



**NCER Funded
Science to Achieve Results (STAR)
Research Projects:**

Region 4 - STAR Grant List



NATIONAL CENTER FOR ENVIRONMENTAL RESEARCH

Office of Research and Development
U.S. Environmental Protection Agency

Tabular Query Results of NCER Program and Solicitation Information

245 Abstracts are listed

Number	Identifier	Abstract	Institution	Principal Investigator	Proposed Start Date
1	none	Article on "Environmental Spectrum"	SOUTH AND SOUTHWESTERN HSRC	Nemeth, Davis, McElvaney	none
2	R826792	Ecohab: Florida; Hydrography/Physical Oceanography Component	University of South Florida and Florida State University	Gabriel A. Vargo, Wilton Sturges III, and Georges Weatherly	June 1, 1998 - May 31, 2001
3	none	Future Directions for Centerpoint	SOUTH AND SOUTHWESTERN HSRC	Nemeth, Davis, McElvaney	none
4	none	Workshop: "I Gave Them their Solution; Why Aren't They Using It?"	SOUTH AND SOUTHWESTERN HSRC	Huff, Davis, McElvaney	none
5	none	"Using Partners to Build Better Courses: Georgia Tech's Experience with Developing an Underground Storage Tank Course"	SOUTH AND SOUTHWESTERN HSRC	Huff, Tschirhart	none
6	R825156	Monitoring Regional-Scale Hydrologic Processes in the South Florida Ecosystem	Environmental Research Institute of Michigan; Duke University	Eric S. Kasischke; Curtis Richardson and Ed Romanowicz	October 1, 1996 - September 30, 1999
7	R824753	Assessing Compliance Burden for Implementation of Title V Permitting Rules and Regulations	Georgia Institute of Technology	Barry Bozeman	October 1995 - September 30, 1997
8	U915145	The Fate of Wastewater Phosphate in Saline Carbonate Groundwater: Key Colony Beach, Florida	The Pennsylvania State University	Katherine Elliott	none
9	R827453	Assessment of the Consequences of Climate Change on the South Florida Environment	Center for Marine and Environmental Analyses, Rosenstiel School of Marine and Atmospheric Science, University of Miami ¹ , Department of Biology, University of Miami ² , South Florida	Mark A. Harwell ¹ (mharwell@rsms.miami.edu), Wendell P. Cropper ¹ , Jerald S. Ault ¹ , John H. Gentile ¹ , David Letson ¹ , Jiangan Luo ¹ , Steven Tosini ¹ , John Wang ¹ , Deborah Drum ³ , Jayantha Obeysekera ³ , John C. Ogden ³ , Willifred Wolfe ² , Donald DeAngelis ^{2,4}	October 1, 1999 - September 30, 2002

			Water Management District, West Palm Beach, Florida3, USGS Biological Resou		
10	R 825197	Development of an Integrated End-To-End Marine Contaminant Management System	University of South Florida; Florida Department of Environmental Protection	Mark E. Luther, Boris Galperin, Edward S. Van Vleet, Nancy J. Schmidt, Mark S. Vincent, and Chris Friel	October 1, 1996 - September 30, 1999
11	none	Evaluating the Effectiveness of Interactive Multimedia for Disseminating Complex Environmental Research Information	Georgia Tech Research Institute; Georgia State University	Mark H. Hodges; William Evans	none
12	R826128	The Mechanisms and Effects of Endocrine Disruption on Infertility in the Bonnethead Shark on Florida's Gulf Coast	Mote Marine Laboratory, Sarasota, FL; Florida State University, Panama City; Oregon Graduate Institute, Portland, OR	Charles A. Manire, Enric Cortés, and L.E.L. Rasmussen	January 1, 1998 - December 31, 2000
13	R824783	Ecoregion-specific Comparison of Stream Community Responses to Nutrient Gradients Using Both Survey and Experimental Approaches	University of Louisville; University of Michigan ; Transylvania University	R. Jan Stevenson; Mike Wiley; Joe Holomuzki	October 1995 - September 1998
14	R827168	Social Impact Assessment of Human Exposure to Mercury Related to Land Use and Physicochemical Settings in the Alabama-Mobile River System	University of Alabama and Austin College	Jean-Claude J. Bonzongo, Eric E. Roden, Hobson C. Bryan, W. Berry Lyons, Milton G. Ward, and Indrajeet Chaubey	December 21, 1998 December 20, 2001
15	R825761	An Integrated Ecological and Socio-Economic Approach to Evaluating and Reducing Agricultural Impacts on Upper Mississippi River Watersheds	University of Wisconsin - La Crosse, The Ohio State University	P. H. Gowdaa, A. D. Wardb, T. L. Napierb, and R. J. Haroa	September 1, 1997 - August 30, 2000
16	R82-1613	Soil Invertebrates as Bioindicators of Ecosystem Stress	North Carolina State University	Deborah A. Neher	2 years
17	R825761	An Integrated Ecological and Socio-Economic Approach to Evaluating and Reducing Agricultural Impacts on Upper Mississippi River Watersheds	University of Wisconsin - La Crosse, The Ohio State University	P. H. Gowda, A. D. Wardb, T. L. Napierb, and R. J. Haroa	September 1, 1997 - August 30, 2000
18	R82-8021	Linking Environmental and Social Performance Measurement for Management at National and Watershed Levels: Modeling and Statistical Approaches	Carnegie Mellon University, Pittsburgh, PA Research Triangle Institute, Research Triangle Park, North Carolina The Woods Hole Oceanographic Institution, Woods Hole, Massachusetts	Scott Farrow, Co-Principal Investigator, Carnegie Mellon University Mitchell Small, Co-Principal Investigator, Carnegie Mellon University Tim Bondelid, Co-Principal Investigator, Research Triangle Institute Andrew Solow, Co-Principal Investigator, Woods Hole	January 10, 2000 to January 09, 2003
19	R82-1340	Numerical Simulation of Turbulent Dispersion and Relative Diffusion	Georgia Institute of Technology	P. K. Yeung	2 years
20	CR826939	CISNet: Coral Bleaching, UV	University of California,	Susan L. Anderson, Deborah L.	October 1,

		Effects, and Multiple Stressors in the Florida Keys	Davis	Santavy, Richard Zepp	1998 - September 30, 2001
21	104UAL0420	Recovery of Dilute Phosphoric Acid in Waste Streams Using Waste Gas Ammonia: The Regenerative MAP/DAP Process	University of Alabama	Gary C. April	none
22	R827957	Development of a Surface Water Object-Oriented Modeling System (SWOOMS) for the Neuse River Estuary, North Carolina	Univ. of North Carolina at Chapel Hill; Univ. of North Carolina at Charlotte	R. Luettich (rick_luettich@unc.edu); M. Alperin (alperin@email.unc.edu); J. Bowen (jdbowen@unc.edu); C. Buzzelli (buzzelli@email.unc.edu); H. Jeffries (harvey@unc.edu), H. Paerl (hpaerl@email.unc.edu); D. Stotts (stotts@cs.unc.edu)	October 1, 1999 ù September 31, 2002
23	R824687	Improving Willingness-to-Accept Responses Using Alternate Forms of Compensation	Duke University, Nicholas School of the Environment; Research Triangle Institute (North Carolina); Duke University, Fuqua School of Business	George Van Houtven and Joel Huber	October 1995 - April 1997
24	U915197-01-1	Mixed Motivations: Local Commitment to Land Use Plan Development and Implementation in Coastal North Carolina	University of North Carolina at Chapel Hill	Richard K. Norton	none
25	R825293	High-Performance Environmental Models and Class Libraries of Parallel Algorithms	University of Florida	Y. Peter Sheng and Sanguthevar Rajasekaran	January 1, 1997 - December 31, 1999
26	R824789	Mechanistic Studies of Isoprene and Aromatic Hydrocarbons	University of North Carolina at Chapel Hill	Dr. Harvey E. Jeffries	October 1, 1995 - September 30, 1998
27	R826127	Endocrine Disruptors and Host Resistance in Lake Apopka Alligators	University of Florida and Florida Caribbean Science Center, USGS)	Trenton R. Schoeb, Timothy S. Gross, Paul A. Klein, Mary B. Brown	January 3, 1998 - January 2, 2001
28	R827111	Environmental Distribution and Disease Potential of New Legionella-like Bacteria As a Function of Environmental Variables	Tennessee Technological University, Middle Tennessee State University	Sharon G. Berk, Anthony L. Newsome, Anthony L. Farone, John H. Gunderson, Nazim Uddin.	December, 1, 1998 - November 30, 2001
29	R825758	Community Values and the Long-term Ecological Integrity of Rapidly Urbanizing Watersheds	University of Georgia , The Georgia Institute of Technology	M. B. Beck, T. C. Rasmussen, B. C. Patten, K. G. Porter, B. Norton , A. Shepherd	June 1, 1998 - May 31, 2001
30	R826772	Improved Photolytic Rate Measurements at PAMS Sites	Georgia Institute of Technology	Michael O. Rodgers and James R. Pearson	March 22, 1999 - March 21, 2001
31	R825145	Multiscale Assessment of the Population Status of Thalassia testudinum A New Approach to	Florida Department of Environmental Protection; Florida International	Michael J. Durako, James W. Fourqurean; Cynthia A. Moncrieff; Paul R. Carlson, Gil	October 1, 1996 - September

		Ecosystem Assessment	University;		30, 1999
32	R825243	Anthropogenic Pollutant Effects on Aquatic Ecosystems Impacts of Atmospheric Nitrogen Deposition on Phytoplankton Dynamics and Eutrophication	University of North Carolina at Chapel Hill; Southern Regional Research Center, US Department of Agriculture, Agricultural Research Service; Mote Marine Laboratory; Rutgers University	Hans Paerl and James L. Pinckney, David F. Millie, Gary J. Kirkpatrick, Oscar M.E. Schofield,	October 1, 1996 - September 30, 1999
33	R825397	Trace Metal Dynamics in Reducing Aquatic Sediments Determination of Adsorption and Coprecipitation on Undisturbed Sediment Core Sections Using a Plug-Through Reactor	Georgia Institute of Technology	Philippe Van Cappellen	December 15, 1996 - December 14, 1999
34	R825196	Advancement of Environmental Decision Support Systems Through High Performance Computing Communication	North Carolina State University, MCNC-North Carolina Supercomputing Center	E. Downey Brill, John W. Baugh, S. Ranji Ranjithan, Daniel H. Loughlin and Steven S. Fine, Neil J. M. Wheeler	October 1, 1996 - September 30, 1999
35	R824777	Influences of Watershed Land Use on Stream Ecosystem Structure and Function	University of Georgia ; U.S. Geological Survey	Judy L. Meyer; Carol Couch	November 1995 - November 1998
36	R82-0184	Engineering of Oxidation and Granular Activated Carbon Treatment Processes to Meet New Objectives in Drinking Water Treatment	University of North Carolina	Francis A. Di Giano	2 years
37	R825286	Effectiveness of Regulatory Incentives for Sediment Pollution Prevention Evaluation Through Policy Analysis and Biomonitoring	University of North Carolina	Seth Reice and Richard N. Andrews	October 15, 1996 - October 14, 1999
38	U915152	The Effect of Sulfate and Sulfide on Mercury Methylation in Florida Everglades	University of Maryland	Janina Benoit	none
39	104UAL0446	Soil Remediation by Agglomeration with Petroleum Coke	University of Alabama	David Arnold, Robert A. Griffin	none
40	none	Remediation of TNT-Contaminated Soil by Cyanobacterial Mat	Atlanta University	M. C. Mondecar Clark	none
41	GF-95-01144	Assessment of the Effects of Rough Bed and Complex Bed Topographies on Turbulence Structures in Streams	Florida State University	Tracy W. Byrd	8/20/95
42	R823136	A Global Optimization Approach for Parameter Identification in Contaminant Transport Modeling	University of Alabama, Tuscaloosa, Alabama	Chunmiao Zheng and Pu P. Wang	October 1, 1995 - September 30, 1997
43	U915424	Adaptive Optimal Control and the	University of Georgia	Clinton T. Moore	none

		Reduction of Uncertainty in A Georgia Piedmont Forest for Multiple Wildlife Objectives			
44	R825297	Examination of the Estrogen Response Pathways in a New Vertebrate Model	Duke University Medical Center	Elwood Linney	November 11, 1996 - November 10, 1999
45	R82-1191	The Effects of Ultraviolet-B Radiation on Marine Phytoplankton Species	University of Miami	Larry Brand	3 years
46	R824562	Encouraging Innovation Through Umbrella Permitting	Research Triangle Institute	none	October 1995 - September 1997
47	R82-2546	Expression and Functional Roles of the Maize MnSod Multigene Family During Development and Under Environmental Stress	North Carolina State University	John G. Scandalios	3 years
48	none	Case Study Analysis of the Technology Transfer Process for Environmental Technologies and Processes	Georgia Tech Research Institute	Claudia H. Huff, Leigh F. McElvaney	none
49	U91-5424	A decision support system for the adaptive management of vertebrate wildlife communities	University of Georgia	Clinton T. Moore	8/24/98
50	R825201	Improved Space-Time Capabilities for the Visualization and Analysis of Multisource Disparate Data	University of Alabama-Huntsville	Michael E. Botts	October 1, 1996 - September 30, 1999
51	none	Characterization of PAH Degrading Bacteria in Coastal Sediments	Alabama A&M University	M. G. Tadros	none
52	R823130	An Investigation of the Gas Sensing Properties of a Novel Manganese-Oxide-Supported Gold Catalyst	Mississippi State University	Steven D. Gardner	October 1, 1995 - September 30, 1997
53	R825357	Aluminum Toxicokinetics Oral Absorption from Drinking Water and Brain Retention	University of Kentucky; Purdue University	Robert A. Yokel and Patrick J. McNamara, and David Elmore	November 25, 1996 - November 24, 1999
54	none	Using Trainable Networks for the Three-Dimensional Characterization of Subsurface Contamination	none	Ibrahim N. Tansel	none
55	R826307	Fate and Effects of Gymnodinium breve Toxins in the Marine Environment, Phase 1	Florida Department of Environmental Protection; Florida Marine Research Institute; and National Oceanic and Atmospheric Administration, Beaufort Laboratory	Karen A. Steidinger, Carmelo R. Tomas, and Patricia A. Tester	January 15, 1998 - January 14, 1999

56	R825157	Use of Multi-Scale Biophysical Models for Ecological Assessment Applications in the Southeastern United States	University of Tennessee	Michael A. Huston	October 1, 1996 - September 30, 1999
57	R826130	A Short-Term In Vivo Screening System For Endocrine Disruptors Utilizing Mosquitofishes (Gambusia affinis and G. holbrooki)	University of Alabama at Birmingham and, Samford University, Birmingham, Alabama	Robert Angus, R. Douglas Watson, W. Mike Howell, and Paul Blanchard	October 1, 1997 - September 30, 2000
58	R827397	Environmentally-Mediated Endocrine Disruption in Estuarine Crustaceans: A 3-Taxon Multi-Generational Study of Sediment-Associated EDC Effects from the Genetic to Population Levels	University of South Carolina, School of Public Health, Columbia, SC	G. Thomas Chandler, Ph.D. (PI) (tchandler@sph.sc.edu)	April 01, 1999 - March 31, 2002
59	R82-2509	Comparative Mechanisms of Hydrocarbon Metabolism and Genotoxicity in Two Ictalurid Fishes	Duke University	Richard T. Di Giulio	3 years
60	R82-1627	Environmental Monitoring and assessment of Wetlands Using Sedimentary Diatoms from Present and Past	University of Louisville	R. Jan Stevenson	2 years
61	none	Immunotoxicity: A Sensitive Biomarker for Polynuclear Aromatic Hydrocarbon Exposure	Clemson University Research Foundation	R. L. Dickerson; G. C. Cobb	2 year
62	R826595	Effects of Interacting Stressors in Agricultural Ecosystems: Mesocosm and Field Evaluation of Multi-level Indicators of Wetland Responses	University of Mississippi	Stephen Threlkeld, William Benson, Andrew Crain, Stephen D'Surney, Greg Easson, Clifford Ochs, Daniel Schlenk, and Marc Slattery	October 1, 1998 - September 30, 2001
63	R826129	Metabolic Androgenization of Invertebrates by Endocrine-Disrupting Chemicals	North Carolina State University	Gerald A. LeBlanc	October 1, 1997 - September 30, 2000
64	R825352	Protozoa in Risk Assessment of Legionellosis-Inadequacy of Guidelines and Monitoring	Tennessee Technological University; Middle Tennessee State University	Sharon G. Berk, Martha J.M. Wells, and Anthony L. Newsome	October 1, 1996 - September 30, 1999
65	U915405	Genetic Consequences of Fragmentation in Fraser Fir Populations	North Carolina State University	Catherine M. Clark	none
66	R824310	How People Respond to Contingent Valuation Questions	Duke University, Research Triangle Institute, University of Texas	John W. Payne, William H. Desvouges, David A. Schkade	October 1, 1995 - April 30, 1998
67	R82-1143	The Impact of Paper Mill Effluent on the Reproduction, Growth, Behavior, Fitness and Survivorship of Coastal Fishes	University of West Florida	Stephen A. Bortone	3 years
68	R827641	Biogeochemical Indicators of	University of Florida and	K. R. Reddy (krr@gnv.ifas.ufl.edu), W.	10/1/1999 -

		Watershed Integrity and Wetland Eutrophication	St. Johns River Water Management District	F. DeBusk, M. M. Fisher, W. Graham, E. F. Lowe, L. W. Keenan, and A. Ogram	9/30/2002
69	R827084	The Development of a DNA Based Specific Assay for Pfiesteria piscicida in Water and Sediments	University of Maryland Biotechnology Institutes, Baltimore1 and University of North Carolina, Greensboro2	David Oldach1 and Parke Rublee2	October 8, 1998 - October 7, 2001
70	R82-0277	Using Cadmium-113 Nuclear Resonance Spectroscopy to Study Cation Binding by Organic Matter	Georgia Institute of Technology	Michael Perdue	3 years
71	R828045	The Distribution of Specific UV Absorbance in Natural Waters: Measurement and Application to Predict DBP Speciation	Rensselaer Polytechnic Institute, Troy, NY; Clemson University, Clemson, SC	James E. Kilduff1, Ph.D., Tanju Karanfil, Ph.D.	March 2000 to March 2003
72	R828257	Investigation of Room Temperature Ionic Liquids as Environmentally Benign Solvents for Industrial Separations (TSE99-A)	The University of Alabama, Tuscaloosa, AL; The University of Florida, Gainesville, FL	Robin D. Rogers, The University of Alabama (PI); Alan R. Katritzky, The University of Florida (Co-PI)	May 1, 2000 - April 30, 2003
73	R825300	The Michigan PBB Cohort 20 Years Later Endocrine Disruption?	Emory University	Michele Marcus	November 29, 1996 - November 28, 1999
74	R82-8007	The Impact of Lawn Care Practices on Aquatic Ecosystems in Suburban Watersheds.	University of Georgia, Griffin GA.; University of Georgia, Athens, GA. Peachtree City Developmental Services, Alpharetta Environmental Services.	Kevin Armbrust, Larry Shuman, Judith Meyer, Marsha Black, Raymond Noblet, Andrew Keeler, Ted Gragson, James B. Williams, Dee West	March 1, 2000 - February 28, 2003 (3 years)
75	R825326	Water-Based Coatings via Miniemulsion Polymerization	Georgia Institute of Technology	F. Joseph Schork	October 1, 1996 - September 30, 1999
76	R826177	Environmental Applications of Novel Instrumentation for Measurement of Lead Isotope Ratios In Atmospheric Pollution Source Apportionment Studies	University of Michigan, State University of New York at Binghamton	Gerald J. Keeler, Joseph R. Graney and Alexander N. Halliday	December 1, 1997 - November 30, 1998
77	R825147	Health Indicators for Salt Marsh Estuaries of the South Atlantic Bight	University of Georgia	James J. Alberts, Ronald T. Kneib, Steven Y. Newell, and Steven Pennings	October 1, 1996 - September 30, 1999
78	U914954	Anomalous Ultraviolet Absorption by Chromophoric Dissolved Organic Matter in Coastal Seawater	University of California, Santa Barbara	Karen W. Patterson	none
79	U91-5442	Scientific uncertainty, to determine whether or not hundreds of substances cause cancer.	Duke University	Michael Levine	8/24/98

80	GF-95-00166	Uptake of Sediment-Associated Contaminants by the Deposit-Feeding Amphipod Leptocheirus Plumulosus (Shoemaker): Effects of Natural Sediment Qualities	University of South Carolina	Christian Schlekat	June 1, 1995
81	R82-2307	Simultaneous Microbial Detoxification of Chromium and Organic Pollutants	University of Kentucky	Y. T. Wang	1 year
82	R825388	Development and Application of an Air Quality Modeling System with Integrated Meteorology, Chemistry, and Emissions	Supercomputing Center of North Carolina	Aijun Xiu and Rohit Mathur	October 1, 1996 - September 30, 1999
83	R822485	Waste-Liner Compatibility Studies Using the Comprehensive Testing System for Geomembrane Liners	University of South Florida	Richard Ian Stessel, P.I., and Luis Humberto Garcia-Rubio, co-P.I.	October 1995 - September 1997
84	R824776	Resistance of Communities to Chronic Haloaromatic Contamination from Biogenic and Anthropogenic Sources	University of South Carolina	David E. Lincoln, Sarah A. Woodin, Charles R. Lovell, V. Pernell Lewis	January 1996 - December 1998
85	R826111	Applying Ecological Succession Theory to Evaluate Wetland Restoration in Urbanizing Coastal Watersheds	Joseph W. Jones Ecological Research Center, George Mason University, North Carolina State University, University of Louisville	C.B. Craft, J.P. Megonigal, S.W. Broome and R.J. Stevenson	June 1, 1998 - May 31, 2001
86	R823570	Genetic Improvement of Duckweed Wastewater Treatment	North Carolina State University	Anne Marie Stomp	June 26, 1995 - June 25, 1998
87	GF-95-00482	Formation and Partitioning of Dissolved and Particulate Methylmercury in Contrasting Wetland Environments	University of Wisconsin	Susan Ann Holloway	9/95
88	R825376	A Study of the Gas/Particle Partitioning of Chlorinated Dibenzodioxins (CDDs) and Chlorinated Dibenzofurans (CDFs) to Ambient and Model Aerosol Materials	none	James F. Pankow, Oregon Grad. Inst. of Science & Technology	October 1, 1996- September 30, 1999
89	R822251	Spectral Characterization of Humic Substances	Department of Chemistry, Duke University	Linda B. McGown	October 1, 1995 - September 30, 1998
90	U91-5402	Environmental and Economic Effects from Changes in Forest Cover Resulting from Suburban Development Policies in Northern Virginia	Duke University	Crystal Grace Lovett	8/31/98
91	none	Aqueous Absorption and Kinetics of NO by Strong Oxidizing Agents	North Carolina A&T State University	Yusuf G. Adewuyi, PhD	none

92	R826171	Superior Subsurface Characterization Using Fractal-Based Hydraulic Conductivity Distributions	Clemson University	Fred J. Molz, III	November 17, 1997 - November 16, 2000
93	U91-5318	Interface strength is a critical parameter in the design of landfills.	Georgia Institute of Technology	Tamara E. Zettler	9/15/98
94	094UCF2338	Hydrodynamic Modeling of Leachate Recirculating Landfill	University of Central Florida	Debra R. Reinhart, Basel Al-Yousfi	none
95	R828176	Predicting Day and Nighttime Aerosol Yields from Biogenic Hydrocarbons with a GasParticle Phase Kinetic Model	Department of Environmental Sciences and Engineering, University of North Carolina, Chapel Hill, NC	Richard M. Karens, Mohammed Jaoui, Harvey E. Jeffries	July 17, 2000 to July 16, 2002
96	R825283	Measuring and Apportioning Children's Exposure to Pesticide in Urban, Suburban, and Rural Communities	University of Minnesota, Research Triangle Institute, Environmental & Occupational	Ken Sexton, Edo Pellizari, Paul Lioy, Pam Shubat,	October 1, 1996 - September 30, 1999
97	R823526	Catalytic Dehalogenation of PCBs and Pesticides in Supercritical Fluids	University of Georgia Research Foundation and the Department of Chemistry at the University of Georgia	R. Bruce King	October 1, 1995 - September 30, 1997
98	104LUB2383, 104UCF2383	Photocatalytic Oxidation of NOx and Recovery as Nitric Acid	Lamar University, University of Central Florida	Daniel H. Chen, Thomas Ho, Clovis A. Linkous	none
99	none	Mobilization and Fate of Inorganic Contaminants Due to Resuspension of Cohesive Sediment	Georgia Institute of Technology	T. W. Sturm, A. Amirtharajah, and C. L. Tiller	none
100	R826938	CISNet for the Neuse River Estuary, NC: A Program for Evaluating Nitrogen Driven Eutrophication Associated with Changing Land Use in a Coastal Watershed	University of North Carolina at Chapel Hill	Richard A. Luetlich, Jr., Hans Paerl, Jay Pinckney	October 1, 1998 - September 30, 2001
101	R825404	Influence of Nonionic Surfactants on the Bioavailability of Chlorinated Benzenes for Microbial Reductive Dechlorination	Georgia Tech Research Corp.	Spyros G. Pavlostathis and Kurt D. Pennell	November 12, 1996 - November 11, 1999
102	U91-5461	Comparative Mechanisms of Benzo[a]pyrene Metabolism and DNA Repair in Two species of Ictalurid Catfish	Duke University	Michelle Rau	9/1/98
103	R826098	Effects of Nutrient Enrichment and Large Predator Removal on Seagrass Nursery Habitats: An Experimental Assessment	Dauphine Island Sea Lab, University of South Alabama	Kenneth L. Heck, Jr., Jonathan R. Pennock & John F. Valentine	January 1, 1998 - December 31, 1999
104	R827124	Synthesis of Acetic Acid via Carboxylation of Methane	NC State University,1 Research Triangle	George W. Roberts,1 James J. Spivey2	September 30, 1998 -

			Institute2		September 30, 2001
105	U91-5405	An analysis of pollen flow and genetic differentiation in eastern North American Abies Mill	North Carolina State	Catherine M. Clark	8/17/98
106	U914989	Synthesis of Novel Perfluoropolyethers for Utilization in Nontoxic Fouling Release Coatings	University of North Carolina at Chapel Hill	William C. Bunyard	none
107	none	Controls on Metal Partitioning in Contaminated Sediments	Georgia Institute of Technology; Skidaway Institute of Oceanography	F. M. Saunders; H. L. Windom, R. A. Jahnke	none
108	R824995	Integrated Assessment of the Public Health Effects of Climate Change for the United States	Johns Hopkins University, University of Maryland, University of South Florida, Penn State University, Georgia Institute of Technology, USDA, University of Delaware	Jonathan Patz, Hugh Ellis, Rita Colwell, Joan Rose, Anne Fisher, Anne Bostrom, Dana Focks, and Laurence Kalkstein	October 1, 1996 - September 30, 1999
109	none	Field Testing of A Solar Assisted System for Detoxification of Water	Michigan Technological University	J.C. Crittenden, D.W. Hand, and Yin Zhang,	none
110	R825248	Surface Levels of Ultraviolet-B Radiation Under Variable Conditions of Tropospheric Air Quality And Cloudiness	North Carolina State University; University of Chicago	V.K. Saxena and J.E. Frederick	October 1, 1996 - September 30, 1999
111	R825325	Nearcritical Water For Environmentally Benign Chemical Processing	School of Chemical Engineering and Chemistry, Georgia Institute of Technology	C.A. Eckert and C.L. Liotta	October 1, 1996 - September 30, 1999
112	R824760	Contaminant-Induced Changes in Hepatic Steroid Hormone Degradation	University of Florida	Louis J. Guillette, Jr.	October 1995 - September 1998
113	GF-95-00234	Assessing the Exposure of Winter Flounder to Genotoxic Compounds in Boston Harbor and Massachusetts Bay by Measuring Carcinogen-DNA Adducts	North Carolina State University	Phanendrakumar Penmetsa	June 1995
114	R826372	Southern Center For the Integrated Study of Secondary Air Pollutants (SCISSAP)	Georgia Institute of Technology	William L. Chameides	April 1, 1998 - March 31, 2001
115	104UAL4276	Waste Minimization in the Magnetic Tape Industry: Waterborne Coating Formulations for Magnetic Tape Manufacture	University of Alabama	David E. Nikles, Alan M. Lane	none
116	R825331	Pollution Prevention in Industrial Condensation Reactions	Research Triangle Institute	James J. Spivey and Makarand R. Gogate	October 1, 1996 - September 30, 1999

117	R824727	High Yield Membrane Reactors	Georgia Institute of Technology	Mary Rezac and Haskell Beckham	October 1, 1995 - September 30, 1998
118	none	Nickel Speciation Of Residual Oil Ash	University of North Dakota EERC, University of Kentucky, University of Louisville	Kevin C. Galbreath (EERC), Christopher J. Zygarlicke (EERC), Donald L. Toman (EERC), Frank E. Huggins (University of Kentucky), Gerald P. Huffman (University of Kentucky), and John Wong (University of Louisville)	9/30/98 ending date
119	R825200	Parallel Least-Squares Finite Element Method for Large Eddy Simulation of Large Scale Environmental Flows and Transport Processes	University of Kentucky Research Foundation	Tate T. H. Tsang, Scott A. Yost and Zhaojun Bai	November 1, 1996 - October 31, 1999
120	R825439	Sediment Contaminant Effects on Genetic Diversity New Approach using DNA Analyses of Meiobenthos	University of South Carolina	Bruce C. Coull, G. Thomas Chandler and Joseph M. Quattro	February 24, 1997 - February 23, 2000
121	U91-5355	The rates of ligand-assisted dissolution of metal oxide solids	University of North Carolina at Chapel Hill	Owen W. Duckworth	8/18/98
122	U914999	Succession and Carbon Dynamics of Boreal Permafrost Peatlands During Rapid Climate Warming	Duke University	Philip Camill	none
123	R826180	Destruction of PCBs, CAHs, CFCs and Organic Nitro/Nitrate Wastes in Soils and Bulk with CaNH3 at Ambient Temperature.	Mississippi State University	Charles U. Pittman, Jr.	February 1, 1998 - January 31, 2001
124	R825308	Valuing Reductions in Environmental Sources of Infertility Risk Using the Efficient Household Framework	Research Triangle Institute; Duke University	George Van Houtven and V. Kerry Smith	October 1, 1996 - September 30, 1997
125	R826270	Mechanisms of Particulate-Induced Mediator Expression in Human Airway Epithelial Cells	University of North Carolina at Chapel Hill	William Reed, Lee M. Graves	December 15, 1997 - December 14, 2000
126	R825262	A Numerical Study of the Effects of Large Eddies on Trace Gas Measurements and Photochemistry in the Convective Boundary Layer	University of Alabama in Huntsville, National Oceanic and Atmospheric Administration, Oak Ridge, TN	Richard T. McNider, A.P Biazar, J.A. Song, and Jerold A. Herwehe	February 3, 1997 - February 2, 2000
127	R826300	Dioxin and Steroid Regulation in an Endometriosis Model	Vanderbilt University School of Medicine	Kevin G. Osteen	December 15, 1997 - December 14, 2000
128	R827105	Rapid Assessment of Coral Stress Using Gene Expression	Georgia Institute of Technology	Terry W. Snell	October 1, 1998 - October 1, 2001
129	R824699	Innovation in the Valuation of	Vanderbilt University; Oak	Clifford Russell and Virginia Dale	October

		Ecosystems A Forest Application	Ridge National Laboratory		1995 - September 1997
130	R820779	Microbial Mediation of Hlo/Hg2+ Cycling in Soil and Water	University of Georgia	Anne O. Summers	3 years
131	R826201	Validation of Sediment Quality Criteria in Southeastern Estuaries	Marine Resources Research Institute, South Carolina Department of Natural Resources, Charleston, SC	Amy Huffman Ringwood	December 1, 1997 - November 30, 2000
132	U915355	Ligand Assisted Dissolution of Hematite	University of North Carolina at Chapel Hill	Owen Duckworth	none
133	R826216	Hydrodynamics of Initial Mixing Zones of Wastewater Discharges	Georgia Institute of Technology	Philip J.W. Roberts	October 1, 1997 - September 30, 2000
134	GF-95-02084	The Influence of Aging on the Pharmacokinetics and Pharmacodynamics of Carbon Tetrachloride In Fisher-344 Rats	University of Georgia	Daniel Schoeffner	5/1/95
135	R825957	Metabolic Fate of Halogenated Disinfection By-Products In Vivo, and Relation to Biological Activity	University of North Carolina at Chapel Hill	Louise M. Ball	January 23, 1998 - January 22, 2001
136	R826099	Biocontrol by Native Generalist Predators: A Strategy for Reducing Pesticide Use in Vegetable Production	University of Kentucky Research Foundation	David H. Wise	October 1, 1997 - September 30, 2000
137	R825869	Foraminifera as Ecosystem Indicators: Phase 1. A Marine Benthic Perturbation Index; Phase 2. Bioassay Protocols	University of South Florida	Pamela Hallock Muller	October 1, 1997 - September 30, 2000
138	R825257	Oxygenated Volatile Organic Compounds Elucidation of Atmospheric Sources	University of Miami	Rod G. Zika	October 21, 1996 - October 20, 1999
139	R826310	Exposure and Response of Morelet's Crocodile (Crocodylus moreletii) Populations to Endocrine Disrupting Compounds in Belize, Central America	Texas Tech University	Scott T. McMurry	December 1, 1997 - November 30, 2000
140	R825205	Tightly Coupling Environmental Models with Spatial Analyses in High-Performance Computing and Communications Environments	Supercomputing Center of North Carolina	Hassan A. Karimi	October 28, 1996 - October 27, 1999
141	R825204	Parallel Geographic Information Systems for Solving Complex Environmental Problems	Supercomputing Center of North Carolina	Hassan A. Karimi	October 28, 1996 - October 27, 1999
142	R826655	Detection and Identification of the Toxins from Pfiesteria and	University of Miami	Robert E. Gawley, Daniel G. Baden	September 1, 1998 -

		Related Harmful Algal Blooms			August 31, 2001
143	U91-5361	Studies of Aerosol Composition, Partitioning and Heterogeneous Chemistry using Infrared Spectroscopy	University of North Carolina at Chapel Hill	Cindy DeForest Hauser	8/16/98
144	R824710	Valuing Environmental Damages with Stated Preference Methods New Approaches that Yield Demonstrably Valid Values for Non-Priced Environmental Goods	Georgia State University	Ronald G. Cummings, Laura L. Osborne, James Pate, and Paul Brewer	November 1995 - October 1996
145	U915321	Passive Aerosol Sampler to Estimate Long-Term Average Concentrations and Size Distributions	University of North Carolina, Chapel Hill	Jeff Wagner	none
146	104MSU0442	Ultrasonic Enhancement of the Removal of Heavy Metals	Mississippi State University	Dennis Truax, Krishnan Balasubramaniam	none
147	R825279	Meiofaunal Validation of EqP-Based Sediment Quality Criteria for Metal Mixtures in Estuarine Sediments Population to Community-Level Culturing Studies of Biogeochemical Controls on Bioavailability and Toxicity	University of South Carolina	G. Thomas Chandler and Timothy J. Shaw	January 1, 1997 - December 31, 1999
148	U915020	Selective Logging Effects on Habitat Quality As Determinants of Habitat Occupancy by Acadian Flycatchers	University of Memphis	Gary D. Zenitsky	none
149	none	Assessing Metal Speciation in the Subsurface Environment	Oregon State University	John C. Westall	none
150	R827098	Use of a Transgenerational Model to Evaluate Threshold Effects of Endocrine Disrupting Chemicals in Fish	The University of Mississippi	William H. Benson and Alison C. Nimrod	October 1, 1998 - September 30, 2001
151	R823881	Immunotoxicity of Combined TBT and Co-planar PCB Exposures in Fish	Center For Environmental Health Sciences, College of Veterinary Medicine, Mississippi State University	Charles D. Rice	October 1, 1995 - September 30, 1998
152	R826109	Mechanism of Salinity-Induced Toxicity of Aldicarb in Euryhaline Fish	The University of Mississippi	Daniel Schlenk	December 29, 1997 - December 28, 2000
153	R823191	Low-Level Radioactive Waste Siting Toward the Development of More Effective Policy Through Understanding Failure	University of Florida	Stan Albrecht	June 5, 1995 - June 4, 1998
154	U915463	Mechanisms of Nicotine-Induced Neurotoxicity in the Developing Brain	Duke University	Jennifer Trauth	none

155	U915318	The Influence of Shear and Strain-Induced Changes in Surface Topography on Interface Strength	Georgia Institute of Technology	Tamara E. Zettler	none
156	U91-5463	Tobacco smoke as a serious environmental hazard.	Duke University	Jennifer Trauth	7/1/98
157	R825346	Heme Adducts from NitroPAH Characterization and Mechanisms of Formation	University of North Carolina at Chapel Hill	Louise M. Ball	November 18, 1996 - September 17, 1999
158	R823450	Environmental Xenoestrogens and Reproductive Toxicity in Fish	The University of Mississippi	William H. Benson	October 1995 - September 1997
159	U91-5425	Pesticide chlorpyrifos (Dursban(r))	Duke University Medical Center, Dept. of Pharmacology	Kristina Dam	9/1/98
160	U915410	Disinfection Efficacy Studies with Electrochemically Generated Mixed Oxidants in the Development of Ct Values for Drinking Water Pathogens	University of North Carolina, Chapel Hill	Sacoby Wilson	none
161	R826115	Nonionic Surfactants for Dispersion Polymerizations in Carbon Dioxide	University of North Carolina at Chapel Hill	Joseph M. DeSimone	November 1, 1997 - October 31, 2000
162	R826944	CISNet: Molecular to Landscape-Scale Monitoring of Estuarine Eutrophication	University of South Carolina	James T. Morris, Madilyn Fletcher, John Jensen, Alan Lewitus, Peter A. Noble, and Dwayne Porter	October 1, 1998 - September 30, 2001
163	U915392	Analysis of Biodiversity Conservation in the Gulf of Honduras Region	Duke University	Ted Cheeseman	none
164	R825170	Assessing Levels of Organophosphorus Insecticides Which Could Expose Children From Pets Treated with Flea Control Insecticides	Mississippi State University	Janice E. Chambers, John Tyler, and J. Scott Boone	October 1, 1996 - September 30, 1999
165	U915158	Microtransport and Partitioning of Semi-Volatile Organic Compounds in Combustion Aerosols	University of North Carolina	Michael R. Strommen	none
166	U915461	Possible Estrogenic Effects of Hog Waste Runoff on the Aquatic Environment	Duke University	Michelle Rau	none
167	R826136	Arsenicals, Glutathione Reductase and Cellular Redox Status	University of North Carolina at Chapel Hill; University of British Columbia, Vancouver	Miroslav Styblo, William R. Cullen, Melinda A. Beck	September 1, 1997 - August 31, 2000
168	R826732	Polymer-Based Aqueous Biphasic Extraction Technology for	The University of Alabama	Robin D. Rogers; Jonathan G. Huddleston; J. Wiest, G. C. April	October 1, 1998 -

		Reaction Engineering of the Alkaline Paper Pulping Process			September 30, 2001
169	R827101	Comparative Mechanisms of Benzo[a]pyrene Metabolism and DNA Repair in Two Species of Ictalurid Catfish	Duke University	Richard T. Di Giulio, Kristine L. Willett, Joel Meyer, Elizabeth MacLean	October 1, 1998 - September 30, 2001
170	U915425	Developmental Neurotoxicity of Chlorpyrifos: Mechanisms and Consequences	Duke University	Kristina Dam	none
171	U915442	Scientific Uncertainty in Environmental Regulation	Duke University	Michael LeVine	none
172	R825418	Effect of Spatial Heterogeneity on the Natural Bioattenuation of Dissolved Hydrocarbons	North Carolina State University	Morton A. Barlaz, Robert C. Borden	October 28, 1999 - October 27, 1999
173	R825296	Biochemical and Reproductive Effects of Gestational/Lactational Exposure to PCB's with Respect to Endogenous Sex Steroids and the Proestrogen, Methoxychlor	Mississippi State University	Janice E. Chambers, Nancy Cox, Russell L. Carr, and C. Pat McCoy	December 5, 1996 - December 4, 1999
174	R826837	Detection and Occurrence of Human Caliciviruses in Drinking Water	University of North Carolina at Chapel Hill	Mark D. Sobsey	January 1, 1999 - December 31, 2000
175	R826771	Partitioning of Semivolatile Organic Compounds in Organic and Inorganic Aerosols: A Unified Approach	University of North Carolina (Chapel Hill)	Richard Kamens, Myoseon Jang, Bharadwaj Chandramouli, and Michael Strommen	October 1, 1998 - September 30, 2001
176	R826767	Aerosol Partitioning and Heterogeneous Chemistry	The University of North Carolina at Chapel Hill	Roger E. Miller and Cindy DeForest Hauser	October 1, 1998 - September 30, 2001
177	U915179	Investigating Hierarchical Statistical Methods for Physiologically Based Pharmacokinetic Models	North Carolina State University	Amy S. Collins	none
178	U915419	Environmental Salinity and Stingray Gills: from Biochemistry to Conservation Biology	University of Florida	Peter Piermarini	none
179	R825952	Development of a New, Simple, Innovative Procedure for the Analysis of Bromate and Other Oxy-Halides at Sub-ppb Levels in Drinking Water	University of North Carolina at Chapel Hill	Howard S. Weinberg and Philip C. Singer	September 1, 1997 - August 31, 1999
180	R826609	The Role of Locational Equilibria and Collective Behavior in Measuring the Benefits of Air Pollution Policies	Duke University	V. Kerry Smith and Holger Sieg	September 1, 1998 - August 31, 2001
181	R827401	Endocrine Disruption in Marine Gastropods by Environmental Chemical Mixtures	Duke University	Patricia D. McClellan-Green (pmcclell@acpub.duke.edu)	September 1, 1999 - August 31,

					2002
182	R825199	Knowledge-based Environmental Data Analysis	Supercomputing Center of North Carolina	Steven S. Fine, Steven R. Thorpe, W. Ted Smith, and Neil J. M. Wheeler	October 29, 1996 - October 28, 1999
183	R825159	Development and Application of Spectroscopic Probes for Measurement of Microbial Activity in Aquatic Ecosystems	University of North Carolina; University of Maryland-College Park	Carol Arnosti and Neil V. Blough	November 1, 1996 - October 31, 1999
184	R825211	Practical Parallel Computing Strategies, with Application to Air Quality and Cross-Media Models	Supercomputing Center of North Carolina	Carlie J. Coats	October 1, 1996 - September 30, 1999
185	R825409	Investigation of the Entrapment and Surfactant Enhanced Recovery of Nonaqueous Phase Liquids in Heterogeneous Sandy Media	University of Michigan; Georgia Institute of Technology; Auburn University	Linda M. Abriola, Kurt D. Pennell, and Jacob H. Dane	November 1, 1996 - October 31, 1999
186	R825795	The role of ecosystem processes in restoring local and regional species diversity in Coastal Plain wetlands	Illinois Natural History Survey, University of Illinois; College of Charleston	William J. Resetarits, Jr., John E. Fauth	September 1, 1997 - August 31, 2000
187	none	Eutrophication of Coral Reefs	none	Rafael A. Olivieri	none
188	R826833	Formation and Stability of Ozonation By-Products in Drinking Water	University of North Carolina at Chapel Hill	Howard S. Weinberg	November 1, 1998 - October 31, 2001
189	R827581	Coal Combustion Wastes: New Concerns About an Old Problem	University of Georgia, Savannah River Ecology Laboratory	J.D. Congdon (condon@srel.edu), C.L. Rowe, W.A. Hopkins	08/15/99-08/14/00
190	U915159	The Influence of Nanofiltration on Distribution System Biostability	University of Central Florida	Isabel C. Escobar	none
191	R826104	Transport Mechanisms for Zinc Across Gill and Intestinal Epithelia of Fish	University of Kentucky	Christer Hogstrand	November 15, 1997 - November 14, 2000
192	R82-8011	Identification and Control of Non-Point Sources of Microbial Pollution in a Coastal Watershed	University of California, Irvine, CA 92697 University of California, Irvine, CA 92697 University of California, Berkeley, CA 94720 University of California, Irvine, CA 92697 University of North Carolina, Chapel Hill, NC 27599	Brett Sanders (PI) - Asst. Prof., Dept. of Civil and Environmental Engineering. Stanley Grant (co-PI) - Assoc. Prof., Dept. of Civil and Environmental Engineering. Alex Horne (co-PI) - Prof., Dept. of Civil and Environmental Engineering. Robin Keller (co-	August 1, 2000 - July 31, 2003
193	U915339	The Role of Structural Complexity in Predator-Prey Interactions	University of Wisconsin, Madison	David Bruce Lewis	none
194	R827113	Investigation of Four-Dimensional Data Assimilation Methodologies	MCNCûNorth Carolina Supercomputing Center	Aijun Xiu, Xiaolei Zou, Rohit Mathur, and Adel Hanna	October 1, 1998 û

		for Air Quality Models	and Florida State University		September 30, 2001
195	U915199	Genetic Algorithms in the Environmentally-Conscious Design of A Softwood Kraft Pulp Bleach Plant	Georgia Institute of Technology	John M. Clayton	none
196	R827580	Closing the Gaps in the Regulation of Municipal Solid Waste Landfills: Defining the End of the Post-Closure Monitoring Period and the Future Stability of Leachate Recirculation Landfills	North Carolina State University	Morton A. Barlaz (barlaz@unity.ncsu.edu) and Mohammed A. Gabr	9/13/99 - 9/12/00
197	none	Field Test of In-Situ Vapor Stripping for Removal of VOCs from Groundwater	Stanford University	Steven M. Gorelick	none
198	U915248	Forest Management and Fruit Harvest in Amazon Forest	University of Florida	Susan Moegenburg	none
199	R824747	Development of a Model Pollution Prevention Diffusion Partnership for Small Business	University of North Carolina-Charlotte	Randall D. Forsythe and Alisa B. Wickliff	October 1, 1995 - September 30, 1997
200	R827121	Solvent-less, Electron Beam-Cured Vinyl Ether Coating Formulations for Flexible Magnetic Media Manufacture	The University of Alabama	David E. Nikles	October 1, 1998 - September 30, 2001
201	none	The Application of Plant Biotechnology in Bioremediation of Contaminated Sediments	Alabama State University	S.V. Sahi	none
202	none	Wildlife Bioaccumulation and Effects	Center for Ecological Health Research (Cal-Davis)	Daniel Anderson	6/30/95 ending date
203	R826597	Land Use and Geomorphic Indicators of Biotic Integrity in Piedmont Streams	The University of Georgia	D. S. Leigh, B. J. Freeman, M. C. Freeman, E. A. Kramer, C. M. Pringle, and A. D. Rosemond	January 1, 1999 - December 31, 2001
204	R826247	Transformations of Selected Organic Urban HAPs: Mechanistic and Modeling Studies to Identify Cancer and Non-Cancer Human Health Risk	University of North Carolina at Chapel Hill	Harvey E. Jeffries	December 8, 1997 - December 7, 2000
205	R824782	Detecting Fecal Contamination and Its Sources in Water and Watersheds	University of North Carolina-Chapel Hill	Mark D. Sobsey	October 1, 1995 - October 31, 1998
206	R826728	Solventless, Electron Beam-Cured Acrylate Coating Formulations for Flexible Magnetic Media Manufacture	Center for Materials for Information Technology and Center for Green Manufacturing, The University of Alabama	David E. Nikles	October 1, 1998 - September 30, 2001
207	R826773	A Modeling Investigation of NHx Cycling in the Troposphere and Its	MCNC-North Carolina Supercomputing Center	Rohit Mathur, Uma Shankar, Carlie J. Coats, John McHenry, and Marc	October 1, 1998 -

		Impact on Particulate Matter and Acidic Substances Budgets		Houyoux	September 30, 2001
208	U9152180	Identification of A Domain Responsible for the Negative Function of Rtarnta in Ah Receptor Signalling	Medical University of South Carolina	Brian M. Necela	none
209	none	Transformation of TCE by Methanotrophic Biofilms .Principal Investigators. Perry L. McCartyStanford University Goals: The goals of this project are to: . Develop and evaluate the overall performance of a biofilm model for cometabolic chlorinated aliphatic	none	none	none
210	R827131	The Effects of Aging and Sorbent Decomposition on the Bioavailability of Toluene and Xylene in Solid Waste	North Carolina State University	Morton A. Barlaz and Detlef R.U. Knappe	October 1, 1998 - September 30, 2001
211	R827441	Fetal Metabolism of Aflatoxin B1 and Susceptibility to Childhood Cancer	Department of Physiological Sciences, University of Florida	Evan Gallagher, Ph.D (gallaghere@mail.vetmed.ufl.edu)	7/1/99-6/30/02
212	R826100	Spatial and Temporal Environmental Variation in a Eutrophic Coastal River: Impacts on Fish and Marine Mammals	Duke University Marine Laboratory	Larry B. Crowder and Andrew J. Read	October 20, 1997 - October 19, 2000
213	R826239	Exploration of uncertainty in the simulation of power plant plume chemistry	University of Alabama in Huntsville	Noor V. Gillani	January 3, 1998 - January 2, 2001
214	U915361	Characterization of Anthropogenic Aerosols: Time-Resolved Infrared Spectroscopy	University of North Carolina at Chapel Hill	Cindy DeForest Hauser	none
215	R826836	Assessment of Human Dietary Ingestion Exposures to Water Disinfection Byproducts via Food	Research Triangle Institute, NC	J. H. Raymer, G.G. Akland, E.D. Pellizzari, C.A. Clayton, D.J. Smith	October 1, 1998 - September 30, 2001
216	R825210	Assimilation of Remote-Sensing Data Into a Coupled Hydrological/Meteorological Modeling System Using Parallel Techniques	Supercomputing Center of NC; Georgia Institute of Technology	John McHenry and Christa Peters-Lidard	December 2, 1996 - December 1, 1999
217	R826113	Synthetic Methodology "Without Reagents" Tandem Enzymatic and Electrochemical Methods for the Manufacturing of Fine Chemicals	University of Florida	Tomas Hudlicky, Gabor Butora, David Gonzalez	September 1, 1997 - August 31, 2000
218	R827016	Mapping Gene Loci for Susceptibility to Cadmium-Induced Embryotoxicity	University of Louisville, University of Pennsylvania	M. Michele Pisano, Robert M. Greene, Wade H. Berrettini	September 15, 1998 - September 14, 2001

219	R828157	Tailoring Activated Carbon Surfaces for Water, Wastewater and Hazardous Waste Treatment Operations	Clemson University and Rensselaer Polytechnic Institute	Tanju Karanfil, Ph.D. and James E. Kilduff, Ph.D.	June 1, 2000 to May 31, 2002
220	R827631	Response of Methylmercury Production and Accumulation to Changes in Hg Loading: A Whole-ecosystem Mercury Loading Study	The Academy of Natural Sciences Estuarine Research Center, The University of Maryland, Chesapeake Biological Laboratory, Canada Department of Fisheries and Oceans, Freshwater Institute	Cynthia C. Gilmour (gilmour@acnatsci.org), Andrew Heyes, Robert P. Mason, and John M. Rudd	Oct. 1, 1999 - Sept. 30, 2002
221	R825821	Cost-benefit and Uncertainty Analysis for Ambient Ozone Reductions: Development and Demonstration of an Integrated Model and Framework	Resources for the Future, Georgia Institute of Technology	Jhih-Shyang Shih, Alan J. Krupnick, Armistead G. Russell	October 1, 1997 - September 30, 2000
222	R824786	A Comparison of Agricultural vs. Forested Basins Carbon and Nutrient Cycling Within the Hyporheic Ecotone of Streams	Murray State University (4 co-PIs)	David White	November 1996 - October 1998
223	none	Freshwater Bioturbators in Riverine Sediments as Enhancers of Contaminant Release	Alcorn State University	A. D. W. Acholonu	none
224	R826139	Studies of the Infectivity of Norwalk and Norwalk-like Viruses	University of North Carolina at Chapel Hill	Christine L. Moe, William Heizer, Paul Stewart, Jeffrey A. Frelinger	January 16, 1998 - January 15, 2001
225	U915209	Transforming Growth Factorα (tgfα) in Teleost Fish: Development of A Quantitative Assay for Mrna Expression and Application to A Field Study of Fish Health	North Carolina State University	Craig A. Harms	none
226	R827090	ECO HAB: Control of Harmful Algal Blooms using Clay	Woods Hole Oceanographic Institution,1 Mote Marine Laboratory,2 EPA Gulf Ecology Division,3 Institute for Marine Biosciences, National Research Council, Canada4	Donald M. Anderson,1 Richard Pierce,2 Richard M. Greene,3 Michael Lewis,3 Peter Chapman,3 V. Monica Bricelj4	November 23, 1998 ù November 22, 2001
227	104UCF0423	Sequential Environments for Enhanced Bioremediation of Chlorinated Aliphatic Hydrocarbons	University of Central Florida	Andrew A. Randall, A. Basel Al-Yousfi	none
228	R826739	New Methods for Assessment of Pollution Prevention Technologies: Integration of Probabilistic Process Modeling	North Carolina State University	H. Christopher Frey and Morton A. Barlaz	October 1, 1998 - September 30, 1999

		and Design; Life-Cycle Analysis; and Regional Environmental Benefits Assessment			
229	R826790	Probabilistic Modeling of Variability and Uncertainty in Urban Air Toxics Emissions	North Carolina State University	H. Christopher Frey	October 1, 1998 - September 30, 2001
230	R826766	Development and Demonstration of a Methodology for Characterizing and Managing Uncertainties in Emission Inventories	North Carolina State University and MCNC	H. Christopher Frey, Marc Houyoux, Daniel Loughlin, Steven S. Fine, and Hassan K. Karimi	October 1, 1998 - September 30, 2001
231	R826371	Research Consortium on Ozone and Fine Particle Formation in California and in the Northeastern United States	California Institute of Technology, University of California at Riverside, New Jersey Institute of Technology, University of California at Irvine, Carnegie-Mellon University, Oregon Graduate Institute of Science and Technology, Georgia Institute of Techno	Glen Cass, Richard Flagan and John Seinfeld; Janet Arey, Roger Atkinson, and Kimberly Prather; Joseph Bozzelli; Donald Dabub; Cliff Davidson and Spyros Pandis; James Pankow; Armistead Russell	April 15, 1998 - April 14, 2001
232	R827637	Developing an Indicator for Nutrient Supply in Tropical and Temperate Estuaries, Bays, and Coastal Waters Using the Tissue Nitrogen and Phosphorus Content of Macroalgae	University of California Los Angeles, Los Angeles, CA	Peggy Fong (pfong@biology.ucla.edu)	August 1, 1999 - July 31, 2002
233	R827028	Development and Evaluation of Modeling Techniques for the Study of Interactions between Urban and Point Source Plumes and Regional Atmospheres in the Formation of Secondary Pollutants	Georgia Institute of Technology and North Carolina State University	M. Talat Odman and D. Scott McRae	January 15, 1999 - January 14, 2002
234	R826770	Development of Techniques for Assimilating GOES Satellite Data into Regional-Scale Photochemical Models	University of Alabama in Huntsville	R. T. McNider, W. B. Norris, and S. A. Christopher	July 1, 1998 - June 30, 2001
235	R827444	Study of Exposure and Body Burden of Children of Different Ages to Pesticides in the Environment	Research Triangle Institute	J. H. Raymer [Jraymer@RTI.ORG] (P.I.), Research Analytical Chemist, RTI; G.Akland, Principal Scientist, RTI; T. Wilcosky, Epidemiologist, RTI; E. D. Pellizzari, Analytical Biochemist, C. A. Clayton, Principal Scientist, RTI.	September 1, 1999 - August 31, 2002
236	none	Bioremediation of Sediments Contaminated with Polynuclear Aromatic Hydrocarbons	Rice University	J. B. Hughes and C. H. Ward	none
237	R826787	Testing of a Model to Predict Human Exposures to Aldehydes	Research Triangle Institute, TRJ	James H. Raymer, Gerald G. Akland, Edo D. Pellizzari, Ted Johnson,	October 1, 1997 -

		Arising from Mobile and Point Sources	Environmental, Inc.	C.Andrew Clayton	September 30, 2001
238	R826765	Investigation of Indicators for Ozone-NOx-VOC Sensitivity	University of Michigan	Sanford Sillman	October 1, 1998 - September 30, 2001
239	R826687	Immunotoxicity of Both Nondegraded and Biodegraded Polychlorinated Biphenyls (PCBs)	Medical University of South Carolina	Lucille London	September 15, 1998 - September 14, 2001
240	R827994	Cardiovascular Responses to Particulate Air Pollution	Pennsylvania State University; University of North Carolina at Chapel Hill	Duanping Liao, Vernon M. Chinchilli; Gerardo Heiss, Carl Shy	January 2000 - January 2003
241	R827994	Cardiovascular Responses to Particulate Air Pollution	Pennsylvania State University; University of North Carolina at Chapel Hill	Duanping Liao, Vernon M. Chinchilli; Gerardo Heiss, Carl Shy	January 2000 - January 2003
242	R825861	Diversity and Abundance of Forest Soil Arthropods Under Elevated Carbon Dioxide	University of South Carolina	David E. Lincoln, Ray S. Williams	October 1, 1997 - September 30, 2000
243	none	Anaerobic Biodegradation of 2,4,6-Trinitrotoluene and other Nitroaromatic Compounds by Clostridium Acetobutylicum	Rice University	J.Hughes , F. Rudolph , G. Bennett	none
244	none	Estimation of Indoor Particulate Matter Emissions in Large Office Buildings: A Preliminary Evaluation of EPA/Es BASE Study Data	none	Adam C. Johnston	none
245	none	Process Impacts On Trace Element Speciation	University of North Dakota - EERC	Christopher J. Zygarlicke, Grant L. Schelkoph, Stanley J. Miller, Kevin C. Galbreath, Michael D. Mann	9/30/98 ending date

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