(6):419-431. (ERL,GB 986).
GED	JOURNAL	10-Jan-00	Malaeb, ZA; Summers, JK; and Pugeseck, BH. Using Structural Equation Modeling to Investigate Relationships Among Ecological Variables.
GED	JOURNAL	1-Mar-00	Carr, R. Scott, Paul A. Montagna, James M. Biedenbach, Rick Kalke, Mahlon C. Kennicutt, Russell Hooten and Geraldine Cripe. 2000. Impact of Storm-Water Outfalls on Sediment Quality in Corpus Christi Bay, Texas, USA. Environ. Toxicol. Chem. 19(3):561-574. (ERL,GB X925).
GED	JOURNAL	1-Nov-99	Adams, G.G., P.L. Klerks, S.E. Belanger and D. Dantin. 1999. Effect of the Oil Dispersant Omni-Clean(R) on the Toxicity of Fuel Oil No. 2 in Two Bioassays with the Sheepshead Minnow <i>Cyprinodon variegatus</i> . Chemosphere.(12):2141-2157. (ERL,GB X935).
GED	JOURNAL	1-Nov-99	Goessner, Anita S., Richard Devereux, Nadja Ohnemueller, Georg Acker, Erko Stackebrandt and Harold L. Drake. 1999. <i>Thermicanus aegyptius</i> gen. nov., sp. nov., Isolated from Oxic Soil, a Fermentative Microaerophile That Grows Commensally with the Thermophilic Acetogen <i>Moorella thermoacetica</i> . Appl. Environ. Microbiol. 65(11):5124-5133. (ERL,GB X941).
GED	JOURNAL	1-Dec-99	Steevens, J.A., M. Slattery, D. Schlenk, A. Aryl and W.H. Benson. 1999. Effects of Ultraviolet-B Light and Polyaromatic Hydrocarbon Exposure on Sea Urchin Development and Bacterial Bioluminescence. Mar. Environ. Res. 48(4/5):439-457. (ERL,GB X947).

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GED	JOURNAL	1-Dec-99	Steevens, Jeffery A. and William H. Benson. 1999. Toxicological Interactions of Chlorpyrifos and Methyl Mercury in the Amphipod, <i>Hyalella azteca</i> . <i>Toxicol. Sci.</i> 52(2):168-177. (ERL,GB X952).
GED	JOURNAL	2-Feb-00	Martin, E.L.; Reinhardt, L.L.; Baum, L.L.; Becker, M.R.; Shaffer; and Kokjohn, TA. Effects of Ultraviolet Radiation on the Moderate Halophile <i>Halomonas elongata</i> and the Extreme Halophile <i>Halobacterium salinarum</i> . Published in: <i>Canadian Journal of Microbiology</i> 46 (2):180-187 (2000), GED-00-X956.
GED	JOURNAL	12-Dec-99	Coffin, RB; and Cifuentes, LA. Stable Isotope Analysis of Carbon Cycling in the Perdido Estuary, Florida. <i>Estuaries</i> .
GED	PUB REPORT	15-Nov-00	Summers, JK; Steyer, G; Decker, E.; Crocker, P.; Hill, F.; MacRae, G.; Brown; Thomas, J.; Simons, J.; Brock, D.; Carter, M.C.; and Johnston, J. A Framework for an Integrated and Comprehensive Monitoring Plan for the Estuaries of the Gulf of Mexico, 620/R-00/006. Gulf Breeze, FL: U.S. Environmental Protection Agency, 2001, GED-01-2187.
GED	PUB REPORT	5-Dec-99	Engle, Virginia D.;Macauley, John M.;Summers, J. Kevin;Bourgeois, Pete. Ecological Condition of Estuaries in the Gulf of Mexico, EPA620/R-98/004. 71 p., Gulf Ecology Division, Gulf Breeze, FL: U.S. Environmental Protection Agency, National Health and Environmental Effects Resea, 1999, 71 p., GED-99-1853.
GED	PUB REPORT	1-Nov-99	Dwyer, F. James;Hardesty, Douglas K.;Ingersoll, Christopher G.;Whites, David W.;Mount, David R.;Bridges, Christine M. Assessing Contaminant Sensitivity of Endangered and Threatened Species: Effluent Toxicity Tests, EPA/600/R-99/099. 9 p., Gulf Ecology Division, Gulf Breeze, FL: U.S. Environmental Protection Agency, National Health and Environmental Effects Resea, 1999, 9 p., GED-99-1985.
GED	RESEARCH RPT	1-Mar-00	Benson, William H., Jeffrey A. Steevens, David S. Block, James C. Allgood and M. Slattery. 2000. Chemical Mixtures: Consequences for Water Quality. Water Resources Research Institute, Mississippi State University, Mississippi State, MS. 39 p. (ERL,GB X955).

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<b>DIV</b>	<b>TYPE</b>	<b>PUBL</b>	<b>CITATION</b>
GED	SYMPOS/CONF	3-Aug-00	Greene, R.M.; Murrell, MC; Kurtz, JC; Stanley, RS; Genthner, FJ; and Walker, C.C. "High Brevetoxin Concentrations in Gymnodinium breve Blooms Along the Northwest Florida Coast During 1999." 54th Annual Meeting of the Phycological Society of America, San Diego, CA., 16-19 July 2000, 2000, 25S-26S, GED-00-R742.
GED	SYMPOS/CONF	3-Aug-00	Chapman, PJ; and Leblond, JD. "Sterols as Biomarkers in Gymnodinium breve Distribution in Dinoflagellates." 54th Annual Meeting of the Phycological Society of America, San Diego, CA, 16-19 July, 2000, 2000, 42s, GED-00-R743.
GED	SYMPOS/CONF	10-Oct-99	Cripe, CR; and Lepo, JE. "Biodegradation of Polycyclic Aromatic Hydrocarbons (PAH) from Crude Oil in Sandy-Beach Microcosms." Proceedings of the 8th International Symposium on Microbial Ecology, Halifax, Canada, August 9-14, 1998, C.R. Bell, M. Brylinsky, and P. Johnson-Green, (Ed.), Halifax, Canada: Atlantic Canada Society for Microbial Ecology, 1999, 747-757, GED-00-X926.

DIV	TYPE	PUBL	CITATION
<b>Human Studies Division (HSD)</b>			
HSD	EPA PROCEED	19-Oct-99	Mumford, JS ; Ma, H ; Xia, T ; Wu, K ; Sun, T , Human exposure to arsenic and health effects in Bayingnormen, Inner Mongolia . Proceeding paper for the 3rd Int'l. Conference on Arsenic Exposure and Health Effects, MS-99-030.
HSD	JOURNAL	1-Jun-00	Frost, F.J.; Muller, T.B.; Carraro, E.; Craun, G.; Gilli, G.; and Biorci, F. Serological Evidence of Cryptosporidium Infections in a Southern Europe. Published in: Epidemiology 16:385-390 (2000), HSD-00-006.
HSD	JOURNAL	20-Sep-00	Schreinemachers, DM. Cancer Mortality in Four Northern Wheat Producing States. Published in: Environmental Health Perspectives 108:873-881 (2000), HSD-00-019.
HSD	JOURNAL	30-Jun-00	Selevan, S.G.; Kimmel, CA; and Mendola, P. Identifying Critical Windows of Exposure for Children's Health. Published in: Environmental Health Perspectives 108 (3):451-456 (2000), HSD-00-020.
HSD	JOURNAL	1-Jun-00	Silbajoris, R; Ghio, AJ; Jaskot, R; Dreher, KL; Brighton, LE; and Samet, JM. In vivo and in vitro correlation of pulmonary map kinase activation following metallic exposure. Published in: Inhalation Toxicology 12 (6):453-468 (2000), MS-00-036.
HSD	JOURNAL	1-Nov-99	Monn, C; and Koren, HS. Bioaerosols in ambient air particulates. A review and research needs. Published in: Reviews on Environmental Health 14 (2):79-89, MS-98-202.
HSD	JOURNAL	1-Feb-00	Samet, JM; Ghio, AJ; Costa, DL; and Madden, MC. Increased expression of cyclooxygenase 2 mediates oil fly ash-induced lung injury. Published in: Experimental Lung Research 26 (1):57-69, MS-98-209.
HSD	JOURNAL	3-Nov-99	Comer, JK ; Cleinstreuer, C ; Hyun, S ; Kim, CS , Aerosol transport and deposition in sequentially bifurcating airways . SUBMITTED TO: Journal of Biomechanical Engineering, MS-98-227.
HSD	JOURNAL	20-Feb-00	Hilborn, ED ; Mshar, PA ; Florentino, T ; Dembeck, Z ; Barrett, T ; Cartter, ML , An outbreak of Escherichia coli 0157:H7 infections and hemolytic uremic syndrome associated with a single brand of unpasteurized apple cider . SUBMITTED TO: Epidemiology and Infection, MS-99-048.

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HSD	JOURNAL	1-May-00	Mondal, K; Haskill, S; and Becker, SE. Adhesion and pollution particle-induced oxidant generation is neither necessary nor sufficient for cytokine induction in human alveolar macrophages. Published in: American Journal of Respiratory Cell and Molecular Biology 22:200-208, MS-99-098.
HSD	JOURNAL	1-Nov-99	Wu, W ; Graves, LM ; Jaspers, I ; Devlin, RB ; Reed, W ; Samet, JM , Activation of the EGF receptor signaling pathway in human airway epithelial cells exposed to metals . American Journal of Physiology, Lung, and Cellular and Molecular Physiology, 277(5): L924-L931, November 1999, MS-99-106.
HSD	JOURNAL	20-Jan-00	Frost, FJ; Muller, TB; Weilsmann, A; Fairley, CK; Hurley, JS; Craun, GF; and Calderon, RL. Serological evaluation of cryptosporidium oocysts findings in the water supply of Sydney, Australia. Published in: Environmental Pharmacology Toxicology, MS-99-133.
HSD	JOURNAL	20-Feb-00	Frost, FJ; Muller, T; Craun, GF; Fraser, D; Davis-Burchat, L; Ewing, W; Thompson, D; Notenboom, R; and Calderon, RL. Serological analysis of cryptosporidiosis outbreak. Published in: International Journal of Epidemiology, MS-99-139.
HSD	JOURNAL	20-Jun-00	Lan, Q ; He, X ; Costa, DJ ; Tian, L ; Hu, G ; Mumford, JL , GSTM1 and GSTT1 genotypes and lung cancer risk associated with exposure to indoor coal emissions: A case-control study in Xuan Wei, China . SUBMITTED TO: Cancer Epidemiology, Biomarkers & Prevention, MS-99-156.
HSD	JOURNAL	19-Oct-99	Feng, Z ; Tian, D ; Lan, Q ; Mumford, JL , A sensitive immunofluorescence assay for detection of p53 protein accumulation in sputum . SUBMITTED TO: Anticancer Research, MS-99-157.
HSD	JOURNAL	20-Feb-00	St George, DM ; Wing, SB ; Lewis, DR , Geographic and temporal patterns of toxic chemical releases to the environment from manufacturing facilities in North Carolina . SUBMITTED TO: North Carolina Medical Journal, MS-99-162.
HSD	JOURNAL	20-Nov-00	Mortimer, KM ; Neas, LM ; Dockery, DW ; Tager, IB ; Redline, S , The effect of air pollution on inner-city children with asthma . SUBMITTED TO: Environmental Health Perspectives, MS-99-200.
HSD	JOURNAL	1-May-00	Soukup, JM; Ghio, AJ; and Becker, SE. Soluble components of Utah Valley particulate pollution alter alveolar macrophage function in vivo and in vitro. Published in: Inhalation Toxicology 12 (5):401-414, MS-99-205.



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HSD	JOURNAL	1-Jul-00	Buck, GM; Vena, JE; Schisterman, EF; Dmochowski, J; Mendola, P; Sever, LE; Fitzgerald, E; Kostyniak, P; Greizerstein, H; and Olson, J. Parental consumption of contaminated sport fish from Lake Ontario and predicted fecundability. Published in: Epidemiology 11 (4):388-393, MS-99-224.
HSD	JOURNAL	22-Oct-99	Jaspers, I ; Samet, JM ; Reed, W , Arsenite activates kB-dependent IL-8 gene expression in airway epithelium in the absence of nuclear translocation of NF-kB . SUBMITTED TO: Journal of Biological Chemistry, MS-99-242.
HSD	SYMPOS/CONF	19-Oct-99	Lewis, DR , Drinking water arsenic: The Millard County, Utah mortality study . Third Intl Conf on Arsenic Exposure & Health Effects, MS-99-119.

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<b>Immediate Office (IO)</b>			
IO	JOURNAL	1-Dec-00	O'Connell, TJ; Jackson, LE; and Brooks, RP. Bird Guilds As Indicators of Ecological Condition in the Central Appalachians. Published in: Ecological Applications 10 (6):1706-1721 (2000), MS-99-118.
IO	JOURNAL	1-Oct-00	Sandhu, SS; Melzian, BD; Long, E; Walton, BT; and Whitford, W. Monitoring ecological condition in the western United States. Proceedings of the 4th symposium on the Environmental Monitoring and Assessment Program. Published in: Environmental Monitoring and Assessment 64 (1): (2000), OD-00-007.
IO	GEN PUBLIC	1-Nov-00	Janes, DE; and Bercegeay, CS. National Health and Environmental Effects Research Laboratory Brochure - A Laboratory Overview, EPA/600/F-00-014. U.S. Environmental Protection Agency, OD-00-016.
IO	PUB REPORT	23-Jan-01	Bercegeay, CS; and Barnes-Miller, A. National Health and Environmental Effects Research Laboratory - An Annual Report of Accomplishments for Fiscal Year 2000, EPA/600/R-00-101. U.S. Environmental Protection Agency, OD-01-002.
IO	PUB REPORT	1-May-00	Jackson, LE; Kurtz, JC; and Fisher, WS. Evaluation Guidelines for Ecological Indicators, EPA/620/R-99-005. U.S. Environmental Protection Agency, 2000, MS-00-008.
IO	PUB REPORT	15-Jan-01	Jackson, LE; Kreissl*, J.F.; and Gaunt, Cary. Projecting Land-Use Change: A Summary of the Effects of Community Growth and Change on Land-Use Patterns, EPA/600/R-00/098. U.S. Environmental Protection Agency, OD-01-001.

DIV	TYPE	PUBL	CITATION
<b>Mid-Continent Ecology Division (MED)</b>			
MED	BOOK/CHAPTER	15-Nov-99	Fairbrother, Anne; Ankley, Gerald T; Birnbaum, Linda S; Bradbury, Steven P; Bettina Francis; L. Earl Gray; Hinton, David; Johnson, Lyndal L; Peterson, Richard E; Van Der Kraak, G. Reproductive and developmental toxicology of contaminants in oviparous animals. 1999, 3463.
MED	BOOK/CHAPTER	2-Jan-01	Glass, GE; Sorensen, JA; and Rapp, Jr, GR. "Methylmercury bioaccumulation dependence on northern pike age and size in twenty Minnesota lakes." Published in: ACS Symposium Series, American Chemical Society, 1999, 150-163, MED-01-3529.
MED	BOOK/CHAPTER	4-Jan-00	Matthiessen, P; Reynoldson, Trefor B; Billingham, Z; Brassard, D; Cameron, P; Chandler, GT; Davies, IM; Horiguchi, T; Mount, David R; Oehlmann, J; Pottinger, TG; Sibley, Paul K; Thompson, H; Vethaak, AD. "Chapter 4. Field monitoring for endocrine disruption in invertebrates." Published in: Proceedings book by SETAC on the Workshop on Endocrine Disruption in Invertebrates: Endocrinology, testing and assessment, held in Amsterdam in December 1998. pp.199-270., 2000, MED-99-3482.
MED	CONT/GRANTEE	31-Mar-00	Leff, Laura G. Interactions of introduced bacteria and aquatic invertebrates. U.S. Environmental Protection Agency, 2000, MED-00-3598.
MED	DATA	20-Jul-00	Korte, JJ; Jensen, KM; Kahl, MD; Makynen, EA; and Ankley, GT. Androgen receptor expression in fathead minnows. , MED-00-3693.
MED	DATA	20-Jul-00	Korte, JJ; Jensen, KM; Kahl, MD; Makynen, EA; and Ankley, GT. Aromatase expression in fathead minnows. , MED-00-3694.
MED	JOURNAL	1-Dec-99	Detenbeck, Naomi E; Galatowitsch, SM; Atkinson, J; Ball, H. Evaluating perturbations and developing restoration strategies for inland wetlands in the Great Lakes basin. Wetlands, 19:789-820, 3151.
MED	JOURNAL	15-Dec-99	Stoermer, AF; Kreis, Russell G; Andresen, NA. Checklist of diatoms from the Laurentian Great Lakes. Published in: Journal of Great Lakes Research 25 (3):515-566 (1999), 3335.

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MED	JOURNAL	7-Jan-00	Tietge, Joseph E; Ankley, Gerald T; DeFoe, David L; Holcombe, Gary W; Jensen, Kathleen M. Effects of water quality on development of <i>Xenopus laevis</i> : A FETAX assessment of surface water associated with malformations in native anurans. <i>Environmental Toxicology and Chemistry</i> CLR, 3521.
MED	JOURNAL	1-Nov-00	Wackernagel, M; and Yount, J.D. Footprints for sustainability: The next steps. Published in: <i>Environment, Development and Sustainability</i> 2:21-42, MED-00-3396.
MED	JOURNAL	15-Apr-00	Diamond, SA; Mount, DR; Burkhard, LP; Ankley, GT; Makynen, EA; and Leonard, EN. Effect of irradiance spectra on the photoinduced toxicity of three polycyclic aromatic hydrocarbons. Published in: <i>Environmental Toxicology and Chemistry</i> 19:1389-1396 (2000), MED-00-3411.
MED	JOURNAL	15-Sep-00	Knuth, Michael L; Heinis, Larry J; Anderson, Leroy E. Persistence and distribution of azinphos-methyl following application to littoral enclosure mesocosms. <i>Ecotoxicology and Environmental Safety</i> RCV 3459 20203
MED	JOURNAL	20-Mar-00	Korte, JJ; Kahl, JS; Jensen, KM; Pasha, MS; Parks, LG; LeBlanc, GA; and Ankley, GT. Fathead minnow vitellogenin: Complementary DNA sequence and messenger RNA and protein expression after 17 $\beta$ -estradiol treatment. Published in: <i>Environmental Toxicology and Chemistry</i> 19 (4):972-981 (2000), MED-00-3464.
MED	JOURNAL	15-Feb-00	Nalepa, TF; Hartson, DJ; Buchanan, J.; Cavaletto, J.F.; Lozano, SJ; and et al. Spatial Variation in density, mean size and physiological condition of the holarctic amphipod <i>Diporeia</i> spp. in Lake Michigan. Published in: <i>Freshwater Biology</i> 43:107-119 (2000), MED-00-3486.
MED	JOURNAL	15-Apr-00	Burkhard, LP; and Lukasewycz, MT. Some bioaccumulation factors and biota-sediment accumulation factors for polycyclic aromatic hydrocarbons in lake trout. Published in: <i>Environmental Toxicology and Chemistry</i> 19:1427-1429 (2000), MED-00-3497.
MED	JOURNAL	5-May-00	Trenham, PC; Shaffer, HB; Koenig, WD; and Stromberg, MR. Life History and demographic Variation in the California Tiger Salamander ( <i>Ambystoma Californiense</i> ). Published in: <i>Copeia</i> 2:365-377 (2000), MED-00-3504.
MED	JOURNAL	31-Jul-00	Bradbury, S.P.; Kamenska, V; Schmieder, PK; Ankley, GT; and Mekenyan, OG. A computationally based identification algorithm for estrogen receptor ligands: Part 2. Evaluation of a hER $\alpha$ binding affinity model. Published in: <i>Toxicological Sciences</i> 58:270-281 (2000), MED-00-3545.

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MED	JOURNAL	1-Mar-00	Hammermeister, Dean F;Serrano, Jose A;Schmieder, Patricia K;Kuehl, Douglas W. Characterization of dansylated cysteine, glutathione disulfide, cysteine and cystine by narrow bore liquid chromatography/electrospray ionization mass spectrometry. Published in: Rapid Communications in Mass Spectrometry 14:503-508 (2000), MED-00-3547.
MED	JOURNAL	10-Jun-00	Tapper, Mark A;Sheedy, Barbara R;Hammermeister, Dean E;Schmieder, Patricia K. Depletion of cellular protein thiols as an indicator of arylation in isolated trout hepatocytes exposed to 1,4-benzoquinone. Published in: Toxicological Sciences 55:327-334 (2000), MED-00-3554.
MED	JOURNAL	30-Jan-00	Pillard, DA; DuFresne, DL; Caudle, DD; Tietge, J.E.; and Evans, JM. Predicting the toxicity of major ions in seawater to mysid shrimp ( <i>Mysidopsis bahia</i> ), sheepshead minnow ( <i>Cyprinodon variegatus</i> ), and inland silverside minnow ( <i>Menidia beryllina</i> ). Published in: Environmental Toxicology and Chemistry 19 (1):183-191 (2000), MED-00-3586.
MED	JOURNAL	31-Jul-00	Mekenyan, OG; Kamenska, V; Schmieder, PK; Ankley, GT; and Bradbury, SP. A computationally-based identification algorithm for potential estrogen receptor ligands, Part II. An evaluation of a human receptor-based model. Published in: Toxicological Sciences 58:270-281, MED-00-3594.
MED	JOURNAL	1-May-00	Fairbrother, A.; and Bennett, R.S. Ecological risk assessment and the precautionary principle. Published in: Human and Ecological Risk Assessment 5 (5):943-949 (1999), MED-00-3601.
MED	JOURNAL	1-Mar-01	Angradi, T; Hagan, S.M.; and Able, K.W. Vegetation type and the intertidal macroinvertebrate fauna of a brackish marsh: Phragmites vs. Spartina. Published in: Wetlands 21 (1):75-92, MED-00-3605.
MED	JOURNAL	20-Feb-01	Marsh, DM; and Trenham, PC. Metapopulation dynamics and amphibian conservation. Published in: Conservation Biology 15 (1):40-49, MED-00-3607.
MED	JOURNAL	15-Sep-00	Degitz, SJ; Kosian, PA; Makynen, EA; Jensen, KM; and Ankley, GT. Stage-and species-specific developmental toxicity of all-trans retinoic acid in four native North American ranids and <i>Xenopus laevis</i> . Published in: Journal of Toxicological Sciences 57:264-274 (2000), MED-00-3623.
MED	JOURNAL	21-Oct-00	Burkhard, LP. Estimating dissolved organic carbon partition coefficients for nonionic organic chemicals. Published in: Environmental Science and Technology 34 (22):4663-4668, MED-00-3639.

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MED	JOURNAL	1-Feb-01	Jensen, KM; Korte, JJ; Kahl, MD; Pasha, MS; and Ankley, GT. Aspects of basic reproductive biology and endocrinology in the fathead minnow ( <i>Pimephales promelas</i> ). Published in: <i>Comparative Biochemistry and Physiology</i> C128:127-141 (2001), MED-00-3642.
MED	JOURNAL	15-Dec-00	Batterman, AR; Batterman, SL; Jensen, KM; and Whiteman, FW. Data quality objectives in environmental research planning. Published in: <i>Quality Assurance: Good Practice, Regulation, and Law</i> (7):181-194 (2000), MED-00-3687.
MED	JOURNAL	30-Sep-00	Stahl, Jr, Ralph G; Orme-Zavalet, J.; Austin; Berry, W.J.; Clark*, J.R.; Cormier, S.M.; Fisher, W; Garber, JH; Hoke; Jackson; Kreamer, GL; Muska, C; and Sierszen, ME. Ecological indicators in risk assessment: Workshop summary. Published in: <i>Journal of Human and Ecological Risk Assessment</i> 6 (4):671-677 (2000), MED-00-3692.
MED	JOURNAL	1-Aug-00	Schweiger, EW; Diffendorfer, JE; Hold, RD; Pierotti, R; and Gaines, MS. The interaction of habitat fragmentation, plant, and small mammal succession in an old field. Published in: <i>Ecology - Ecological Monographs</i> 70:383-400 (2000), MED-00-3711.
MED	JOURNAL	1-Oct-00	Stahl, Jr, Ralph G; Orme-Zavalet, J.; Austin; Berry, W.J.; Clark*, J.R.; Cormier, S.M.; Fisher, W; Garber, JH; Hoke; Jackson; Kreamer, GL; Muska, C; and Sierszen, ME. Ecological indicators in risk assessment workshop summary. Published in: <i>Journal of Human and Ecological Risk Assessment</i> , MED-01-3692.
MED	JOURNAL	15-Dec-00	Andresen, NA; Stoermer, AF; and Kreis, RG. New nomenclatural combinations referring to diatom taxa which occur in the Laurentian Great Lakes of North America. Published in: <i>Diatom Research</i> 15 (2):413-418, MED-01-3815.
MED	JOURNAL	20-Mar-00	Rossmann, Ronald. Horizontal and vertical distributions of mercury in 1983 Lake Superior sediments with estimates of mercury storage and flux. Published in: <i>Journal of Great Lakes Research</i> 25 (4):683-696 (2000), MED-97-3121.
MED	JOURNAL	15-Dec-99	Detenbeck, N.E.; Atkinson, J.; Galatowitsch, S.M.; and Ball, H. Evaluating perturbations and developing restoration strategies for inland wetlands in the Great Lakes basin. Published in: <i>Wetlands</i> , 19 (4):789-820 (1999), MED-97-3151.
MED	JOURNAL	19-Oct-99	Glass, Gary E; Sorensen, John A. Six-year trend (1990-1995) of wet mercury deposition in the upper Midwest, USA. Published in: <i>Environmental Science &amp; Technology</i> 33:3303-3312 (1999), MED-98-3097.

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MED	JOURNAL	1-Aug-00	Jackson, LJ;Trebitz, Anett S;Cottingham, KL. An introduction to the practice of ecological modeling. Published in: BioScience 30 (8):694-706 (2000), MED-98-3216.
MED	JOURNAL	1-Feb-00	Mount, David R;Hockett, J Russell. Use of toxicity identification evaluation methods to characterize identify, and confirm hexavalent chromium toxicity in an industrial effluent. Published in: Water Research 34:1379-1385 (2000), MED-98-3243.
MED	JOURNAL	15-Jan-00	Holcombe, Gary W;Pasha, Mumtaz S;Jensen, Kathleen M.;Tietge, Joseph E;Ankley, Gerald T. Effects of photoperiod manipulation on brook trout reproductive development, fecundity and circulating sex steroid concentrations. Published in: North American Journal of Aquaculture 62:1-11 (2000), MED-98-3244.
MED	JOURNAL	10-Nov-99	Sibley, PK; Benoit, DA; Balcer, MD; Phipps, GL; West, CW; Hoke, RA; and Ankley, G.T. In situ bioassay chamber for assessment of sediment toxicity and bioaccumulation using benthic invertebrates. Published in: Environmental Toxicology and Chemistry 18:2325-2336 (2000), MED-98-3284.
MED	JOURNAL	30-Dec-00	Dawson, Timothy D;Jenson, James J;Norberg-King, Teresa J. Laboratory culture of Chironomus tentans for use in toxicity testing: Optimum initial egg stocking densities. Aquaculture CLR, 3329.
MED	JOURNAL	1-Oct-99	Spehar, RL; Poucher, S; Brooke, LT; Hansen, DJ; Champlin, DM; and Cox, DA. Comparative toxicity of fluoranthene to freshwater and saltwater species under fluorescent and ultraviolet light. Published in: Archives of Environmental Contamination and Toxicology 37:496-502 (1999), MED-98-3338.
MED	JOURNAL	15-Oct-00	Rossmann, R; and Edgington, DN. Mercury in 1987-1990 Green Bay, Lake Michigan surficial sediments. Published in: Journal of Great Lakes Research 26 (3):323-339 (2000), MED-98-3349.
MED	JOURNAL	1-Dec-99	Detenbeck, Naomi E;Batterman, Sharon L;Brady, Valarie J;Brazner, John C;Snarski, Virginia M;Taylor, Debra L;Thompson, Jo A;Arthur, John W. A test of watershed classification systems for ecological risk assessment.
MED	JOURNAL	20-Mar-00	Kerfoot, Charles;Rossmann, Ronald;Harting, S L;Robbins, John A. Anthropogenic copper inventories and mercury profiles from Lake Superior: Evidence for mining impacts. Published in: Journal of Great Lakes Research 25:663-682 (1999), MED-99-3331.

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MED	JOURNAL	15-Jun-00	Schmieder, PK; Aptula, AO; Routeledge, EJ; Sumpter, JP; and Mekenyan, OG. Estrogenicity of alkylphenolic compounds: A 3-D structure-activity of gene activation. Published in: Environmental Toxicology and Chemistry 19:1727-1740 (2000), MED-99-3341.
MED	JOURNAL	1-Dec-00	Breneman, D; Richards, C; and Lozano, SJ. Environmental influences on benthic community structure in a Great Lakes embayment. Published in: Journal of Great Lakes Research 26 (3):287-304 (2000), MED-99-3355.
MED	JOURNAL	5-May-00	Lien, GJ; McKim, JM; Hoffman, AD; and Jenson, CT. A physiologically based toxicokinetic model for lake trout ( <i>Salvelinus namaycush</i> ). Published in: Aquatic Toxicology 51:335-350 (1998), MED-99-3394.
MED	JOURNAL	1-Nov-00	Wackernagel, Mathis; Yount, J David. Footprints for sustainability: The next steps. Environment, Development and Sustainability RCV, 3396.
MED	JOURNAL	15-Apr-00	Diamond, SA; Mount, DR; Burkhard, LP; Ankley, G.T.; Leonard, EN; and Makynen, EA. The effect of irradiance spectra on the photoactivated toxicity of three polycyclic aromatic hydrocarbons. Published in: Environmental Toxicology and Chemistry 19 (5):1389-1396 (2000), MED-99-3411.
MED	JOURNAL	1-Oct-99	Nichols, John W; Bradbury, Steven P; Swartout, J. Derivation of wildlife values for mercury. Published in: Journal of Toxicology and Environmental Health 2:325-355 (1999), MED-99-3416.
MED	JOURNAL	1-Oct-99	Fernandez, Joseph D; Cook, Philip M; Butterworth, Brian C; Bradbury, Steven P. Temporal changes in purity and specific activity of tritium-labeled 2,3,7,8-tetrachlorodibenzo-p-dioxin: Radiopurity model for toxicology.
MED	JOURNAL	1-Sep-00	Silva-Wilkinson, RA; DeGraeve, G Michael; Burkhard, Lawrence P; Tholen, Daniel W; Sheedy, Barbara R. Results of an interlaboratory evaluation of an analytical screening method for assessing persistent bioaccumulative toxins in sediment samples. Environmental Toxicology and Chemistry ACC, MED-99-3452.
MED	JOURNAL	1-Aug-00	Burkhard, LP. Comments on biota-sediment accumulation and trophic transfer factors for extremely hydrophobic polychlorinated biphenyls. Published in: Environmental Toxicology and Chemistry 19 (9):2164-2167 (2000), MED-99-3458.
MED	JOURNAL	20-Mar-00	Korte, Joseph J; Kahl, Michael D; Jensen, Kathleen M; Pasha, Mumtaz S; Parks, Louise G; LeBlanc, G; Ankley, Gerald T. Fathead minnow vitellogenin: cDNA sequence and mRNA and protein expression after 17 beta-estradiol treatment. Environmental Toxicology and Chemistry ACC, MED-99-3464.



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MED	JOURNAL	15-Apr-00	Makynen, EA; Kahl, MD; Jensen, KM; Tietge, JE; Wells, KL; Van Der Kraak, G; and Ankley, GT. Effects of the mammalian antiandrogen vinclozolin on development and reproduction of the fathead minnow ( <i>Pimephales promelas</i> ). Published in: <i>Aquatic Toxicology</i> 48:461-475 (2000), MED-99-3466.
MED	JOURNAL	1-Jun-00	Ankley, Gerald T;Tietge, Joseph E;Holcombe, Gary W;DeFoe, David L;Diamond, Stephen A;Jensen, Kathleen M;Degitz, Sigmund J. Effects of laboratory ultraviolet light and natural sunlight on survival and development of <i>Rana pipiens</i> . <i>Environmental Toxicology and Chemistry RCV</i> , 3479.
MED	JOURNAL	15-Apr-00	Burkhard, Lawrence P;Lukasewycz, Marta T. Some BAFs and BSAFs for PAHs in lake trout. Published in: <i>Environmental Toxicology and Chemistry</i> 19 (5):1427-1429 (2000), MED-99-3497.
MED	JOURNAL	15-Jun-00	Schmieder, PK; Tapper, MA; Linnum, AL; Denny, JS; Kolanczyk, RC; and Johnson, RD. Optimization of a precision-cut trout liver tissue slice assay as a screen for vitellogenin induction: Comparison of slide incubation techniques. Accepted by: <i>Aquatic Toxicology</i> , MED-99-3503.
MED	JOURNAL	5-May-00	Trenham, PC; Shaffer, HB; Koenig, WD; and Stromberg, MR. Life history and demographic variation in the California tiger salamander ( <i>Ambystoma californiense</i> ).
MED	JOURNAL	1-May-00	Tanner, Danny K;Brazner, John C. Factors influencing carbon, nitrogen, and phosphorus content of fish from a Lake Superior coastal wetland: Life history versus morphometrics. Published in: <i>Canadian Journal of Fisheries and Aquatic Sciences</i> 57:1243-1251 (1999), MED-00-3523.
MED	JOURNAL	1-Jul-00	Tanner, DK; Brazner, JC; and Brady, VJ. Factors Influencing Carbon, Nitrogen, and Phosphorus Content of Fish from a Lake Superior Coastal Wetland. Submitted to: <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , NHEERL-DUL-3523.
MED	JOURNAL	1-Nov-99	Caulfield, DD; and Filkins, JC. Accoustic techniques for the mapping of the distribution of contaminated sediments. Published in: <i>Northeastern Geology and Environmental Science</i> 21:130-135, MED-98-3357.
MED	PUB REPORT	1-Dec-99	Norberg-King, T.J. Methods for measuring toxicity and bioaccumulation of sediment-associated contaminants and freshwater invertebrates, EPA600/R-99/064. U.S. Environmental Protection Agency, MED-00-3351.

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MED	PUB REPORT	30-Oct-00	Sappington, K.G.; Burkhard, L.P.; Cook, P.M.; and Winchester, E.L. Methodology for deriving ambient water quality criteria for the protection of human health (2000) (Chapter 5 - Bioaccumulation, Office of Science and Technology, Washington, DC), EPA-822-B-00-004. U.S. Environmental Protection Agency, MED-01-3776.
MED	PUB REPORT	15-Jan-00	De Viaming, V; and Norberg-King, T.J. A review of single species toxicity tests: Are the tests reliable predictors of aquatic ecosystem community responses?, EPA/600/R-97/114. U.S. Environmental Protection Agency, 2000, MED-99-3470.
MED	PUB REPORT	8-Nov-99	Ankley, GT; Detenbeck, NE; Diamond, SA; and Trenham, PC. PRIMENet. Ultraviolet radiation/amphibian populations Research Planning Workshop, February 1-3, 1999, EPA600/R-99/066. U.S. Environmental Protection Agency, 1999, MED-99-3524.
MED	PUB REPORT	26-Jun-00	Norberg-King, Teresa J;Workgroup of EPA authors. Understanding and accounting for method variability in whole effluent toxicity applications under the NPDES program, EPA-833-R-00-003. U.S. Environmental Protection Agency, 2000, MED-99-3542.
MED	SYMPOS/CONF	9-Aug-00	Rygwelski, K.R.; and Xin Zhang. "A modeling framework for mercury cycling in Lake Michigan." International Conference on Heavy Metals in the Environment, Ann Arbor, MI, August 6-10, 2000, MED-00-3669.
MED	SYMPOS/CONF	6-Aug-00	Rossmann, R. "Mercury in and fluxes to Lake Michigan surficial sediments (MED-00-3671)." International Conference on Heavy Metals in the Environment, Ann Arbor, MI, August 6-10, 2000, MED-00-3671.
MED	SYMPOS/CONF	1-Sep-00	Kerfoot, W.C.; Harting, S.; Rossmann, R; and Robbins, JA. "Mercury in metal ore deposits: An unrecognized, widespread source to Lake Superior sediments, Contribution #1072." Paper published in: 11th Annual Conference on Heavy Metals in the Environment, J. Nriagu (Ed.), Ann Arbor, Michigan: University of Michigan, School of Public Health, 2000, MED-00-3710.

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DIV	TYPE	PUBL	CITATION
<b>Neurotoxicology Division (NTD)</b>			
NTD	BOOK/CHAPTER	1-Mar-00	Genter, MB ; Crofton, KM. "Pentenenitrile." Published in: Experimental and Clinical Neurotoxicology, PS Spencer & HS Schaumberg (Ed.), Oxford University Press, 2000, 968-969, MS-96-168.
NTD	BOOK/CHAPTER	1-Oct-99	Hudnell, HK ; Mergler, D. "Manganese: Essential element and neurotoxin." Published in: Occupational Medicine Secrets, RM Bowler and JE Cone (Ed.), Philadelphia, PA: Hanley & Belfus, 1999, 81-84, MS-99-096.
NTD	BOOK/CHAPTER	1-Nov-99	Ivkovich, D ; Eckerman, CO ; Krasnegor, NA ; Stanton, ME. "Using eyeblink conditioning to assess neurocognitive development in human infants." Published in: Eyeblink Classical Conditioning: Human, DS Woodruff and JE Steinmetz (Ed.), Amsterdam The Netherlands: Kluwer Academic Publishers, 1999, 1-25, MS-99-165.
NTD	BOOK/CHAPTER	1-Apr-00	Shafer, TJ. "The role of ion channels in the transport of metals into excitable and non-excitabile cells." Published in: Molecular Biology and Toxicology of Metals, RK Zalupa and DJ Koropatnick (Ed.), 2000, 179-207, MS-99-168.
NTD	BOOK/CHAPTER	1-Nov-99	Shafer, TJ. "The Role of Ion-channels in Neurotoxicology." Published in: Target Organ Series, Neurotoxicology, HA Tilson and GJ Harry (Ed.), 1999, 99-138, MS-99-179.
NTD	BOOK/CHAPTER	1-Jan-01	Boyes, WK. Neurotoxicology and Behavior. Bingham, E; Cohrssen, E; Powell, CH (Ed.), John Wiley & Sons, Inc., 2001, 55-121, MS-99-193.
NTD	JOURNAL	1-Sep-00	Kodavanti, PRS; and Tilson, HA. Neurochemical effects of environmental chemicals: in vitro and in vivo correlations on second messenger pathways. Published in: Annals of the New York Academy of Sciences 919:97-105 (2000), MS-00-001.
NTD	JOURNAL	1-Oct-00	Gordon, CJ ; Yang, Y-L. Chlorpyrifos-induced hypothermia and vasodilation in the tail of the rat: Blockade by scopolamine. Published in: Pharmacology and Toxicology 87:6-10 (2000), MS-00-005.
NTD	JOURNAL	1-Apr-00	Barone, S; Das, KP; Lassiter, TL; and White, LD. Vulnerable processes of nervous system development: A review of markers and methods. Published in: Neurotoxicology 21 (1-2):15-36 (2000), MS-00-016.

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NTD	JOURNAL	30-Apr-00	Gordon, CJ; and Padnos, B. Prolonged elevation in blood pressure in the unrestrained rat exposed to chlorpyrifos. Published in: Toxicology 146:1-13 (2000), MS-00-024.
NTD	JOURNAL	30-Oct-00	Moser, VC. Dose-response and time-course of neurobehavioral changes following oral chlorpyrifos in rats of different ages. Published in: Neurotoxicology and Teratology 22:713-723 (2000), MS-00-032.
NTD	JOURNAL	15-Nov-00	Moser, V.C. Observational batteries in neurotoxicity testing. Published in: International Journal of Toxicology 19:407-411 (2000), MS-00-037.
NTD	JOURNAL	1-May-00	Boyes, WK ; Bushnell, PJ ; Crofton, KM ; Evans, MV ; Simmons, JE. Neurotoxic and Pharmacokinetic Responses to Trichloroethylene as a Function of Exposure Scenario. Published in: Environmental Health Perspectives 108 (2):317-322 (2000), MS-97-221.
NTD	JOURNAL	1-Apr-00	Peiffer, RL; McCary, B; Bee, W; Wegener, A; Boyes, WK; and Geller, AM. Contemporary methods in Ocular Toxicology. Published in: Toxicology Methods 10:17-39 (2000), MS-98-008.
NTD	JOURNAL	1-Apr-00	Saghir, SA ; Hansen, LG ; Holmes, KR ; Kodavanti, PRS. Differential and non-uniform tissue and brain distribution of two distinct 14C-Hexachlorobiphenyls in weanling rats. Published in: Toxicological Sciences 54:60-70 (2000), MS-98-124.
NTD	JOURNAL	1-Mar-00	Mundy, WR ; Parran, D ; Barone, S. Gestational exposure to methylmercury alters neurotrophin- and carbachol-stimulated phosphatidylinositol hydrolysis in cerebral cortex of neonatal rats. Published in: Neurotoxicity Research 1:271-283 (2000), MS-98-225.
NTD	JOURNAL	1-Apr-00	Gordon, CJ ; Rowsey, PJ. Role of vagal afferents in the mediation of chlorpyrifos-induced fever in the rat. Published in: Journal of Thermal Biology 25:91-97 (2000), MS-99-004.
NTD	JOURNAL	1-Feb-00	Oshiro, WM ; Bushnell, PJ ; Chiba, AA. A comparison of the effects of bilateral and unilateral infusions of muscimol into the basal forebrain on cued detection of visual targets in rats. Published in: Behavioral Neuroscience 114 (1):137-149 (2000), MS-99-010.
NTD	JOURNAL	1-Mar-00	Tilson, HA. Neurotoxicology risk assessment guidelines: Developmental neurotoxicology. Published in: Neurotoxicology 21 (1-2):189-194 (2000), MS-99-031.

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NTD	JOURNAL	1-Feb-01	Roth-Harer, A; Lilenthal, H; Winterhoff, H; Bubser, M; Kronthaler, U; Mundy, WR; Ward, TR; Schmidt, W; and Winneke, G. Neurotransmitter concentrations and binding at dopamine receptors in rats after maternal exposure to 3,4,3',4'-Tetracholobiphenyl: The role of reduced thyroid hormone concentrations. Published in: Environmental Pharmacology Toxicology 9:103-115 (2001), MS-99-037.
NTD	JOURNAL	1-Feb-00	Gordon, CJ ; Becker, P ; Killough, P ; Padnos, B. Behavioral determination of the preferred foot pad temperature of the mouse. Published in: Journal of Thermal Biology 25:211-219 (2000), MS-99-042.
NTD	JOURNAL	1-Nov-99	Moser, VC ; Phillips, PM ; McDaniel, KL ; MacPhail, RC , Behavioral evaluation of the neurotoxicity produced by dichloroacetic acid in rats . Neurotoxicology and Teratology, 21(6): 719-731, November 1999, MS-99-044.
NTD	JOURNAL	1-Oct-99	Rowsey, PJ ; Gordon, CJ. Tumor necrosis factor is involved in chlorypyrifos- induced changes in core temperature in the female rat. Published in: Toxicology Letters 109:51-59 (1999), MS-99-079.
NTD	JOURNAL	1-Oct-99	Tiffany-Castiglioni, E ; Ehrich, M ; Dees, L ; Costa, LG ; Kodavanti, PRS ; Lasley, SM ; Oortgiesen, M ; Durham, HD , Bridging the gap between in vitro and in vivo models for neurotoxicology . Toxicological Sciences, 51(2): 178-183, October 1999, MS-99-108.
NTD	JOURNAL	1-Apr-00	Kamel, F ; Boyes, WK ; Gladen, BC ; Rowland, AS ; Alavanja, MCR ; Blair, A ; Sandler, DP. Association of retinal degeneration with fungicide use in licensed pesticide applications. Published in: American Journal of Industrial Medicine 37:618-628 (2000), MS-99-114.
NTD	JOURNAL	1-Mar-01	Das, KP; Chao, SL; White, LD; Haines, WT; Harry, GJ; and Tilson, HA. Differential patterns of NGF, BDNF and NT-3 mRNA and protein levels in developing cortical regions of rat brain. Published in: Neuroscience 103 (3):739-761 (2001), MS-99-140.
NTD	JOURNAL	1-Dec-99	Veronesi, B ; Carter, JD ; Devlin, RB ; Simon, SA ; Oortgiesen, M. Neuropeptides and capsaicin stimulate the release of pro-inflammatory cytokines in a human bronchial epithelial cell line. Published in: Neuropeptides 33:447-556 (1999), MS-99-141.

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NTD	JOURNAL	1-Mar-00	Oortgiesen, M; Veronesi, B; Eichenbaum, G; Simon, SA; AWARE, Inc; and Kiser, PF. Residual oil fly ash and charged polymers activate epithelial cells and nociceptive sensory neurons. Published in: American Journal Physiological Lung Cell Molecular Physiological 278 (L683):L695 (2000), MS-99-142.
NTD	JOURNAL	1-Nov-99	Lassiter, TL ; Barone, S ; Moser, VC ; Padilla, SJ. Gestational exposure to chlorpyrifos: Dose response profiles for cholinesterase and carboxylesterase activity. Published in: Toxicological Sciences 52 (1):92-100 (1999), MS-99-144.
NTD	JOURNAL	1-Dec-99	Paczkowski, C ; Ivkovich, D ; Stanton, ME , Ontogeny of eyeblink conditioning using a visual conditional stimulus . Developmental Psychobiology, 35(4): 253-263, December 1999, MS-99-150.
NTD	JOURNAL	1-Mar-00	Driver, AS ; Kodavanti, PRS ; Mundy, WR. Age-related changes in reactive oxygen species production in rat brain homogenates. Published in: Neurotoxicology and Teratology 22:175-181 (2000), MS-99-155.
NTD	JOURNAL	1-Nov-99	Das, KP ; Barone, S. Neuronal differentiation in PC12 cells is inhibited by chlorpyrifos and its metabolites: Is acetylcholinesterase inhibition the site of action?. Published in: Toxicology and Applied Pharmacology 160 (2):217-230 (1999), MS-99-159.
NTD	JOURNAL	1-Mar-00	Chauhan, KR ; Kodavanti, PRS ; McKinney, JD. Assessing the role of ortho-substitution on polychlorinated biphenyl (PCB) binding to transthyretin (TTR), a thyroxine transport protein. Published in: Toxicology and Applied Pharmacology 162:10-21 (2000), MS-99-163.
NTD	JOURNAL	15-May-00	Bushnell, PJ ; Oshiro, WM. Behavioral components of tolerance to repeated inhalation of trichloroethylene (TCE) in rats. Published in: Neurotoxicology and Teratology 22:221-229 (2000), MS-99-181.
NTD	JOURNAL	15-Nov-99	Gilbert, ME ; Crofton, KM. Developmental exposure to a commercial PCB mixture (aroclor 1254) produces a persistent impairment in long-term potentiation in the rat dentate gyrus in vivo. Published in: Brain Research 850:87-95 (1999), MS-99-182.
NTD	JOURNAL	1-May-00	Tilson, HA. The role of developmental neurotoxicology studies in risk assessment. Published in: Toxicologic Pathology 28 (1):149-156 (2000), MS-99-183.
NTD	JOURNAL	1-Dec-99	Shafer, TJ; Ward, TR; Meacham, CA; and Cooper, RL. Effects of the chlorotriazine herbicide, cyanazine, on GABA receptors in cortical tissue from rat brain. Published in: Toxicology 142:57-68 (1999), MS-99-184.

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NTD	JOURNAL	30-Sep-00	Hamm, CW ; Ali, JS ; Herr, DW. A system for simultaneous multiple subject, multiple stimulus modality, and multiple channel collection and analysis of sensory evoked potentials. Published in: Journal of Neuroscience Methods 102:95-108 (2000), MS-99-192.
NTD	JOURNAL	1-Dec-99	Hempel-Jorgensen, A; Kjaergaard, SK; Molhave, L; and Hudnell, HK. Sensory eye irritation in humans exposed to mixtures of volatile organic compounds. Published in: Archives of Environmental Health 54 (6):416-424 (1999), MS-99-194.
NTD	JOURNAL	1-Nov-99	Gordon, CJ ; Grantham, TA. Effect of central and peripheral cholinergic antagonists on chlorpyrifos-induced changes in body temperature in the rat. Published in: Toxicology 142:15-28 (1999), MS-99-197.
NTD	JOURNAL	1-May-00	Crofton, KM ; Ding, D-L ; Padich, R ; Taylor, MM ; Henderson, D. Hearing loss following exposure to development to polychlorinated biphenyls: A cochlear site of action. Published in: Hearing Research 144:196-204 (2000), MS-99-199.
NTD	JOURNAL	1-May-00	Inglefield, JR ; Shafer, TJ. Perturbation by the PCB mixture Aroclor 1254 of GABAA receptor-mediated calcium and chloride responses during maturation in vitro of rat neocortical cells. Published in: Toxicology and Applied Pharmacology 164:184-195 (2000), MS-99-201.
NTD	JOURNAL	1-Jan-00	Abou-Donia, MB; Abdel-Rahman, AA; Kishk, AM; Walker, DB; Markwiese, BJ; Acheson, SK; Reagan, KE; Swartzwelder, S; and Jensen, KF. Neurotoxicity of Ethyl Methacrylate in Rats. Published in: Journal of Toxicology and Environmental Health 59:97-118 (2000), MS-99-204.
NTD	JOURNAL	1-Dec-99	Oortgiesen, M ; Simon, SA ; Veronesi, B. A neurogenic explanation for particulate matter inflammation in the airways. Published in: Inhalation Toxicology:6-67 (1999), MS-99-206.
NTD	JOURNAL	30-Apr-00	Sills, RC; Valentine, WM; Moser, VC; Graham, DG; and Morgan, DL. Characterization of carbon disulfide neurotoxicity in C57BL6 mice: behavioral, morphologic and molecular effects. Published in: Toxicologic Pathology 28 (1):142-148 (2000), MS-99-221.
NTD	JOURNAL	1-Mar-00	Mundy, WR; and Sutton, LD. Characterization of a selective protein kinase C substrate derived from the MARCKS phosphorylation site domain for use in brain tissue homogenates. Published in: Analytical Biochemistry 278:185-191 (2000), MS-99-250.

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NTD	JOURNAL	15-Sep-00	Geller, AM ; Bushnell, PJ ; Rice, DC. Behavioral and electrophysiological estimates of visual thresholds in awake rats treated with 3,3',4,4',5- pentachlorobipenyl (PCB 126). Published in: Neurotoxicology and Teratology 22:521-531 (2000), MS-99-252.
NTD	JOURNAL	1-Dec-00	Zoeller, RT; and Crofton, KM. Thyroid hormone action in fetal brain development and potential for disruption by environmental chemicals. Published in: Neurotoxicology 21 (6):935-946 (2000), NTD-00-0017.
NTD	JOURNAL	30-Sep-00	Levin, ED; Rezvani, AH; Christopher, N; Glasgow, H; Deamer-Melia, N; Burkholder, J; Moser, VC; and Jensen, K. Rapid neurobehavioral analysis of pfiesteria piscicida effects in juvenile and adult rats. Published in: Neurotoxicology and Teratology 22:533-540 (2000), NTD-00-006.
NTD	JOURNAL	30-Sep-00	Inglefield, JR; and Shafer, TJ. Polychlorinated biphenyl-stimulation of Ca <sup>2+</sup> oscillations in developing neocortical cells: A role of excitatory transmitters and L-type voltage-sensitive Ca <sup>2+</sup> channels. Published in: Journal of Pharmacology and Experimental Therapeutics 295:105-113 (2000), NTD-00-007.
NTD	JOURNAL	1-Mar-01	Parran, DK; Mundy, WR; and Barone, S. Effects of methylmercury and mercuric chloride on differentiation and cell viability in PC12 cells. Published in: Toxicological Sciences 59:278-290 (2001), NTD-00-010.
NTD	JOURNAL	1-Jun-00	Rice, D; and Barone, S. Critical periods of vulnerability for the developing nervous system: Evidence from humans and animal models. Published in: Environmental Health Perspectives 108:511-533 (2000), NTD-00-013.
NTD	JOURNAL	1-Sep-00	Roegge, CS; Seo, BW; Crofton, KM; and Schantz, SL. Gestational-lactational exposure to aroclor1254 impairs radial-arm maze performance in male rats. Published in: Toxicology Science 57:121-130 (2000), NTD-00-016.
NTD	JOURNAL	1-Mar-01	Bushnell, PJ; Moser, VC; and Samsam, TE. Comparing cognitive and screening tests for neurotoxicity: Effects of acute chlorpyrifos on visual signal detection and a neurobehavioral test battery in rats: A comparison of endpoints and exposure route. Published in: Neurotoxicology and Teratology 23:33-44 (2001), NTD-00-018.
NTD	JOURNAL	1-Sep-00	Crofton, KM; Kodavanti, PRS; Derr-Yellin, EC; Kehn, LS; and Casey, AC. PCBs, thyroid hormones and ototoxicity in rats: Cross-fostering experiments demonstrate the importance of postnatal lactation exposure. Published in: Toxicological Sciences 57:131-140 (2000), NTD-00-020.



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NTD	JOURNAL	15-Jun-00	Shafer, T.J. Methylmercury effects on ion channels and electrical activity in neurons: Future directions. Published in: Cellular and Molecular Biology 46 (4):855-864 (2000), NTD-00-021.
NTD	JOURNAL	1-Jun-00	Adams, J; Barone, S; LaMantia, A; Philen, R; Rice, D; Spear, L; and Susser, E. Workshop to identify critical windows of exposure for children's health: Neurobehavioral workgroup summary. Published in: Environmental Health Perspectives 108:535-544 (2000), NTD-00-023.
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NTD	JOURNAL	15-Mar-01	Hudnell, HK; House, D.E.; Schmid, J; Koltai, D; Stopford, W; Swinker, M; Wilkins, J; Savitz, D; and Music, S. Human visual function in the North Carolina clinical study on estuary associated syndrome. Published in: Journal of Toxicology and Environmental Health 62:575-594 (2001), NTD-00-031.
NTD	JOURNAL	1-Sep-00	Gilbert, ME; Mundy, WR; and Crofton, KM. Spatial learning and long-term potentiation in the dentate gyrus of the hippocampus in animals developmentally exposed to Aroclor 1254. Published in: Toxicology Science 57:102-111 (2000), NTD-00-037.
NTD	JOURNAL	1-Dec-00	Gordon, CJ; Becker, P; and Padnos, B. Comparison of heat and cold stress to assess thermoregulatory dysfunction in hypothyroid rats. Published in: Journal of Toxicology and Environmental Health 279:R2066-R2071 (2000), NTD-00-040.
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NTD	JOURNAL	15-Dec-00	Rowsey, PJ; and Gordon, CJ. A peripheral mechanism of fever: Differential sensitivity to the antipyretic action of methyl scopolamine. Published in: Journal of the Autonomic Nervous System 85:148-155 (2000), NTD-00-043.
NTD	JOURNAL	15-Dec-00	Moser, VC; Bown, SE; Li, AA; Sette, WA; and Weisenburger, WP. Cognitive evaluation: Is it needed in neurotoxicity screening?. Published in: Neurotoxicology and Teratology 22:785-798 (2000), NTD-00-049.
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NTD	JOURNAL	1-Mar-01	Zhou, T; Ross, DG; DeVito, MJ; and Crofton, KM. Effects of short-term in vivo exposures to polybrominated diphenyl ethers on thyroid hormones and hepatic enzymatic activities in weanling rats. Published in: Toxicological Sciences 61:76-82 (2001), NTD-01-010.
NTD	JOURNAL	1-Jan-01	Swinker, M; Koltai, D; Stopford, W; Wilkins, J; Hudnell, K; Hall, C; Darcey, D; Robertson, K; Schmechel, D; and Music, S. Estuary associated syndrome in North Carolina: An occupational prevalence study. Published in: Environmental Health Perspectives 109:21-26 (2001), NTD-01-014.
NTD	JOURNAL	30-Nov-00	Veronesi, B; Oortgiesen, M; Roy, J; Carter, JD; Simon, SA; and Gavett, SH. Vanilloid (capsaicin) receptors influence inflammatory sensitivity in response to particulate matter. Published in: Toxicology and Applied Pharmacology 169:66-76 (2000), NTD-01-028.
NTD	JOURNAL	15-Jan-01	Yang, JH; and Kodavanti, PRS. Possible molecular targets of halogenated aromatic hydrocarbons in neuronal cells. Published in: Biochemical and Biophysical Research Communications 280:1372-1377 (2001), NTD-01-031.
NTD	JOURNAL	12-Dec-00	Audesirk, G.; Armstrong, DA; van den Maagdenberg, A; Atchison, WD; Shafer, TJ; and Fletcher, C. Calcium channels: critical targets of toxicants and diseases. Published in: Environmental Health Perspectives 108:1215-1218 (2000), NTD-01-032.
NTD	SYMPOS/CONF	1-Sep-00	Bushnell, PJ; Levin, ED; Marrocco, RT; Sarter, MF; Strupp, BJ; and Warburton, DM. "Attention as a target of intoxication: Insights and methods from studies of drug abuse." Behavioral Toxicology Society Annual Meeting, Research Triangle Park, NC, May 1, 1999, 487-502, MS-00-038.
NTD	SYMPOS/CONF	15-Sep-00	Gilbert, ME. "In vitro systems as simulations of in vivo conditions: The study of cognition and synaptic plasticity in neurotoxicology." New York Academy of Science, Toxicology for the Next Millennium, Warrenton, VA, 9/20-23/1999, 2000, 119-132, NTD-00-038.

DIV	TYPE	PUBL	CITATION
<b>Reproductive Toxicology Division (RTD)</b>			
RTD	BOOK/CHAPTER	1-Apr-00	Abbott, BD. "Palatal Dysmorphogenesis: Palate Organ Culture." Published in: Methods in Molecular Biology, RS Tuan & CW Lo (Ed.), Totowa, NJ: Humana Press, 195-201, MS-98-080.
RTD	BOOK/CHAPTER	1-Dec-99	Lau, CS; and Setzer, RW. "Biologically based risk assessment models for developmental toxicity." Published in: Methods in Molecular Biology; Developmental Biology Protocols, Vol II, RS Tuan & CW Lo (Ed.), Totowa NJ: Humana Press, 1999, 271-281, MS-98-155.
RTD	BOOK/CHAPTER	1-Jan-00	Zucker, RM ; Rogers, JM. "Embryonic/fetal topographical analysis by fluorescence microscopy and confocal laser scanning microscopy." Published in: Developmental Biology Protocols, 2000, MS-99-013.
RTD	BOOK/CHAPTER	1-Dec-99	Kelce, WR ; Gray, LE ; Wilson, EM. "Antiandrogens as environmental endocrine disruptors." Published in: Human Diet and Endocrine Modulation: Estrogenic and Androgenic Effects, G.E. Funaif, S.S. Olin, J.A. Scimeca, and J.A. Thomas (Ed.), Washington, DC: ILSI Press, 1999, 54-67, MS-99-077.
RTD	BOOK/CHAPTER	1-Jan-00	Narotsky, MG ; Rogers, JM. "Examination of the axial skeleton of fetal rodents." Published in: Developmental Biology Protocols, 2000, MS-99-080.
RTD	BOOK/CHAPTER	1-Jan-00	Zucker, RM ; Rogers, JM. "Confocal laser scanning microscopy of morphology and apoptosis in organogenesis stage mouse embryos." Published in: Developmental Biology Protocols, Rocky Tuan (Ed.), 2000, MS-99-158.
RTD	BOOK/CHAPTER	1-Nov-00	Kavlock, RJ. "Pesticides as Endocrine-disrupting Chemicals." Published in: Handbook of Pesticide Toxicology, 2000, MS-99-178.
RTD	JOURNAL	1-Mar-00	Laws, SC ; Carey, SA ; Ferrell, JM ; Bodman, GJ ; Cooper, RL. Estrogenic activity of octylphenol, nonylphenol, bisphenol A and methoxychlor in rats. Published in: Toxicological Sciences 54 (1):154-167, MS-00-007.
RTD	JOURNAL	1-Mar-00	Stoker, TE; Parks, LG; Gray, LE; and Cooper, RL. Endocrine-Disrupting Chemicals: Prepubertal Exposures and Effects on Sexual Maturation and Thyroid Function in the Male Rat. A Focus on the EDSTAC Recommendations. Published in: Critical Reviews in Toxicology 30 (2):197-252, MS-00-017.

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RTD	JOURNAL	1-Nov-00	Pitt, JA; Buckalew, AR; House, DE; and Abbott, BD. Adrenocorticotropin (ACTH) and corticosterone secretion by perfused pituitary and adrenal glands from rodents exposed to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). Published in: Toxicology 151:25-35 (2000), MS-00-049.
RTD	JOURNAL	1-Aug-00	Lambright, CR; Ostby, JS; Bobseine, KL; Wilson, VS; Hotchkiss, AK; Mann, P; and Gray, LE, Jr. Cellular and Molecular Mechanisms of Action of Linuron: An Antiandrogenic Herbicide that Produces Reproductive Malformations in Male Rats. Published in: Toxicological Sciences, MS-00-064.
RTD	JOURNAL	1-Jan-01	Cooper, RL ; Stoker, TE ; Goldman, JM , Preovulatory Toxicant Exposures and Pregnancy Outcome: A Role of the Central Nervous System in Reproductive Toxicology . SUBMITTED TO: Environmental Toxicology and Pharmacology, MS-97-084.
RTD	JOURNAL	1-Oct-99	Kavlock, RJ. Overview of endocrine disruptor research activity in the United States. Published in: Chemosphere 39 (8):1227-1236, MS-98-137.
RTD	JOURNAL	1-Nov-99	Cummings, AM ; Hedge, JM ; Birnbaum, LS , Effect of prenatal exposure to TCDD on the promotion of endometriotic lesion growth by TCDD in adult female rats and mice . Toxicological Sciences, 52(1): 45-49, November 1999, MS-98-199.
RTD	JOURNAL	1-Nov-99	Stoker, TE; Robinette, CL; and Cooper, RL. Maternal exposure to atrazine during lactation suppresses suckling-induced prolactin release and results in prostatitis in the adult offspring. Published in: Toxicological Sciences 52 (1):68-79, MS-99-063.
RTD	JOURNAL	1-Jun-00	Cummings, AM; and Laws, SC. Assessment of estrogenicity by using the delayed implanting rat model and examples. Published in: Reproductive Toxicology, MS-99-072.
RTD	JOURNAL	6-Oct-99	Mori, C; Allen, J; Dix, DJ; Nakamura, N; Fujioka, M; Toshimori, K; and Eddy, EM. Completion of meiosis is not required for acrosome formation in HSP70-2 null mice. Published in: Development, MS-99-100.
RTD	JOURNAL	1-Jun-00	Zucker, RM ; Kershaviah, AP ; Price, OT ; Goldman, JM. Confocal laser scanning microscopy of rat follicle development. Published in: Journal of Histochemistry and Cytochemistry 48 (6):781-791, MS-99-120.
RTD	JOURNAL	1-Jan-00	Ward, K ; Rogers, EH ; Hunter, ES. Comparative pathogenesis of haloacetic acid and protein kinase inhibitor embryotoxicity in mouse whole embryo culture. Published in: Toxicological Sciences, MS-99-129.

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RTD	JOURNAL	1-Dec-99	Stoker, TE; Robinette, CL; and Cooper, RL. Perinatal exposure to estrogenic compounds and the subsequent effects on the prostate of the adult rat: Evaluation of inflammation in the ventral and lateral lobes. Published in: Reproductive Toxicology 13:463-472, MS-99-138.
RTD	JOURNAL	1-Apr-00	Lau, CS ; Andersen, ME ; Crawford-Brown, DJ ; Kavlock, RJ ; Kimmel, CA ; Knudsen, TB ; Muneoka, K ; Rogers, JM ; Setzer, RW ; Smith, G ; Tyl, R. Evaluation of biologically based dose-response modeling for developmental toxicity: A workshop report. Published in: Regulatory Toxicology and Pharmacology 31:190-199, MS-99-171.
RTD	JOURNAL	15-Apr-00	Ghosh, B; Wood, CR; Held, GA; Abbott, BD; and Lau, CS. Glucocorticoid receptor regulation in the rat embryo: A potential site for developmental toxicity?. Published in: Toxicology and Applied Pharmacology 164 (2):221-229, MS-99-174.
RTD	JOURNAL	1-Dec-99	Stoker, TE; Cooper, RL; Britt, BH; Laws, SC; and Robinette, CL. Prepubertal exposures to compounds that increase prolactin secretion in the male rat: Effects on adult prostate. Published in: Biology of Reproduction 61 (6):1636-1643, MS-99-176.
RTD	JOURNAL	1-Feb-00	Cooper, RL; Stoker, TE; Tyrey, L; Goldman, JM; and McElroy, WK. Atrazine disrupts the hypothalamic control of pituitary- ovarian function. Published in: Toxicological Sciences 53:297-307, MS-99-177.
RTD	JOURNAL	1-Feb-00	Akingbemi, BT; Ge, RS; Klinefelter, GR; Gunsalus, GL; and Hardy, MP. A metabolite of methoxychlor, 2,2-bis(p-hydroxyphenyl)-1,1,1-trichloroethane reduces testosterone biosynthesis in rat leydig cells through suppression of steady-state Messenger Ribonucleic Acid levels of the cholesterol side-chain cleavage enzyme. Published in: Biology of Reproduction 62:571-578, MS-99-186.
RTD	JOURNAL	30-Nov-99	Barlow, S; Kavlock, RJ; Moore, JA; Schantz, SL; Sheehan, DM; Shuey, DL; and Lary, JM. Teratology Society position paper: The developmental toxicity of endocrine disruptors to humans. Published in: Teratology, MS-99-210.
RTD	JOURNAL	1-Mar-00	Goldman, JM; Laws, SC; Balchak, SK; Cooper, RL; and Kavlock, RJ. Endocrine disrupting chemicals: prepubertal exposures and effects on sexual maturation and thyroid activity in the female rat. A focus on the EDSTAC recommendations. Published in: Critical Reviews in Toxicology 30 (2):135-196, MS-99-245.

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RTD	JOURNAL	1-Aug-00	Das, PC; McElroy, WK; and Cooper, RL. Differential Modulation of Catecholamines by Chlorotriazine Herbicides in Pheochromocytoma (PC12) Cells in Vitro. Published in: Toxicological Sciences 56 (2):324-331, RTD-00-033.
RTD	JOURNAL	1-Nov-00	Balchak, SK; Hedge, JM; Shearin, AE; Mole, ML; and Goldman, JM. Influence of the Drinking Water Disinfection By-Product Dibromoacetic Acid on Rat Estrous Cyclicity and Ovarian Follicular Steroid Release in Vitro. Published in: Reproductive Toxicology 14:533-539 (2000), RTD-00-047.
RTD	JOURNAL	1-Sep-00	Moline, J; Golden, A; Bar-Chama, N; Smith, E; Rauch, ME; Chapin, RE; Darney, SP; Schrader, S; Suk, WA; and Landrigan, PJ. Exposure to Hazardous Substances and Male Reproductive Health: A Research Framework. Published in: Environmental Health Perspectives 108 (9):803-813 (2000), RTD-00-048.
RTD	JOURNAL	1-Mar-00	Welch, JE; Brown, PL; O'Brien, DA; Magyar, PL; Bunch, DO; Mori, C; and Eddy, EM. Human Glyceraldehyde 3-Phosphate Dehydrogenase-2 (GAPD2) Gene is Expressed Specifically in Spermatogenic Cells. Journal of Andrology 21 (2):328-338, RTD-00-050.
RTD	JOURNAL	8-Oct-99	Premont, RT; Macrae, AD; Aparicio, SAJR; Kendall, HE; Welch, JE; and Lefkowitz, RJ. The GRK4 Subfamily of G Protein-Coupled Receptor Kinases: Alternative Splicing, Gene Organization, and Sequence Conservation. Published in: Journal of Biological Chemistry 274 (41):29381-29389, RTD-00-051.
RTD	JOURNAL	1-Oct-00	Darney, SP; Rubes, J; Robbins, WA; Evenson, DP; and Selevan, SA. Evaluation of Aneuploidy and DNA Damage in Human Spermatozoa: Applications in Field Studies. Published in: Andrologia 32:247-254 (2000), RTD-00-056.
RTD	JOURNAL	1-Nov-00	Cummings, AM; Rhodes, BE; and Cooper, RL. Effect of Atrazine on Implantation and Early Pregnancy in Four Strains of Rats. Published in: Toxicological Sciences 58:135-143 (2000), RTD-00-065.
RTD	JOURNAL	1-Jun-00	LeMasters, G.K.; Darney-Perreault, S; Hales, BF; Hatch, M; Hirshfield, AN; Hughes, CL; Kimmel, GL; Lamb, JC; Pryor, JL; Rubin, C; and Seed, JG. Critical Windows for Reproductive Health in Children and Adolescents. Published in: Environmental Health Perspectives 108:505-509, RTD-00-073.
RTD	JOURNAL	1-Jan-01	Stoker, TE; Goldman, JM; and Cooper, RL. Delayed ovulation and pregnancy outcome: Effect of environmental toxicants on the neuroendocrine control of the ovary. Published in: Environmental Toxicology and Pharmacology 9 (2001):117-129, RTD-00-091.

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RTD	JOURNAL	30-Nov-99	Barlow, S; Kavlock, RJ; Moore, JA; Schantz, SL; Sheehan, DM; Shuey, DL; and Lary, JM. Teratology society public affairs committee position paper: developmental toxicity of endocrine disruptors to humans. Published in: Teratology 60:365-375 (1999), RTD-00-092.
RTD	JOURNAL	1-Jun-00	Barr Jr., M.; DeSesso, JM; Lau, CS; Osmond, C.; Ozanne, S.E.; Sadler, TW; Simmons, RA; and Sonawane, BR. Workshop to identify critical windows of exposure for children's health: Cardiovascular and endocrine work group summary. Published in: Environmental Health Perspectives 108 (3):569-571 (2000), RTD-00-118.
RTD	JOURNAL	27-Mar-01	Rockett, JC; Luft, JC; Garges, JB; Krawetz, SA; Hughes, MR; Kim, KH; Oudes, A; and Dix, DJ. Development of a 950-gene DNA array for examining gene expression patterns in mouse testis. Published in: GenomeBiology, RTD-01-010.

DIV	TYPE	PUBL	CITATION
<b>Western Ecology Division (WED)</b>			
WED	BOOK/CHAPTER	1-Sep-00	Helmer, E. H.;Brown, S. "Gradient Analysis of Biomass in Costa Rica and a First Estimate of Countrywide Emissions of Greenhouse Gases from Biomass Burning." Published in: Quantifying Sustainable Development, Hall, CA (Ed.), Academic Press, 2000, 503-526, NHEERL-COR-2186A.
WED	BOOK/CHAPTER	1-Sep-00	Olszyk, DM; Tingey, DT; Watrud, LS; Seidler, RJ; and Andersen, CP. "Interactive Effects of O3 and CO2: Implications for Terrestrial Ecosystems." Published in: Trace Gas Emissions and Plants, S.N. Singh (Ed.), Amsterdam, The Netherlands: Kluwer Academic Publishers, 97-136, NHEERL-COR-2202A.
WED	BOOK/CHAPTER	1-Sep-00	Lackey, RT. "Managing Place Scale Problems: Ecosystem Management." Published in: The Standard Handbook of Environmental Science, Health, and Technology, Lehr, J.H. (Ed.), New York, NY: McGraw-Hill, 2000, 16.11-16.20, NHEERL-COR-2275A.
WED	BOOK/CHAPTER	1-Sep-00	Watrud, LS. "Book Chapter: Genetically engineered plants in the environment-- applications and issues (NHEERL-COR_2324A)." Published in: Microbial Interactions in Agriculture and Forestry, N.S. Subbarao, Y.R. Dommergues (Ed.), New Delhi, India: Oxford & IBH Publishing Co., 59-79, NHEERL-COR-2324A.
WED	BOOK/CHAPTER	1-Jul-00	Macedo, M; Cook, D; and Brown, TJ. "Visual Data Mining in Atmospheric Science Data." Published in: Data Mining and Knowledge Discovery, Timothy Brown and Paul Mielke, Jr. (Ed.), Boston, MA: Kluwer Academic Publishers, 2000, 69-80, WED-00-087.
WED	DATA	15-Mar-01	Ford, J; Muir, D; Kaputska, L.A.; and Landers, DH. Vegetation and Soil Data Base for Arctic Alaska and Siberia, Vol. II: Organochlorine Pesticides and PCBs., WED-01-037.
WED	EPA PROCEED	31-Aug-00	Moser, TJ; Lindeman, DR; Wigington, PJ; Schufft, MJ; and Van Sickle, J. "Methods for Multi-Spatial Scale Characterization of Riparian Corridors." International Conference on Riparian Ecology & Management in Multi-land Use Watersheds, Portland, OR, August 28-31, 2000, WED-00-044.



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WED	EPA PROCEED	31-Aug-00	McAllister, LS; Dwire, KA; and Griffith, SM. "Vegetation Characterization of Three Contrasting Riparian Sites, Willamette Valley, OR." Paper presented at: International Conference on Riparian Ecology & Management in Multi-land Use Watersheds, Portland, OR, August 27-31, 2000
WED	JOURNAL	15-Jan-01	Leibowitz, SG; Loehle, C; Li, BL; and Preston, EM. Modeling Landscape Functions and Effects: a Network Approach. Published in: Ecological Modeling 132 (1-2):77-94 (2001), NHEERL-COR-2085J.
WED	JOURNAL	1-Mar-01	Hyman, JB; and Leibowitz, SG. JSEM: A Framework for Identifying and Evaluating Indicators. Published in: Ecological Applications, NHEERL-COR-2092J.
WED	JOURNAL	15-May-00	Bugmann, HKM; and Solomon, AM. Explaining Forest Composition and Biomass Across Multiple Biogeographic Regions. Published in: Ecological Applications 10 (1):95-114 (2000), NHEERL-COR-2161J.
WED	JOURNAL	1-Feb-00	Bury, RB; Nebeker, AV; and Adams, MJ. Response of Hatchling and Yearling Turtles to Thermal Gradients: Comparison of Chelydra Serpentina and Trachemys Scripta. Submitted to: Journal of Thermal Biology, NHEERL-COR-2179J.
WED	JOURNAL	10-Jan-00	Dykaar, BB; and Wigington, PJ. Floodplain formation and riparian ecosystem development on the Willamette River, OR. Published in: Environmental Management 25 (1):87-104 (2000), NHEERL-COR-2184J.
WED	JOURNAL	30-Oct-99	Lugo, A.E.; Brown, S; Dodson, R.; Smith, T.S.; and Shugart, H.H. The Holdridge Life Zones of the Conterminous United States in Relation to Ecosystem Mapping. Published in: Journal of Biogeography 26:1025-1038 (1999), NHEERL-COR-2194J.
WED	JOURNAL	3-Oct-99	Peterson, SA; and Urquhart, NS. Estimating Trophic State Proportions of a Regional Lake Population: Are Larger Samples Always Better?. Submitted to: Environmental Monitoring and Assessment, NHEERL-COR-2207J.
WED	JOURNAL	1-Sep-00	Sigleo, AC; Neale, PJ; and Spector, A. Phytoplankton pigments at the Weddell-Scotia confluence during spring: implicaitons for remote sensing. Published in: Limnology and Oceanography, NHEERL-COR-2213J.
WED	JOURNAL	1-Mar-01	Entry, JA; Watrud, LS; and Reeves, M. Influence of Organic Amendments on Accumulation of 137Cs and 90Sr Contaminated Soil by Three Grass Species. Accepted by: Water, Air, and Soil Pollution, NHEERL-COR-2230J.

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WED	JOURNAL	15-May-00	O'Connor, RJ; Walls, TE; and Hughes, RM. Using Multipile Taxonomic Groups to Index the Ecological Condition of Lakes. Published in: Environmental Monitoring and Assessment 61:207-228 (2000), NHEERL-COR-2237J.
WED	JOURNAL	1-Jun-00	Lewis, JD; McKane, RB; Tingey, DT; and Beedlow, PA. Vertical gradients in photosynthetic light response within an old-growth Douglas-fir and western hemlock canopy. Published in: Tree Physiology 20:447-456 (2000), NHEERL-COR-2241J.
WED	JOURNAL	3-Oct-99	Allen, A.P.; Whittier, TR; Larsen, DP; Kaufmann, PR; O'Connor, RJ; Hughes, RM; Stemberger, RS; Dixit, SS; Brinkhurst, RO; Herlihy, AT; and Paulsen, SG. Concordance of Taxonomic Composition Patterns Across Multiple Lake Assemblages: Effects of Scale, Body Size, and Land Use. Published in: Canadian Journal of Fisheries and Aquatic Sciences 56:2029-2040 (1999), NHEERL-COR-2249J.
WED	JOURNAL	1-Sep-00	Cairns, MA; Haggerty, P; Alvarez, R; De Jong, BHJ; and Olmsted, I. Tropical Mexico's Recent Land-Use Change: A Region's Contribution to the Global Carbon Cycle. Published in: Ecological Applications 10 (5):1426-1441 (2000), NHEERL-COR-2251J.
WED	JOURNAL	5-Jan-00	Hyman, JB; and Leibowitz, SG. A general framework for prioritizing land units for ecological protection and restoration. Published in: Environmental Management 25 (1):23-35, NHEERL-COR-2252J.
WED	JOURNAL	1-Dec-99	Pfleeger, TG; Mundt, CC; and da Luz, MA. Effects of Wheat Leaf Rust on Interactions Between Wheat and Wild Oats Planted at Various Densities and Proportions. Published in: Canadian Journal of Botany 77:1669-1683 (1999), NHEERL-COR-2271J.
WED	JOURNAL	1-Apr-00	Landers, DH; Haggerty, P; Cline, SP; Carson, W; and Faure, F. The role of regionalization in large river restoration. Published in: International Limnology Journal, NHEERL-COR-2278J.
WED	JOURNAL	1-Dec-99	Montgomery, CA; Pollak, RA; Freemark, KE; and White, RD. Pricing biodiversity. Published in: Journal of Environmental Economics and Management 38:1-19, NHEERL-COR-2288J.
WED	JOURNAL	15-May-00	Carr, D.B.; Olsen, AR; Pierson, S; and Courbois, J.Y.P. Using Linked Micromap Plots to Characterize Omernik Ecoregions. Submitted to: Data Mining and Knowledge Discovery, NHEERL-COR-2300J.

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WED	JOURNAL	1-Oct-00	Nebeker, AV; and Bury, RB. Temperature Selection by Hatchling and Yearling Florida Red-Bellied Turtles ( <i>Pseudemys nelsoni</i> ) in Thermal Gradients. Published in: <i>Journal of Herpetology</i> 34 (3):465-469, NHEERL-COR-2302J.
WED	JOURNAL	1-Aug-00	Herlihy, AT; Larsen, DP; Paulsen, SG; Urquhart, NS; and Rosenbaum, BJ. Designing a Spatially Balanced, Randomised Site Selection Process for Regional Stream Surveys: the EMAP Mid-Atlantic Pilot Study. Published in: <i>Environmental Monitoring and Assessment</i> 63:95-113 (2000), NHEERL-COR-2307J.
WED	JOURNAL	1-Dec-99	Kimerling, AJ; Sahr, K; White, RD; and Song, L. Comparing geometrical properties of global grids. Published in: <i>Cartography and Geographic Information Science</i> 26 (4):271-288, NHEERL-COR-2314J.
WED	JOURNAL	30-Oct-00	Van Sickle, J; and Hughes, RM. Classification strengths of ecoregions, basins, and geographic clusters for aquatic vertebrates in Oregon. Published in: <i>Journal of the North American Benthological Society</i> , NHEERL-COR-2315J.
WED	JOURNAL	1-Oct-00	Phillips, DL; Brown, SL; Schroeder, PE; and Birdsey, RA. Toward error analysis of large-scale forest carbon budgets. Submitted to: <i>Global Ecology and Biogeography Letters</i> , NHEERL-COR-2316J.
WED	JOURNAL	1-Sep-00	Johnson, MG; Phillips, DL; Tingey, DT; and Storm, M.J. Effects of Elevated CO <sub>2</sub> , N-Fertilization, and Season on Survival of Ponderosa Pine Fine Roots. Published in: <i>Canadian Journal of Forest Research</i> 30:220-228 (2000), NHEERL-COR-2318J.
WED	JOURNAL	1-Oct-99	Griffith, GE; Omernik, JM; and Woods, AJ. Ecoregions, watersheds, basins, and HUC's: how state and federal agencies frame water quality. Published in: <i>Journal of Soil and Water Conservation</i> 54 (4):666-677, NHEERL-COR-2319J.
WED	JOURNAL	5-Oct-99	Stoddard, JL; Jeffries, DS; Lukewille, A; Clair, TA; Dillon, PJ; Driscoll, CT; Forsius, M; Johannessen, M; Kahl, JS; Kellogg, JH; Kemp, A; Mannio, J; Monteith, D; Murdoch, PS; Patrick, S; Rebsdorf, A; Skjelkvale, BL; Stainton, MP; Traaen, TS; van Dam, H; Webster, KE; Wieting, J; and Wilander, A. Recovery of lakes and streams from acidification: regional trends in North America and Europe, 1980-95. Published in: <i>Nature</i> 401:575-578 (1999), NHEERL-COR-2323J.
WED	JOURNAL	1-Jun-00	Whittier, TR; Halliwell, DB; and Daniels, RA. Distributions of Lake Fishes in the Northeast--II. The minnows (Cyprinidae). Published in: <i>Northeastern Naturalist</i> 7 (2):131-156, NHEERL-COR-2328J.

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WED	JOURNAL	1-Sep-00	Phillips, DL; Johnson, MG; Tingey, DT; Biggart, D; Nowak, RS; and Newsom, JS. Minirhizotron Installation in Sandy, Rock Soils with Minimal Soil Disturbance. Submitted to: Soil Science Society of America Journal, NHEERL-COR-2331J.
WED	JOURNAL	21-Apr-00	Tingey, DT; Waschmann, RS; Phillips, DL; and Olszyk, DM. The Carbon Dioxide Leakage from Chambers Measured Using Sulfur Hexafluoride. Published in: Environmental and Experimental Botany 43:101-110 (2000), NHEERL-COR-2332J.
WED	JOURNAL	1-Sep-00	Waite, IR; Herlihy, AT; Larsen, DP; and Klemm, DJ. Classification strength of spatial and taxonomic hierarchies of stream biotic assemblages in the mid-Atlantic highlands, USA: benthic macroinvertebrates. Published in: Journal of the North American Benthological Society, NHEERL-COR-2333J.
WED	JOURNAL	1-Jul-00	Hughes, RM; Paulsen, SG; and Stoddard, JL. EMAP-Surface Waters: a multiassemblage, probability survey of ecological integrity in the U.S.A. Published in: Hydrobiologia 422/423:429-443 (2000), NHEERL-COR-2334J.
WED	JOURNAL	1-Sep-00	Rygielwicz, PT; Martin, KJ; and Tuininga, AR. Morphological diversity of ectomycorrhizas on Douglas-fir ( <i>Pseudotsuga menziesii</i> Mirb. Franco) seedling grown under elevated atmospheric CO <sub>2</sub> and temperature. Submitted to: Oecologia, NHEERL-COR-2337J.
WED	JOURNAL	30-Sep-00	Larned, ST; and Santos, SR. Light- and nutrient-limited periphyton in low order streams of Oahu, Hawaii. Published in: Hydrobiologia, NHEERL-COR-2340J.
WED	JOURNAL	30-Sep-00	Chong, CT; Larned, ST; Covich, AP; and Kinzie, RA. Species Interactions Between Estuarine Detritivores: Inhibition or Facilitation?. Published in: Hydrobiologia (434):11-16 (2000), NHEERL-COR-2341J.
WED	JOURNAL	1-Jun-00	Shaffer, BT; Widmer, F; Porteous, LA; and Seidler, RJ. Temporal and spatial distribution of the nifH gene of N <sub>2</sub> fixing bacteria in forests and clearcuts in Western Oregon. Published in: Microbial Ecology 39:12-21, NHEERL-COR-2342J.
WED	JOURNAL	1-Sep-00	Ozretich, RJ; Ferraro, SP; Lamberson, JO; and Cole, FA. A test of the Sigma PAH model at a creosote-contaminated site in Elliott Bay, Washington. Published in: Environmental Toxicology and Chemistry, NHEERL-COR-2346J.
WED	JOURNAL	1-Oct-00	White, RD. Global grids from recursive diamond subdivisions of the surface of an octahedron or icosahedron. Published in: Environmental Monitoring and Assessment, NHEERL-COR-2347J.

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WED	JOURNAL	15-Jan-01	Hulse, DW; Eilers, J; Freemark, KE; Hummon, C; and White, RD. Planning alternative future landscapes in Oregon: evaluating effects on water quality and biodiversity. Published in: Landscape Journal, NHEERL-COR-2354J.
WED	JOURNAL	1-Oct-00	Polasky, S; Camm, JD; Solow, AR; Csuti, B; White, RD; and Ding, R. Choosing Reserve Networks with Incomplete species information. Published in: Biological Conservation 94:1-10 (2000), NHEERL-COR-2356J.
WED	JOURNAL	1-Aug-00	Larned, ST. Dynamics of Coarse Riparian Detritus in a Hawaiian Stream Ecosystem: a Comparison of Drought and Post-Drought Conditions. Published in: Journal of the North American Benthological Society 19 (2):215-234 (2000), NHEERL-COR-2357J.
WED	JOURNAL	1-Mar-01	Cao, Y; Larsen, DP; and Thorne, RSt-J. Rare species in multivariate analysis for bioassessment: some considerations. Published in: Journal of North American Benthological Society, NHEERL-COR-2364J.
WED	JOURNAL	1-Jul-00	Tingey, DT; Phillips, DL; and Johnson, MG. Elevated CO2 and conifer roots: effects on growth, life span and turnover. Submitted to: New Phytologist, NHEERL-COR-2366J.
WED	JOURNAL	1-Jun-00	Heppell, SS; Caswell, H; and Crowder, L. Life histories and elasticity patterns: perturbation analysis for species with minimal demographic data. Published in: Ecology 81 (3):654-665, NHEERL-COR-2367J.
WED	JOURNAL	1-Apr-00	Feldman, KL; Armstrong, DA; Dumbauld, BR; DeWitt, TH; and Doty, DC. Oysters, Crabs and Burrowing Shrimp: Review of an Environmental Conflict Over Aquatic Resources and Pesticide Use in Washington State's (USA) Coastal Estuaries. Published in: Estuaries 23 (2):141-176 (2000), NHEERL-COR-2368J.
WED	JOURNAL	1-Jul-00	Eldridge, PM; and Morse, J. A diagenetic model for sediment-seagrass interactions. Published in: Marine Chemistry 70:89-103 (2000), WED-00-002.
WED	JOURNAL	1-Mar-01	Andersen, CP; Hogsett, WE; Plocher, M; Rodecap, K; and Lee, EH. Blue wild-rye grass competition increases pine seedling sensitivity to ozone. Submitted to: Tree Physiology, WED-00-008.
WED	JOURNAL	10-Jan-01	Phillips, DL. Mixing Models in Analyses of Diet Using Multiple Stable Isotopes: a Critique. Submitted to: Oecologia, WED-00-013.
WED	JOURNAL	25-Jul-00	Andersen, CP. Ozone stress and changes below-ground: linking root and soil processes. Submitted to: Phytion, WED-00-026.

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WED	JOURNAL	21-Feb-01	Phillips, DL; and Gregg, JW. Uncertainty in Source Partitioning Using Stable Isotopes. Submitted to: <i>Oecologia</i> , WED-00-064.
WED	JOURNAL	15-Dec-00	Omernik, JM; Chapman, SS; Lillie, RA; and Dumke, RT. Ecoregions of Wisconsin. Published in: <i>Transactions of the Wisconsin Academy of Science, Arts and Letters</i> :77-103 (2000), WED-00-080.
WED	JOURNAL	1-Apr-00	Feist, BE; and Simenstad, CA. Expansion Rates and Recruitment Frequency of Exotic Smooth Cordgrass, <i>Spartina alterniflora</i> (Loisel), Colonizing Unvegetated Littoral Flats in Willapa Bay, Washington. Published in: <i>Estuaries</i> 23 (2):267-274, WED-00-109.
WED	JOURNAL	1-Feb-00	Robbins, BD; and Bell, SS. Dynamics of a Subtidal Seagrass Landscape: Seasonal and Annual Change in Relation to Water Depth. Published in: <i>Ecology</i> 81 (5):1193-1205, WED-00-110.
WED	JOURNAL	6-Nov-00	Krupa, SV; McGrath, MT; Andersen, CP; Booker F; Burkey, KO; Chjappelka, A; Chevone, B; Pell, E; and Zilinskas, B. Ambient Ozone and Plant Health. Submitted to: <i>Plant Disease</i> , WED-00-113.
WED	JOURNAL	1-Sep-00	Comparison of Geographic Classification Schemes for Mid-Atlantic Stream Fish Assemblages. Published in: <i>Journal of the North American Benthological Society</i> 19 (3):385-404 (2000), WED-00-124.
WED	JOURNAL	1-Sep-00	Hawkins, CP; Norris, RH; Gerritsen, J; Hughes, RM; Jackson, SK; Johnson, RK; and Stevenson, RJ. Evaluation of the Use of Landscape Classification for the Prediction of Freshwater Biota: Synthesis and Recommendations. Published in: <i>Journal of the North American Benthological Society</i> 19 (3):541-556 (2000), WED-00-125.
WED	JOURNAL	1-Oct-00	Heppell, S. Teaching "Math-Lite" Conservation (Book review of <i>Conservation Biology with RAMAS EcoLab</i> ). , WED-00-108.
WED	PUB REPORT	1-Aug-00	Stoddard, JL. Mid-Atlantic Highlands state of the streams, EPA/903/R-00/015 (p). U.S. Environmental Protection Agency, CERI-1-02.
WED	PUB REPORT	7-Jun-00	Landers, DH; Allen-Gil, S; Reynolds, J; Carstensen, L; Sharber, J; Bayley, P; Hughes, RM; and Andrus, C. New Perspectives in Electrofishing, EPA/600/R-99-108 (NTIS PB2000-107408). U.S. Environmental Protection Agency, WED-00-025.

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WED	SYMPOS/CONF	1-Jul-00	Olsen, AR. "Going against the current: expanding the inland aquatic monitoring culture of federal and state agencies." Washington, D.C., October 1, 1999. American Statistical Association, 2000, NHEERL-COR-2369A.
WED	SYMPOS/CONF	28-Nov-00	Young, DR; Ozretich, RJ; Lee, H, II; Echols, SF; and Frazier, JD. "Persistence of DDT residues and dieldrin off a pesticide processing plant in San Francisco Bay, CA." Lipnick, RL; Hermens, JLM; Jones, KC; Muir, DCG (Ed.), Washington, DC: American Chemical Society, 2001, 204-217, NHEERL-COR-2378A.
WED	SYMPOS/CONF	28-Aug-00	Van Sickle, J. "Modeling variable-width riparian buffers, with an application to woody debris recruitment." Int'l Conf on Riparian Ecology & Mgmt in Multi-land Use Watersheds, Portland, OR, August 27-31, 2000. Middleburg, VA: American Water Resources Association, WED-00-017.
WED	SYMPOS/CONF	31-Aug-00	Van Sickle, J. Extensions to a model of variable-width riparian buffers, with an application to woody debris recruitment. Abstract presented at: International Conference on Riparian Ecology and Management in Multi-land Use Watersheds, Portland, OR, April 27-31, 2000, WED-00-017.
WED	SYMPOS/CONF	3-May-00	Specht, DT; Young, DR; and Clinton, PJ. "Near Infrared Aerial Photo-Detection of Zostera japonica Communities in Pacific Northwest Estuarine Intertidal Habitats." Paper presented at: Sixth International Conference on Remote Sensing for Marine and Coastal Environments, Charleston, SC, May 1-3, 2000
WED	SYMPOS/CONF	31-Aug-00	Fernald, AG; Landers, DH; and Wigington, PJ. "Water Quality Effects of Hyporheic Processing in a Large River." Paper published in: AWRA Proceedings: International Conference on Riparian Ecology and Management in Multi-Land Use Watersheds, Riparian Ecology and Management in Multi-Land Use Watersheds, Portland, OR, August 28-31, 2000, Wigington, PJ; Beschta, RL (Ed.), Middleburg, VA: American Water Resources Association, 2000, 167-172, WED-00-061.
WED	SYMPOS/CONF	3-May-00	Young, DR; Cline, SP; Specht, DT; Clinton, P.J.; Robbins, BD; and Lamberson, JO. "Mapping Spatial/Temporal Distributions of Green Macroalgae in a Pacific Northwest Coastal Estuary Via Small Format Color Infrared Aerial Photography." Paper presented at: Sixth International Conference on Remote Sensing for Marine Coastal Environments, Charleston, SC, May 1-3, 2000

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WED	SYMPOS/CONF	31-Aug-00	Ringold, PL; Bollman, M.A.; Van Sickle, J; Barker, J; and Welty, J. "Predictions of Stream Wood Recruitment from Riparian Forests: Effects of Data Resolution." AWRA Conference on Riparian Ecology and Management in Multi-Land Use Watersheds, Portland, OR, August 28-31, 2000, WED-00-082.
WED	SYMPOS/CONF	3-May-00	Clinton, PJ; Young, DR; Robbins, BD; and Specht, DT. "Issues in Digital Image Processing of Aerial Photography for Mapping Submersed Aquatic Vegetation." Sixth International Conference on Remote Sensing for Marine and Coastal Environments, Charleston, SC, May 1-3, 2000, WED-01-055.