WRRI	PI Inform	ation		Banari Data	Donort Number	Donort Title
Project	Name	University	Project Title	Report Date	Report Number	Report Title
2015				-		
	T					
15-07-SE	Hunt, William	NCSU	Person Street Green Infrastructure Monitoring			
15-06-U	Sobsey, Mark	UNC-CH	Microbial Quality and Health Risks of Alternative Surface Sources of Drinking Water Impacted by Waste Water			
15-05-U	de los Reyes, Francis	NCSU	Improving Startup and Operation of Anaerobic Co-Digestion of Grease Interceptor Waste			
15-04-W	Buchwalter, David	NCSU	Coal ash constituents at the base of aquatic food webs: Processes affecting bioaccumulation and trophic transfer of arsenic			
15-03-W	DiGiulio, Richard	Duke University	Legacy impacts of coal combustion residues on freshwater ecosystems in North Carolina			
15-02-W	Hershey, Anne	UNCG	Heavy metal analysis, gene proxies, and stable isotopes tracers of coal ash contamination in the Dan River food web			
15-01-W	Call, Douglas	NCSU	Improving the Anaerobic Treatment of Sludges and High-Strength Wastewaters through Addition of Electrically-Conductive Particles			
2014						
14-09-WSG	Manda, Alex	ECU	Coastal Groundwater Watch			

14-08-WSG	Dobbins, Cathy	UNC-TV	Drought Resilience: An Interactive Project			
14-07-WSG	Daniels, Harry	NCSU	Land Application of Aquaculture Effluents to Prevent Surface Water Eutrophication and Promote Groundwater Re-Infiltration in Coastal North Carolina			
14-06-U	Knappe, Detlef	NCSU	1,4 Dioxane in North Carolina Drinking Water Sources: Occurrence and Treatment Options			
14-05-S	Paul, Michael	Tetra Tech, Inc.	A review of biological condition ratings in urban settings in North Carolina: A proposal for the North Carolina Water Resources Research Institute: Amended Proposal	March 2015	UNC-WRRI-452	A Review of Biological Condition Ratings in Urban Settings in North Carolina for the North Carolina Water Resources Research Institute
14-04-W	Tsui, Martin	UNC- Greensboro	Linkages of mercury and methane cycles in Piedmont streams and rivers in North Carolina, and implications for mercury bioaccumulation in food webs			
14-03-UW	Sobsey, Mark	UNC-CH	Microbial Quality and Risk Assessment of Type 2 NC Reclaimed Water for Non potable and Potable Reuse			
14-02-W	Mallin, Michael	UNCW	Quantification of Fecal Bacteria Removal by Micro-zooplankton Grazing in Stormwater BMPs			
14-01-UW	Arumugam, Sankar	NCSU	Integrated Drought Management and Assessment Portal for the State of			
2013						
13-10-SE	Hunt, William	NCSU	Person Street Low Impact Development Design Project			
13-09-S	Hunt, William	NCSU	Nutrient and Carbon Loading in Gross Solids in Urban Catch Basins: A Nutrient Accounting Opportunity?			
			Expanding and Enhancing Customer- Level Billing Analysis: Non-Residential Customer Sales Profiles <i>and</i> Resilient	1	1	
13-08-U	Hughes, Jeffrey	UNC-CH	Pricing Structures Modeled (and		11110 11/001 1110	0, 10, 11, 11, 11, 11, 11, 11, 11, 11, 1
13-07-SE	Dorton, Jennifer	UNCW	City of Durham Water Quality Web	June 2014	UNC-WRRI-446	City of Durham Water Quality Web

			Methods to detect fecal indicator			Methods to Detect Fecal Indicator
			viruses and protozoan surrogates in			Viruses and Protozoan Surrogates in
		UNC-CH	NC reclaimed water: optimization,	October 2014	UNC-WRRI-448	NC Reclaimed Water: Optimization,
			performance evaluation, protocol			Performance Evaluation, Protocol
13-06-W	Sobsey, Mark		development, validation, collaborative			Development, Validation,
			Surface and Subsurface Properties			
		NCSU	Regulating Manganese Contamination			
13-05-W	Polizzotto, Matthew		of Groundwater in the North Carolina			
			Bromide occurrence in North Carolina			
		NCSU	drinking water sources effect on			
13-04-UW	Knappe, Detlef		disinfection by-product formations			
			A mesocosm study to determine			
			nitrogen assimilation capacity of a			
		NCSU	restored wetland slated to receive			
			pumped drainage water - a critical			
13-03-W	Burchell, Michael		component to maximize improvement			
			Environmental approaches to			
		NCSU	understanding temperature and flow			
13-02-SW	Buchwalter, David		responses of select North Carolina			
		NCSU	Sustainable Anaerobic Co-Digestion of	Nov 2014	UNC-WRRI-449	Sustainable Anaerobic Co-Digestion
13-01-W	Aziz, Tarek		Grease Interceptor Waste			of Grease Interceptor Waste
2012						
			Evaluating the Hydrologic and Water			
			Quality Performance of Infiltrating Wet			
40.40.05	LL - (VAPIP	NOOLI	Ponds and Development of			
12-12-SE	Hunt, William	NCSU	Supplemental Infiltrating Pond Design			
		NOOLI	Predicting Water Quality Impacts of			
40 44 10/	D. and all Makes	NCSU	Rerouting Drainage Water From the			
12-11-W	Burchell, Michael		Pamlico Sound to Restored Wetlands			
			Implementing Permeable Pavement in Triassic Soils and Statewide to Reduce			
10 10 SE	Hunt William	NCCLI				
12-10-SE	Hunt, William	NCSU	Runoff Volume and Nutrient Loads			
12 00 SE	Hunt William	NCCLI	Downspout Disconnection & Rain			
12-09-SE	Hunt, William	NCSU	Catchers Assistance Fats, Oil, and Grease Communications			Tailoring Fats, Oil, and Grease
10.00.11	Currer Degine	LINICC			LINC WDDI 440	
12-08-U	Guyer, Regina	UNCC	Implementation	April 2014	UNC-WRRI-442	Communication Platforms to Fit the
12-07-W	Humphrey, Charles	ECII	Geophysical and water quality characterization of on-site wastewater	July 2013	UNC-WRRI-445	Geophysical and water quality characterization of on-site wastewater
12-07-00	McLaughlin,	ECU	Optimizing Soil-Polyacrylamide	July 2013	UNC-VVKK1-445	Optimizing Soil-Polyacrylamide
12.06.14/	Richard	NCSU	Interactions for Erosion Control at	January 2014	UNC-WRRI-441	Interactions for Erosion Control at
12-06-W	Richard	INCOU	Establishing a Pre-drilling Baseline of	January 2014	UNC-WKKI-441	interactions for Erosion Control at
			Water-Quality Measurements in North			
12.05.14/	Jackson, Robert B.	Duko	Carolina Before Shale-gas Extraction			
12-05-W	Jackson, Robert B.	Duke	Carollila Delore Shale-gas Extraction			

			Bioavailability and fate of organic			Bioavailability and fate of organic
12-04-UW	Paerl, Hans W.	UNC-CH	nitrogen loading to Neuse River	February 2014	UNC-WRRI-440	nitrogen loading to Neuse River
		Purdue	Nutrient retention and floodplain			Nutrient Retention and Floodplain
12-03-W	McMillan, Sara	University	connectivity in restored Piedmont	June 2015	UNC-WRRI-447	Connectivity in Restored Piedmont
			Evaluation of the P Balance of a			
12-02-W	Vepraskas, Michael	NCSU	Restored, Previously Farmed Wetland			
			An Integrated Framework for			An Integrated Framework for
			Assessing the Dynamics of Population			Assessing the Dynamics of Population
			Growth, Land Use and Climate			Growth, Land Use and Climate
12-01-W	Zechman, Emily M.	NCSU	Change for Urban Water Resource	May 2014	UNC-WRRI-450	Change for Urban Water Resources
2011						
11-13-S	Dorton, Jennifer	UNCW	City of Durham Water Quality Web			
			Proposal to WRRI for Comprehensive			
			Rainwater Harvesting Literature			Rainwater Harvesting: A
11-12-W	Hunt, William	NCSU	Review, Synthesis & Research Needs	February 2014	UNC-WRRI-425	Comprehensive Review of Literature
			Experimental Reservoir Storage			
			Forecasts Utilizing Climate-Information			
11-11-U	Arumugam, Sankar	NCSU	Based Streamflow Forecasts			
			Quantification of nutrient and organic			
11-10-WS	Birgand, Francois	NCSU	matter fluxes in a restored tidal marsh			
			Shifting Baselines in Water Utility			Shifting Baselines in Water Utility
			Management: New Tools for			Management: Using Customer-Level
11-09-UE	Hughes, Jeffrey	UNC-CH	Addressing Financial Impacts of	July 2012	UNC-WRRI-409	Analysis to Understand the Interplay
			The impact of Coal Combustion			The Impact of Coal Combustion
11-08-W	Vengosh, Avner	Duke	Products on the quality of water	August 2012	UNC-WRRI-414	Residuals on the Quality of Water
			The production and characterization of			The Production and Characterization
			inexpensive renewable hydrogel based			of Inexpensive Renewable Hydrogel
			material from natural North Carolina			Based Material From Natural North
			Resources for water desalination and			Carolina Resources for Water
11-07-W	Venditti, Richard	NCSU	heavy metal removal applications	August 2013	UNC-WRRI-433	Desalination and Heavy Metal
			Factors Controlling Microbial Nitrogen			Factors Controlling Microbial Nitrogen
11-06-W	Song, Bongkeun	UNCW	Removal Efficacy in Constructed	June 2014	UNC-WRRI-443	Removal Efficacy in Constructed
			Space/time geostatistical estimation of			Space/time geostatistical estimation of
11-05-W	Serre, Marc	UNC-CH	nitrate and radon groundwater	October 2013	UNC-WRRI-444	nitrate and radon groundwater
	de los Reyes,		Microbial Risk Assessment of			Microbial Risk Assessment of
11-04-U	Francis	NCSU	Graywater Reuse using Quantitative	January 2014	UNC-WRRI-437	Graywater Reuse using Quantitative
			Identification of membrane foulants			Identification of Membrane Foulants
			and optimum cleaning strategies for			and Optimum Cleaning Strategies for
			nanofiltration and reverse osmosis			Nanofiltration and Reverse Osmosis
11-03-W	Coronell, Orlando	UNC-CH	membranes treating groundwaters	March 2013	UNC-WRRI-417	Membranes Treating Groundwaters
		UNC-	Evaluating Restoration Success in the			Evaluating Restoration Success in the
11-02-S	Clinton, Sandra	Charlotte	Watershed Context	October 2014	UNC-WRRI-451	Watershed Context

			Uncertainty in Surface Water			Uncertainty in Surface Water
			Availability over North Carolina under			Availability Over NC Due to Climate
11-01-W	Arumugam, Sankar	NCSU	climate and land use changes	August 2013	UNC-WRRI-435	and Land Use Changes
2010						
			Deriving Sampling Frequency			
70257	Birgand, Francois	NCSU	Guidelines For Water Quality			
			Nitrogen Retention in Urban Streams:			Nitrogen Retention in Urban Streams:
			Implications for Ecologically Based			Implications for Ecologically Based
70256	McMillan, Sara	UNC-C	Stream Restoration	September 2013	UNC-WRRI-438	Stream Restoration
	LI ANDRE		Long-term Modeling of Bioretention			Long-term Modeling of Bioretention
70255	Hunt, William	NCSU	Hydrology with DRAINMOD	August 2011	UNC-WRRI-415	Hydrology with DRAINMOD
			Legacy Sediments and Stream Water			Legacy Sediments and Stream Water
			Quality: Estimating Volume, Nutrient			Quality: Estimating Volume, Nutrient
700E4	Magmann Karl	NCSU	Content, and Stream Bank Erosion in	August 2012	UNC-WRRI-434	Content, and Stream Bank Erosion in
70254	Wegmann, Karl	NCSU	303(d)-Impaired Waterways of the Mineralization, Plant Availability, and	August 2013	UNC-WRRI-434	303(d)-Impaired Waterways of the Mineralization, Plant Availability, and
			Water Quality Consequences of			Water Quality Consequences of
70253	White, Jeffrey	NCSU	Nitrogen and Phosphorus in Land-	July 2013	NC-WRRI-432	Nitrogen and Phosphorus in Land-
70233	vvinte, Jenrey	11000	Microbial Contaminants Associated	July 2013	110-11111-432	Microbial Contaminants Associated
70252	Stewart, Jill	UNC-CH	with Urbanization of a Drinking Water	September 2011	UNC-WRRI-403	with Urbanization of a Drinking Water
. 0202	Otomani, om	0.10 0.1	Improved Statewide Soil Moisture	Coptombol 2011	5116 11111 100	Improved Statewide Soil Moisture
70251	Heitman, Joshua	NCSU	Estimation for Hydrologic Assessment	March 2011	UNC-WRRI-418	Estimation for Hydrologic Assessment
	,		Ensuring Water Supply Reliability and			Financial Effects of Including Water
70250	Characklis, Greg	UNC-CH	Financial Stability for NC Water Utilities	September 2012	UNC-WRRI-412	Use Restrictions and Transfer
			Water Quality and Illicit Discharge			
50396	Mallin, Michael A.	UNCW	Investigations in Wilmington			
		UNC-	Improving Grease Disposal in Multi-			Improving Grease Disposal in
50395	Scott, Cliff	Charlotte	family Housing and Latino Populations	August 2013	UNC-WRRI-431	Multifamily Housing and Latino
			Irrigation Pricing, Policies, and			
			Practices: A comparative analysis of			Municipal Irrigation Pricing, Policies
50394	Hughes, Jeffrey	UNC-CH	12 utilities in North Carolina	August 2010	UNC-WRRI-410	and Practices in North Carolina
2009						
		Pacific				
		Northwest				
		National	How Explicit Identification and			How Explicit Identification and
		Laboratory	Valuation of Ecosystem Services Can			Valuation of Ecosystem Services Can
		(formerly at	Improve Management of Oyster and			Improve Management of Oyster and
70249	Anderson, Richard	Duke U)	Oyster Reef Restoration	July 2011	UNC-WRRI-421	Oyster Reef Restoration
			Using PCR-based methods to assess			Monitoring swine fecal contamination
= 00.45			microbial contamination from swine			in the Cape Fear River Watershed
70248	Song, Bongkeun	UNC-W	CAFOs in surface and groundwaters	December 2013	UNC-WRRI-436	based on the detection and

			Seasonal Streamflow Forecasts for the			Seasonal Streamflow Forecasts for
			Hydrological Unit Code (HUC-8)			the Hydrologic Unit Code (HUC-8)
70247	Arumugam, Sankar	NCSU	Basins in North Carolina Utilizing	May 2011	UNC-WRRI-419	Basins in North Carolina Utilizing
			Protecting Receiving Waters: Removal			
			of Biochemically Active Compounds			
			from Wastewater by Ozonation and			Treatment Options for the Removal of
70246	Knappe, Detlef	NCSU	Activationed Carbon Adsorption	June 2013	UNC-WRRI-413	Emerging Pollutants of Concern
			Assessing the impacts of watershed			Assessing the Impacts of Watershed
			development history and levels of			Development History and Levels of
70245	Urban, Dean	Duke	hydrologic alteration on stream	August 2011	UNC-WRRI-408	Hydrologic Alteration on Stream
			Vulnerability of Coastal Watersheds to			Vulnerability of Coastal Watersheds to
50393	Arumugam, Sankar	NCSU	Climate Change and Variability	May 2011	UNC-WRRI-420	Climate Change and Variability
			Demonstrating Water Conservation in			
			the Community: Fire Station			
			Rainwater Harvesting, WRRI Urban			
50392	Hunt, William	NCSU	Water Consortium Enhancement			
						416-1: An Exploration of Alternative
						Business Models for the Beaufort-
			Technical Assistance for Sustainable			Jasper Water and Sewer Authority
50391	Hughes, Jeffrey	UNC-CH	Urban Water Use	August 2012	UNC-WRRI-416	416-2: Interruptible Irrigation Rates: A
			Factors Affecting the Formation of			Factors affecting the formation of fats,
			Fats, Oils, and Grease (FOG) Deposits			oils, and grease deposits in sewer
	de los Reyes,		in Sewer Systems / Fate of Fats, Oils,			systems; and fate of FOG deposit
50390	Francis	NCSU	and Grease (FOG) Deposit Forming	February 2012	UNC-WRRI-404	forming precursors in sewer systems
			Utility Financial Comparative and			Refining Residential: Using Customer
50389	Hughes, Jeffrey	UNC-CH	Water Service Customer Sales	December 2009	UNC-WRRI-423	Consumption Records To Tell A Story
			Occurrence and Fate of Biochemically			Treatment Options for the Removal of
50388	Weinburg, Howard	UNC-CH	Active Compounds in North Carolina	June 2013	UNC-WRRI-413	Emerging Pollutants of Concern
			Treatment Options for the Removal of			Treatment Options for the Removal of
50387	Knappe, Detlef	NCSU	Emerging Pollutants of Concern	June 2013	UNC-WRRI-413	Emerging Pollutants of Concern
2008						
70244	Phaneuf, Dan	NCSU	RA funding for EPA Nutrient Valuation			
70244	Filaneui, Dan	NCSU	Measuring the Benefits of Nutrient			
			Management Strategies at North			
			Carolina Reservoirs using Linked Non-			
70243	von Haefen, Roger	NCSU	market Valuation and Environmental			
10243	voii i iaeieii, nogei	INCOU	Improving the Effectiveness of Mercury			
			Water Quality Monitoring in North			Space/Time Estimation of Fish Tissue
			Carolina using the Spatiotemporal			Mercury Along Unsampled Streams in
70242	Serre, Marc	UNC-CH	Integration of Data from Multiple	August 2011	UNC-WRRI-393	Eastern North Carolina
10242	Jene, Maic	OING-CIT	integration of Data norm wulliple	August 2011	0140-441411-999	Lasterri North Carollila

			Development of the Semi-Empirical			Development of the Semi-Empirical
			Ammonia Deposition and Emission			Ammonia Deposition and Emission
			(SEADE) Model for Application to			(SEADE) Model for Application to
70240	Robarge, Wayne	NCSU	North Carolina Coastal Watersheds	May 2010	UNC-WRRI-394	North Carolina Watersheds
			Development of an Analytical Method			Development of an Analytical Method
			for Taste and Odor Compounds and			for Taste and Odor Compounds
70239	Knappe, Detlef	NCSU	Application to NC Drinking Water	June 2011	UNC-WRRI-422	Commonly Found in Drinking Water
			Evaluating Pathogen Removal in			Evaluating Pathogen Removal in
50386	Hunt, William	NCSU	Stormwater BMPs	November 2010	UNC-WRRI-427	Stormwater BMPs
50385/		NCSU/UNC-	Identification of Potential Reservoir			
50384	Walsh, Steve/Hatch	CH	Sites for Public Water Supplies in			
			Watershed Retrofit and Management			Watershed Retrofit and Management
			Evaluation for Urban Stormwater			Evaluation for Urban Stormwater
50383/	Hunt, William/		Management Systems in North			Management Systems in North
50382	Voiland	NCSU	Carolina, Including Projected Costs	September 2012	UNC-WRRI-411	Carolina, Including Projected Costs
2007						
2007						
			Exploring Mercury Transport			
			Mechanisms in Aquatic Systems: A			
			Statewide Assessment of Factors			
			Affecting Methylmercury			
70237	Aday, Derek	NCSU	Contamination of Food Webs and Fish			
			Stable Isotope Tracers to Quantify			Impervious Area Effects on
			Impervious Area Effects on Baseflow			Groundwater Inputs to Coastal Plain
70236	O'Driscoll, Michael	ECU	to Coastal Plain Streams	March 2008	UNC-WRRI-395	Streams
			Antibiotic Resistance and Water			
			Quality: Land Application of Swine			
			Lagoon Effluent as a Potential Source			
70235	Graves, Alexandria	NCSU	of Antiobiotic Resistant Genes in			
			Protecting Receiving Waters: Removal			Protecting Receiving Waters: Removal
			of Biochemically Active Compounds			of Biochemically Active Compounds
			from Wastewater by Sequential			from Wastewater by Sequential
70234	Knappe, Detlef	NCSU	Photochemical & Biological Oxidation	July 2010	UNC-WRRI-396	Photochemical and Biological
			Water Quality Impacts of NC's Largest			Water Quality Impacts of NC's Largest
70233	Bernhardt, Emily	Duke	Wetlands Mitigation Bank	May 2008	UNC-WRRI-386	Wetlands Mitigation Bank
			Reducing Bacterial Loads from Ocean			
70232		NCSU	Outfalls Using Dune Infiltration			
- 000:			Impact of UV Location and Sequence			
50381	Knappe, Detlef	NCSU	on By-Product Formation			
50000	Mainland III	LINIC CLI	Impact of UV Location and Sequence			
50380	Weinberg, Howard	UNC-CH	on By-Product Formation			

		University of	Impact of UV Location and Sequence			
50379	Linden, Karl	Colorado	on By-Product Formation			
			Impact of UV Location and Sequence			
50378	Voiland, Michael	NCSU/WRRI	on By-Product Formation			
			External Review of Activities to Comply			
			with the Lead and Copper Rule for			
			Public Drinking Water Supplies by the			
50377	Moreau, David	NCSU	City of Durham, NC			
			Analyzing Relationships Among			Residential Customer Water and
			Customer Base Characteristics,			Wastewater Sales Analyses and
50376	Hughes, Jeffrey	UNC-CH	Consumption Patterns, Rate Structures	September 2008	UNC-WRRI-439	Profiles
0000						
2006			Improving Construction Site Codiment			
	Mal acception		Improving Construction Site Sediment			
70224	McLaughlin,	NCSU	Control Through Integration with Storm Water Control Measures and			
70231	Richard	NCSU				
			Screening for Anthropogenic Sources of Contamination in Surface Waters			
70000	Mainhara Haward	LINIC CLI				
70230	Weinberg, Howard	UNC-CH	Using Synchronous Scan			
			Riparian Buffer Function During			
70000	Allan Onein	LINIC	Episodic Runoff Events in the			
70229	Allan, Craig	UNC-C	Piedmont and Blue Ridge Regions of			Tracing Nitrogen Transfermations and
70228	Tobico Crois	UNC-W	Tracing Nitrogen Transformations and Food Chain Uptake in an Urbanized	October 2011	UNC-WRRI-405	Tracing Nitrogen Transformations and
70220	Tobias, Craig	UNC-VV	Improved Water Management	October 2011	UNC-WKKI-403	Food Chain Uptake in an Urbanized
			Strategies for the Neuse Basin Utilizing			
	Arumugam, Sanker	NCCLI	Climate-Information based Probabilistic			
	Arumugam, Sanker	NCSU	Improved Water Management			
70227/			Strategies for the Neuse Basin Utilizing			
702217	Arumugam, Sanker	NCSLI	Climate-Information based Probabilistic			
70241	Arumagam, Sanker	14000	Restoring Biogeochemical Functions in			Restoring Biogeochemical Functions
70226	Bernhardt, Emily	Duke		June 2007	UNC-WRRI-390	in Degraded Urban Stream
70220	Dominardt, Emily	Dake	Endocrine & Repro Effects of the	Julic 2007	ONO WITH 330	Endocrine and Reproductive Effects of
			Pharm Fluxetine on Native Freshwater			the Pharmaceutical Fluoxetine on
			Mussels: Proximity to Measured			Native Freshwater Mussels: Proximity
70225	Cope, Gregory	NCSU	_	October 2007	UNC-WRRI-382	to Measured Environmental
10223	Cope, Gregory	14000	Use of Indicators to Distinguish	October 2007	0110-11111-302	to Measured Environmental
			Between Point & Non-Point Sources of			
70224	Weinberg, Howard	UNC-CH	Chemical Contamination in NC			
10224	vveiriberg, ribwaru	GING-GIT	Improved Strategies for Inter-Utility			
50375	Characklis, Gregory	LINC-CH	Transfer Agreements			
50515	Onarackiis, Oregory	0140-011	Opportunities for Biofuel Feedstock at			
50374	Classen, John	NCSU	the Neuse River Wastewater			
JUJ/ T	Classen, John	14000	the Neuse Miver Wastewater			

2005						
70223	Piehler, Michael	UNC-CH	Effects of Tidal Flow on Riparian Zone Hydraulics and Nitrogen Dynamics: Implications for Nutrient Management	July 2007	UNC-WRRI-383	Effects of Tidal Flow on Riparian Zone Hydraulics and Nitrogen Dynamics: Implications for Nutrient Management
70222	Burkholder, Joann	NCSU	Longitudinal Statistical Analysis of Nutrient Data from Streams Draining Watersheds with Intensive Livestock Production			
70221	LeBlanc	NCSU	Mechanistic Evaluation of the Combined Action of Environmentally - Relevant Chemical Mixtures on	April 2008	UNC-WRRI-373	Mechanistic Evaluation of the Combined Actions of Environmentally- Relevant Chemical Mixtures on
70220	Paerl, Hans	UNC-CH	Importance of Groundwater Discharge as a Source of Nutrients for the Neuse River Estuary, NC, USA			
70219	Moreau, David	UNC-CH	The Neuse River Basin Agricultural Nitrogen Reduction Strategy: A	December 2007	UNC-WRRI-381	The Neuse River Basin Agricultural Nitrogen Reduction Strategy: A
70218	Shah	NCSU	Determining Plant-Available Nitrogen in Hog Anaerobic Lagoon Effluent Applied with Traveling Gun and Drag Hose Systems			
70217	Kullman	Duke	Bioanalytical Analysis and Reproductive Effects of Envrionmental Endocrine Disruptors at Concentrated Animal Feed Operations Affecting	April 2007	UNC-WRRI-376	Bioanalytical Analysis of Natural Estrogens at Concentrated Animal Feeding Operations Affecting North Carolina River Waters
70216	Touchette	Elon	A Comparison of Drought Tolerance in Common Herbaceous Wetland Macrophytes as Indicated by Plant Growth, Water Status, and Oxidative Stress			
			Characterization of Surface Water/Ground Water Interactions along		LINC WDDI 270	Surface Water/Ground Water
70215 70214	O'Driscoll, Michael Noble, Rachel	UNC-CH	the Tar River Using Ground Estuarine Sediment Beds as a Reservoir for Human Pathogens: Monitoring Transport of Populations of Enterococcci and Vibrio sp. In the	May 2008 October 2007	UNC-WRRI-370 UNC-WRRI-368	Interactions Along the Tar River, NC Estuarine Sediment Beds as a Reservoir for Human Pathogens: Monitoring Transport of Populations of Enterococci and Virbrio Sp. in the
70213	Weinberg, Howard	UNC-CH	Use of Indicators to Distinguish Between Point and Non-Point Sources of Chemical Contamination in NC Streams			·

			Assessment and Control of			Assessment of Nitrification Potential and Occurrence in Drinking Water
			Chloramination Practices for Water			Systems in North Carolina Using
50370	Singer, Philip	UNC-CH	Distribution Systems in North Carolina	January 2009	UNC-WRRI-430	Chloramination
			Evaluating Eutrophication - Related			Evaluating Eutrophication-Related
			Water Qualiaty Parameters in North			Water Quality Parameters in North
50369	Reckhow, Kenneth	Duke	Carolina Lakes & Reserviors	January 2007	UNC-WRRI-385	Carolina Lakes and Reservoirs
			Identifying the Origins and Attachment			Identifying the Origins and Attachment
50368	Characklis, Gregory	UNC-CH	Behavior of Non-Point Source	June 2008	UNC-WRRI-368	Behavior of Non-Point Source
			Urban Sediment Source Tracing and			A Mineral-Magnetic Assessment of
50367	Royall	UNC-G	Deliver Ratios: A Mineral Magnetic	January 2007	UNC-WRRI-375	Urban Sediment Sources and
			Drought Vulnerability in North Carolina:			
			Low Flow Response to Expected			
50366	Band, Larry	UNC-CH	Climate and Land Use Change in			
			Endocrine & Reproductive Effects of			
			the Pharmaceutical Fluoxetine on			
			Native Freshwater Mussels: Proximity			
50365/			to Measured Environmental			
70225	Cope, Gregory	NCSU	Concentrations			
			Multi-level Financial Analysis of			Multi-Level Financial Analysis of
			Residential Water and Wastewater			Residential Water and Wastewater
50364	Hughes, Jeff	UNC-CH	Rates and Rate Setting Practices in	November 2006	UNC-WRRI-389	Rates and Rate-Setting Practices in
			Quantifying Mosquito Presence at			
			Stormwater Treatment Wetlands and			
50363	Hunt, William	NCSU	Innovative Wet Ponds: Phase II			
			The Necessity of Starter Fertilizer			The Efficacy of Starter Fertilizer
50362	Osmond, Deanna	NCSU	Phosphorous on Soils Testing Very	June 2008	UNC-WRRI-391	Phosphorous for Corn and Cotton
			Developing and Implementing a Near			
			Real-Time Precipitation Estimation			
			Tool and Preliminary Flood			
50356	Wu	UNC-G	Forecasting System at Local Levels			
2004						
2004			Overtifying Manageita Processes at			
			Quantifying Mosquito Presence at Stormwater Treatment Wetlands and			
50354	Hunt, William	NCSU	Innovative Wet Ponds			
50354	Hunt, William	NCSU				
50353	Characklis, Gregory	LINC-CH	Reducing the Cost of Maintaining Regional Water Supply Reliability			
30333	Charackiis, Gregory	UNC-CH	Stream Fish as Bioindicators of Water			
			Quality: Assessing Threshold			
50352	Gilliam, James	NCSU	Responses to Urbanization and			
JUJJZ	Gilliaiti, Jailles	11000	וובשישטוושכט נט טושמווובמנוטוו מווע			

			Assessment of Standard and			The Cost Effectiveness of Standard
	Wossink,		Alternative Sediment and Turbidity			and Alternative Sediment and
70211	A./McLaughlin	NCSU	Control Systems for Impacts on Water	July 2005	UNC-WRRI-360	Turbidity Control Systems on
			Trophic Basis for Restoration of Fish			Trophic Basis for Restoration of Fish
70210	Hershey, Anne E.	UNC-G	Fauna in Restored Urban Streams	September 2005	UNC-WRRI-359	Fauna in Restored Urban Streams
	Cahoon, Lawrence		Is There a Relationship Between			Is There A Relationship Between
70209	B.	UNC-W	Phosphorus and Fecal Mecrobes in	October 2007	UNC-WRRI-366	Phosphorus and Fecal Microbes in
			Arsenic and Heavy Metal Leaching			Arsenic and Heavy Metal Leaching
70208	Shah, Sanjay B.	NCSU	Potential from Turkey Litter Stockpiled	October 2007	UNC-WRRI-371	Potential from Turkey Litter Stockpiled
			Integration of High Resolution Imagery			Integration of High-Resolution Satelite
			in Cost-effective Assessment of Land			Imagery In Cost-Effective Assessment
70207	Kharram, Siamak	NCSU	Use Practices Influencing Erosion and	May 2008	UNC-WRRI-378	of Land Use Practices Influencing
			Validating the Phosphorus Loss			Influence of Mehlich-3 Extractable
70212	Maguire, Rory	NCSU	Assessment Tool for the Organic Soils	February 2008		Aluminum on Phosphorus Retntion in
2003						
			Sources, Transport, and Fate of			
			Sediment and Nutrients from a			
70206	Band, Larry	UNC-CH	Redeveloping Watershed: Hydrology of			
	de los Reyes,		Improving Dewatering of Wastewater			Improving Dewatering of Wastewater
70205	Francis	NCSU	Biosolids Using Innovative Approaches	July 2005	UNC-WRRI-358	Biosolids Using Innovative
			Designing Programs to Improve Water			Designing Programs to Improve Water
70204	Kramer, Randy	Duke	Quality through Wetlands Restoration	December 2004	UNC-WRRI-428	Quality Through Wetlands Restoration
			Developing Standards and Associated			Determining inspection and
			Costs for Stromwater BMP Inspection			maintenance requirements and costs
50349	Hunt, William	NCSU	and Maintenance	July 2008	UNC-WRRI-SRS-27	for structural BMPs in North Carolina
			Monitoring of Stream, Wetland, and			
50347	Jennings, Gregory	NCSU	Buffer Restoration Projects			
			Assessment of the State-of-the-Art of			
			Membrane Treatment of Secondary			
			Wastewater Effluent for Subsequent			
50346	DiGiano	UNC-CH	Use			
			Compliance with Stage 2 DBP Rules			Estimated Compliance with the
50345	Singer	UNC-CH	for Urban Water Consortium Utlities	May 2008	UNC-WRRI-365	Proposed Stage 2 Disinfection By-
			Monitoring Study and Maintenance			Monitoring Study of the Performance
			Plan Development for 12 Stormwater			of Stormwater Best Management
50344	Hunt, William	NCSU	BMPs for The City of Charlotte	January 2006	UNC-WRRI-367	Practices in the City of Charlotte
			Water Quality Indicators: Nutrient			
			Impacts on Chlorophyll A or Algae			
50343	Gosnell	NCCU	Species Composition			

			Water Quality Indicators: Nutrient			
			Impacts on Chlorophyll A or Algae			
50342	Wetzel	UNC-CH	Species Composition			
			Water Quality Indicators: Nutrient			
			Impacts on Chlorophyll A or Algae			
50341	Reckhow, Kenneth	Duke	Species Composition			
			Water Quality Indicators: Nutrient			
			Impacts on Chlorophyll A or Algae			
50340	Reckhow, Kenneth	NCSU	Species Composition			
			Biosolids and Realistic Yield			Biosolids and Realistic Yield
50338	Green/Rannells	NCSU	Expectations	August 2007	UNC-WRRI-392	Expectations
			Harmful Algal Species from the New			Harmful Algal Species from Wilson
50337	Tomas, Carmelo	UNC-W	River - Composition and Nutrient	October 2007	UNC-WRRI-369	Bay, New River, North Carolina:
			Ferry Mon: Ferry-based Monitoring and			FerryMon, Ferry-Based Monitoring
			Assessment for Water Quality for North			and Assessment of Water Quality for
50336	Paerl, Hans	UNC-CH	Carolina's Pamilco Sound	July 2008	UNC-WRRI-387	North Carolina's Pamlico Sound
			Impact of Microbial-Particle Interaction			
			on Microbial Fate and Transport in			
50335	Characklis, Gregory	UNC-CH	Stormwater			
			Hydrologic, Biologic, and Geomorphic			Relationship Between Flow Regime
50334	Gregory	NCSU	Character of Headwaters Streams in	2005		and Aquatic Macroinvertebrate
			Development of a Prototype Long			
50000	D 11 14 11		Term Hydrologic Observatory (LTHO)			
50333	Reckhow, Kenneth	NCSU	for the Neuse Watershed			
			Technical Support for Design of the			
50000	D 11 14 11		Neuse Prototype Hydrologic			
50332	Reckhow, Kenneth	NCSU	Observatory Mitigation and Watershad			
50004	lanniana Onanana	NOOLI	Ecosystem Mitigation and Watershed			
50331	Jennings, Gregory	NCSU	Management Conference Sediment Removal Demonstration and			
50330	Inningo Cragos	NCSU	Evaluation for Mountain Streams			
50330	Jennings, Gregory	NCSU	Stream Restoration Design Aids for the			
E0220	Inningo Cragos	NCSU	NC Coastal Plain			
50329	Jennings, Gregory	INCSU	INC Coastai Piairi			Nitrate Flux From Ground to Surface
						Waters Adjacent to the Neuse River
50328	Showers	NCSU	RIVERNET Monitoring	April 2006	UNC-WRRI-351-A	Waste Water Treatment Plant
50320	SHOWEIS	INCOU	Pilot Project on Groundwater Dating in	April 2000	A-1 cc-INAW-OND	Pilot Project on Groundwater Dating in
			Confined Aquifers of the North			Confined Aquifers of the North
70203	Genereux, David	NCSU	Carolina Coastal Plain	August 2005	UNC-WRRI-355	Carolina Coastal Plain
10203	Jenereux, David	14000	Evaluation of Ecological Function in	August 2000	OINO-WININI-333	Evaluation of Ecological Function in
70202	Hershey	UNC-G	Restored Urban Streams	April 2008	UNC-WRRI-372	Restored Urban Streams
10202	i letottey	UNU-G	INCOLUTEU OTDATI OLICATIO	Αριίι 2000	OINO-VVININI-OIZ	NOSIGIEU OIDAN ONEANS

			The Role of Flood Flows on the Lead			
			Isotopic Composition of Stream Waters, Suspended Sediments, and			
			Rainbow Trout Downstream of Lead			
			Contaminated Soils in Barber's			
70201	Miller	WCU	Orchard			
			Low Impact Development: Adaptation			
			for use in Piedmont NC: An Education			
50326	Jennings, Gregory	NCSU	Initiative			
			Evaluation of Temporary and			
			Permanent Ground Cover			
	McLaughlin,		Establishment Methods for Erosion			
50325	Richard	NCSU	Control			
50324	Schwartz	NCSU	CUAHSI Sciene Plan Development			
			Development of Technical Literature to			
			Assist Child Care Centers and Schools			
50323	Schwartz	NCSU	in Complying with Requirements			
			A Negotiated Approach to Developing			
			TMDL's for Nitrogen in the Neuse			
50000		5.	Basin: Finalizing the Allocation			
50322	Maguire	Duke	Strategy			
			Application of DRAINMOD Based			
50004	Ob a a a b a in	NOCLI	Nigrogen Loading Models to Lower			
50321	Chescheir	NCSU	Coastal Plain Watersheds			
			Evaluation of Watershed Change and			
50000	\\\/\lands	NOCLI	Small Marina Impacts on Bacterial		LING WDDL 200	
50320	White	NCSU	Contamination of Estuarine Waters		UNC-WRRI-398	
			Effect of Riparian Buffer Zones on			
50240	l lawahay.	LINIC C	Water Quality and Biodiversity in Piedmont Urban Streams			
50319	Hershey	UNC-G				
			Determing the Effectiveness of Shrub			
			Buffers to Reduce Nitrate-Nitrogen			
50318	Osmond, Deanna	NCSU	from Agricultural Fields in a Coastal Plain Setting			
50316	-	NCSU	Land Use Patterns and Pollution in the			Land Use Patterns and Pollution in the
50317	Palmquist, Raymond	NCSU	Upper Neuse River	December 2003	UNC-WRRI-348	Upper Neuse River
50517	NayIIIUIIU	INCOU	Opper Neuse River	December 2003	UNC-WKKI-346	Opper Neuse River
2002						

			Water Quality and Quantity Impacts of Urban Form: A Comparative Analysis of Compact and Low-Density			
70200	Berke	UNC-CH	Development			
70199	Whalen	UNC-CH	Influence of Nutrient Reduction on Phytoplankton Primary Production, Standing Stock and Community Composition in the Lower Neuse River			
10100	· · · · · · · · · · · · · · · · · · ·	0110 011	Detention and Export of Phosphorous			Detention and Export of Phosphorous
70198	Franklin	NCSU	and Sediment in Vegetated Piedmont Filter Zones Bordering Agricultural	August 2008	UNC-WRRI-402	and Sediment in Vegetated Piedmont Filter Zones Bordering Agricultural
70407	I/h a wa sa	NOCLI	One-Meter Resolution Mapping and Monitoring of Stream Riparian Buffer	Navarah an 2002	LING WEDI 400	High Resolution Mapping Land Cover Classification of the Hominy Creek
70197	Khorram McLaughlin,	NCSU	Zones and Adjacent Land Use and A Systematic Evaluation of	November 2003	UNC-WRRI-400	Watershed A Systematic Evaluation of
70196	Richard	NCSU	Polyacrylamide for Sediment and	December 2004	UNC-WRRI-352	Polyacrylamide for Sediment and
70195	Characklis, Gregory	UNC-CH	Reduced Cost Strategies for Regional Integration of Surface and Ground-Water Use	Nov/Dec 2006		Equilibrium Approach to Integrating Regional Surface Water Treatment and Limited Groundwater Pumping Capacity (Journal of Water Resources Planning and Management)
70194	Allan	UNC-C	Hydrological and Biogeochemical Investigations of Riparian Buffers in the Piedmont and Blue Ridge Regions of			
50316	Gilliam, James	NCSU	Urbanization and Decline in Water Quality: Do Statistically Identifiable			
70171	Olliam, James	11000	Quality. Do Statistically Identifiable			Seeking Science-Based Nutrient
70177	Mallin, Michael A.	UNC-W		August 2002	UNC-WRRI-341	Standards for Coastal Blackwater
50261	Lebo, Martin E.	UNC-CH	Neuse River Estuary Modeling and Monitoring Project	May 2002	UNC-WRRI-325-H	Neuse River Estuary Modeling and Monitoring Project Stage 1: Evaluating
2001						
70193	Overcash	NCSU	Environmental Evaluation of Alternatives for Animal Waste	September 2004	UNC-WRRI-350	Environmental Analysis of Swine Waste Management Technologies
70192	Woods, Terri	ECU	Geochemical Tracers of Water Movement between the Castle Hayne Aquifer, Associated Shallow Aquifers, and Surface Water in Brunswick and New Hanover Counties, North Carolina			

			Role of Sediment Processes in			Role of Sediment Processes in
70191	Richardson	Duke	Regulating Water Quality of the Cape	October 2007	UNC-WRRI-362	Controlling Water Quality in the Cape
			Effect of Riparian Buffers on Removal			Effects of Riparian Buffers on
70190	Hershey, Anne	UNC-G	of Nutrients and Sediment in Urban	April 2008	UNC-WRRI-374	Removal of Nutrients and Sediment in
			Reuse of Wastewater from Septic			
70189	Amoozegar, Aziz	NCSU	Systems			
			Tracking Drought Impact on Managed			
70188	Band, Larry	UNC-CH	and Unmanaged Ecosystems of NC			
			Sediment Resuspension in the Pamlico			Sediment Resuspension in the
			and Neuse River Estuaries - An			Pamlico and Neuse River Estuaries
70187	Corbett	ECU	Additional Source of Nutrients and	October 2007	UNC-WRRI-363	An Additional Source of Nutrients and
			Investigation of the Occurrence of			Method Development for the
	Whalen, Stephen		Residual Antibiotics and their			Occurance of Residual Antibiotics in
50307	C./Weinberg	UNC-CH	Metabolites in Drinking Water	February 2004	UNC-WRRI-356	Drinking Water
			Further Evaluation of Pesticide			
			Residue Levels in the Water Supply			
			Watersheds of the City of Winston-			
50311	Leidy	NCSU	Salem			
			Assessment of the State-of-the-Art of			
			Membrane Treatment of Secondary			
			Wastewater Effluent for Subsequent			
50306	DiGiano	UNC-CH	Use			
			A Feasibility Study for Developing Real	-		
50315	Wu, Jy	UNC-C	Time Flood Forecast Systems			
			Monitoring of Atmospheric			
			Concentrations of			
			Ammonia/Ammonium in Eastern NC			
			using Annular Denuder and Passive			
50304	Robarge	NCSU	Filter Technology			
5004.4	McLaughlin,	NOOLI	Sediment & Erosion Control:			
50314	Richard	NCSU	Evaluation of Costs and Effectiveness			
2000						
			Influence of Phosphorus on the			Influence of Phosphorus on the
	Vasudevan, Dharni		Mobilization and Attenuation of			Mobilization and Attenuation of
70186	and Cooper, Ellen	Duke	Ionogenic Herbicides in NC Piedmont	May 2008	UNC-WRRI-377	Ionogenic Herbicides in NC Piedmont
. 5100	and Gooper, Elleri	2 dito	Water Quality and Quantity Impacts of		O. TO WITH OFF	ionogonio i iononomoni
			Urban Forms: A Comparative Analysis			
			of Compact and Low-Density			
70185	Berke	UNC-CH	Development			
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			Effectiveness of Four "Best			
			Management Practices" for Reducing			
			Nonpoint-Source Pollution from			
70184	Franklin	NCSU	Piedmont Tobacco Fields			
			Episodic Cultural Eutrophication of			Episodic Nutrient Loading Impacts on
70183	Christian, Robert	ECU	Pamlico Sound: Hurricane Loading and	July 2004	UNC-WRRI-349	Eutrophication of the Southern
			Technical and Economic Evaluation of			Environmental Analysis of Swine
70182	Overcash, Michael	NCSU	Alternatives for Animal Waste	September 2004	UNC-WRRI-350	Waste Management Technologies
			Assessment of Changing Land-Use			Assessment of Changing Land-Use
			Practices on Basin Sediment yields			Practices on Basin Sediment Yields
			and Provenance in Western North			and Provenance in Western North
70181	Miller, Jerry	WCU	Carolina Using Maltivariate Finger	June 2003	UNC-WRRI-345	Carolina Using Multivariate Finger
						An Assessment of the North Carolina
			An Assessment of the North Carolina			Water Reuse Regulations: Their
70180	Hilger, Helene	UNC-C	Water Reuse Regulations	October 2003	UNC-WRRI-346	Application to a New Reclamation
			An Environmental Water Quality Data			An Environmental Water Quality Data
			Visualization System for Private			Visualization System for Private
50301	Devine, Hugh A	NCSU	Ground Water Supplies	February 2002	UNC-WRRI-399	Groundwater Supplies
			Method Development to Determine			
			Fecal Contaminant Source Information			
50300	Hilger	UNC-C	for TMDL Asessments			
			Field Study of Bio-Retnetion Pollutant			
50299	Hunt, William	NCSU	Removal Ability			
			Harmful Algal Species from the New			Harmful Algal Species from Wilson
50298	Tomas, Camelo	UNC-W	River and Cape Fear Estuaries	May 2006	UNC-WRRI-406	Bay, New River, North Carolina.
			Impact of Hurricane Floyd on Sediment			Impact of Hurricane Floyd on
			Dposition, Erosion and Benthic			Sediment Deposition, Erosion, and
50297	Benninger, Larry	UNC-CH	Nutrient Fluxes in Pamlico Sound, NC	April 2008	UNC-WRRI-364	Benthic Nutrient Fluxes in Pamlico
			Movement of Pollutants from Septic			Movement of Pollutants from Septic
			Systems and Performance of Riparian			Systems and Performance of Riparian
50296	Amoozegar, Aziz	NCSU	Buffers in Suburban Settings	2004	UNC-WRRI-424	Buffers in Suburban Settings
			Establishing Spatial and Temporal			
			Trends of Atmospheric Nitrogen			Establishing Spatial and Temporal
			Deposition in Eastern North Carolina:			Trends of Atmospheric Nitrogen
50302	Paerl, Hans	UNC-CH	The Neuse River Basin and Estuary	December 2002	UNC-WRRI-SRS-23	Deposition in Eastern North Carolina
			A Negotiated Approach to Developing			
			TMDL's for Nitrogen in the Neuse			
50288	Maguire	Duke	Basin			
			Functional Capacity Assessment of a			
			Flood Plain Stormwater Treatment			
50293	Gregory	NCSU	Wetland, Greensboro, NC			

			Development of Stream Identification			
50294	Gregory	NCSU	Methodology, Greensboro, NC			
			Research to Address Erosion &			
50287	Holman	NCSU	Sediment Control Issues			
			Lock and Dam Project: Middle Cape			
			Fear Basin Data Evaluation			
50286	Holman	NCSU	(Fayetteville)			
			Routine Quantification of Pfiesteria			
	Burkholder, Joanne		Piscicida in Water Samples from the			
50285	& Glasgow, Howard	NCSU	Mesohaline Neuse Estuary			
20161	Franklin, E. Carlyle	NCSU		January 2000	UNC-WRRI-312	Management of Forested Filter Zones
1999						
1000			Evaluation of Nutrient Loading from			
70179	Galbreath	WCU	Trivutaries to Santeetlah Lake			
	- Canaraan		Benefits of Quality Improvements in			Benefits of Quality Improvements in
70178	Phaneuf	NCSU	North Carolina's Water Resources	March 2001	UNC-WRRI-332	North Carolina's Water Resources
			Algal, Bacterial, and BOD Responses			Seeking Science-Based Nutrient
70177	Mallin, Michael	UNCW	to Nutrient Gradients in Coastal Plain	August 2002	UNC-WRRI-341	Standards For Coastal Blackwater
_	,		Impact of Sediment Processes on	J		Impact of Sediment Processes on
70176	Alperin	UNC-CH	Water Quality in the Neuse River	June 2008	UNC-WRRI-429	Water Quality in the Neuse River
			Dentrification and Sediment - Water			Denitrification and Sediment-Water
50266	Whalen		Nutrient Exchange in the Upper Neuse	December 2006	UNC-WRRI-361	Nutrient Exchange in the Upper Neuse
			Neuse River Modeling and Monitoring			Neuse River Estuary Modeling and
50261	Luettich	UNC-CH	Project: Phase II Monitoring	October 2002	UNC-WRRI-426	Monitoring Project Phase 2:
			Cost Effectiveness Analysis of			The Economics of Structural
50260	Wossink, Ada/Hunt	NCSU	Structural Stormwater Best	May 2003	UNC-WRRI-344	Stormwater BMPs in North Carolina
			Influence of Lock and Dam Structures			
			on Water Quality in the Lower Cape			
50282	Whalen	UNC-CH	Fear River			
			A Proposal to Assess Present and			
			Historical Water Quality on the Cape			
			Fear River: Effects of Lock and Dam			
50283	Richardson	Duke	Structures			
			Analysis of Stream Data from the			
50284	Francisco	UNC-CH	Middle Cape Fear River			
			Comparison of Performance and			Evaluation of Performance and
			Operations and Maintenance Costs for			Operatonal Costs for Three Biological
			Three Biological Nutrient Removal			Nutrient Removal Schemes At a Full-
50244	Linden, Karl G.	Duke	Schemes at Full-scale Wastewater	June 2001	UNC-WRRI-334	Scale Wastewater Treatment Plant

			Analysis of the Occurrence of			Occurrence of Bacterial Regrowth and
			Nitrification and Other Regrowth			Nitrification in the Raleigh Distribution
50272	DiGiano, Francis A.	LINC-CH	Problems in the Raleigh Distribution System	April 2002	UNC-WRRI-338	System and Development of an Epanet Model for Future Assessments
30212	DiGiario, Francis A.	0110-011	Contribution to Long-Term Modeling	April 2002	0110-111111-550	Monitoring and Modeling of the Neuse
			Tier of the Neuse River and Estuary as			River Estuary, Phase 2: Functional
			Functional Assessment of			Assessment of Environmental
			Environmental Phenomena through			Phenomena Through Network
50267	Christian, Robert R.	ECU	Network Analysis	February 2004	UNC-WRRI-343-E	Analysis
			Denitrification & Sediment Water			
			Nutrient Exchange in the Upper Neuse			
50266	Whalen	UNC-CH	River			
			Evaluation of Urban Pesticide Residue			
			Levels and Their Removal From			
50270	Holman	NCSU	Selected NC Drinking Water Supplies			
00270	rioiiriari	11000	Evaluation of Pesticide Residue Levels			
			in North Carolina Urban Environments			
			and Their Removal From Public			
50273	Leidy	NCSU	Drinking Water Supplies			
	-		Evaluation of Pesticide Residues and			
			Their Removal in Burlington, North			Evaluation of Pesticide Residues and
			Carolina, Water Supply Watersheds:			Removal in Burlington's Water Supply
50277	Holman	NCSU	Phase III	May 2006	NC-WRRI-407	Watersheds: Phase III
			Evaluation of Pesticide Residues and			Evaluation of Pesticide Residues and
50070		NOOLI	Their Removal in Burlington, North		NO MODEL 407	Removal in Burlington's Water Supply
50278	Leidy	NCSU	Carolina, Water Supply Watersheds:	May 2006	NC-WRRI-407	Watersheds: Phase III
			Interrelationships of Water Quality Characteristics in the Neuse River			
50265	Stow	Duke	Basin			
30203	Stow	Duke	A Review of Using Benthic			
			Macroinvertebrates in Determining the			
			Effectiveness of Best Management			
50281	Holman	NCSU	Practices			
			Neuse River Modeling and Monitoring:			
50257	Reckhow	Duke	Stage II			
			Neuse River Modeling and Monitoring			
50261	Luettich	UNC-CH	Project: Phase II Monitoring			
50000	.		ModMon Phase II: Benthic Fisheries			
50263	Peterson	UNC-CH	Habitat			
E0064	Crowdor	Duko	Neuse River Estuary Fish Monitoring			
50264	Crowder	Duke	Project: Phase II Monitoring			

			Ammonia/Ammonium Monitoring and			
50258	Paerl	UNC-CH	Modeling in Eastern North Carolina			
			Development of GIS-Based Nitrogen			
50259	Robarge	NCSU	Budget for the Neuse River Basin			
			Soil Processes Impacting Groundwater			Soil Processes Impacting
			quality in the North Carolina Piedmont:			Groundwater Quality in the North
70174	Vasudevan, Dharni	Duke	Contamination by Organic	February 2002	UNC-WRRI-336	Carolina Piedmont: Contamination by
			A Conceptual Framework for the			
			Assessment of Nitrogen Assimilation			
50254	Reckhow	Duke	Capacity of Coastal Plain Aquifers			
			Additional Development of the Neuse			Additional Development of the Neuse
	Hieronymus,		Estuary Eutrophication Model for			Estuary Eutrophication Model for
50262	JeffreyBowen	UNC-C	Prediction of Water Quality	July 2004	UNC-WRRI-343-C	Prediction of Water Quality
			Neuse River Modeling and Monitoring:			
50255	Reckhow	NCSU	Stage II			
			Predicting Long-Term Wetland			Predicting Long-Term Wetland
			Hydrology For Hydric Soil Field			Hydrology From Hydric Soil Field
70175	Vepraskas, Michael	NCSU	Indicators	August	UNC-WRRI-342	Indicators
1998						
			Data Collection to Support a Simplified			
			Regrowth Model for Distribution			Data Collection to Support a Simplified
			Systems Incorporating Uncertainty			Bacterial Regrowth Model for
50245	DiGiano, Francis A.	UNC-CH	Analysis	February 2001	UNC-WRRI-331	Distribution Systems
			Optimization of Wet Detention Ponds			Mathematical Modeling of Nutrient
50243	Borden	NCSU	for Phosphorus and Nitrogen Removal	Mar-2004	NC-WRRI-SRS-24	Removal in Wet Detention Ponds
						Biologically Mediated Nitrogen
			Biologically Medicated Nitrogen			Dynamics in Eutrophying Esturaries.
			Dynamics in Eutrophying Estuaries:			Assessing Dentrification, N2 Fixation
			Assessing Denitrification & N2 Fixation			and Primary Productivity Responses
	Piehler, Michael		Responses to Proposed N Loading			to Proposed N Loading Reduction in
70172	F./Paerl	UNC-CH	Reductions in the Neuse River Estuary		UNC-WRRI-339	the Neuse River Estuary
			Using Natural & Landscaped Buffers to			Using Natural and Landscaped
	McLaughlin,		Reduce Pollutant Loading from			Buffers to Reduce Pollutant Loading
70169	Richard A.	NCSU	Agricultural Runoff	December 2002	UNC-WRRI-340	From Agricultural Runoff
			An Erosion and Sedimentation Study			
			of Lake Jeanette and the Lake			Sedimentation and Water Quality in
50241	Stow	Duke	Jeanette Watershed, Greensboro, NC	November 2002	NC-WRRI-SRS-22	Lake Jeanette, Greensboro, NC
			Historical Trends in Watershed			
			Nutrient Production, Nutrient Loading,			
			and Water Quality in the Neuse and			
70167	Stanley	ECU	Tar-Pamilico			

70168	Amoozegar	NCSU	Water Flow Analysis for Large Septic			
	Maloney, Karin		Stakeholders' role in Developing a			Neuse River Estuary Modeling and
50237	A./Maguire	Duke	Neuse River Water Quality Model	January 2000	UNC-WRRI-325-G	Monitoring Project Stage 1:
			Measurement and Modeling of Ammonia Flux and Dry Deposition			
50242	Arya	NCSU	Above Natural Surfaces in Eastern NC			
70173	Sobsey	UNC-CH	Hog Waste Treatment to Control Microbial Contamination	June 2008	UNC-WRRI-380	Hog Waste Treatment to Control Microbial Contamination
	j		Seeking Science-Based Nutrient			Seeking Science-Based Nutrient
70171	Mallin, Michael	UNCW	Standards for Coastal Blackwater	August 2002	UNC-WRRI-341	Standards For Coastal Blackwater
1997						
			An Examination of Long Term Nutrient			Neuse River Estuary Modeling and Monitoring Project Stage 1: An Examination of Long Term Nutrient
50225	Stow, Craig A.	Duke	Data in the Neuse River Watershed	July 2000	UNC-WRRI-325-E	Data in the Neuse River Watershed
			An Improved Characterization of a Fractured-Rock Aquifer by Transient			
70165	Kabala	Duke	Flowmeter Test			
10100	rabaia	Barto	Biologically Mediated Nitrogen			
			Dynamics in Dutrophying Estuaries:			
			Assessing Denitrification and N2			
			Fixation Responses to Proposed N			
			Loading Recution in the Neuse River			
70166	Paerl	UNC-CH	Estuary			5" " (T) "D (
			Effectiveness of Four "Best			Effectiveness of Three "Best
70462	Franklin F Carlula	NCCLI	Management Practices" for Reducing Non-Point Pollution from Piedmont	Fobruary 2002	UNC-WRRI-357	Management Practices" for Reducing Non-Point Source Pollution from
70163	Franklin, E. Carlyle	NCSU	Contribution to Long-Term Modeling	February 2003	UNC-WRRI-337	Neuse River Estuary Modeling and
50224	Christian, Robert R.	ECU	Tier of the Neuse River and Estuary	June 2000	UNC-WRRI-325-F	Monitoring Project Stage 1: Network
			Development of Methods for	000 2000		Sampling Strategies for Estimating
70164	Moreau, David H.	UNC-CH	Estimating the Cost of Watershed	August 2000	UNC-WRRI-330	Status and Cost of Watershed
	Amatya, D.		Parameter Models for Predicting			Lumped Parameter Models for
70162	M./Skaggs	NCSU	Nitrogen Loading from Lower Coastal	October 2003	UNC-WRRI-347	Predicting Nitrogen Loading from
			Research and Development of			
			Working Group on Water Quality and			
50213B	Reckhow	Duke	Related Issues			The History of Western O. all's in N. all
			The History of Water Quality in NC Estuarine Waters as Documented in			The History of Water Quality in North
70161	Cooper, Sherri R.	Duke	the Stratigraphic Record	May 2000	UNC-WRRI-327	Carolina Estuarine Waters as Documented in the Stratigraphic
70101	Reckhow, Kenneth	Duke	une Suaugraphiic Record	Iviay 2000	UNC-WKKI-321	Neuse River Estuary Modeling and
50219	H.	UNC	Neuse River Modeling and Monitoring	August 2000	UNC-WRRI-325-A	Monitoring Project Stage 1: Stage 1
00210		3110	1.10000 1.1101 Modelling and Monitoring	, lagact 2000	SITO WITH OLO A	monitoring i rojout olago 1. olago 1

			An Interdisciplinary Observational			Neuse River Estuary Modeling and
			Program for the Neuse River Estuary,			Monitoring Project Stage 1:
50220	Luettich, Richard A.	UNC-CH	NC	August 2000	UNC-WRRI-325-B	Hydrography and Circulation, Water
	Eby, Lisa/Crowder,		Coordinated Modeling and Monitoring			Neuse River Estuary Modeling and
50223	Larry	Duke	Program for the Neuse River Estruary	March 2000	UNC-WRRI-325-C	Monitoring Project Stage 1: Effects of
						Neuse River Estuary Modeling and
50222	Bowen, James D.	UNC-C	Neuse River Water Quality Modeling	October 2000	UNC-WRRI-325-D	Monitoring Project Stage 1: Effects of
50213C	Reckhow	Duke	Neuse River Modeling and Monitoring			
50218	Holman	NCSU	Pesticides II			
			An Interdisciplinary Observational			
			Program for the Neuse River Estuary,			
50221	Alperin	UNC-CH	NC			
			Analyses of Public Water Supply			
			Watersheds for Selected Pesticide			
50233	Leidy	NCSU	Residues			
			The Prototype Water Quality Data			
			Retrieval System for the Neuse River			
50226	Devine	NCSU	Basin			
			Manual of Best Management Practices			
50227	Shelton	NCSU	for Compost Utilization			
70170			Denitrification and Nitrification in			Nitrogen Cycling Dynamics in
50232	Whalen, Stephen C.	UNC-CH	Agricultural Soils Fertilized with Liquid	July 2004	UNC-WRRI-354	Agricultural Fields Fertilized with
	Calvo-Alvarado,					Predicting Mean Annual Runoff and
70097	Julio Cesar	NCSU		February 1997	UNC-WRRI-307	Suspended Sediment Yield in Rural
						The Raleigh Report 1998 - Pfiesteria
Unknown						Research Needs and Management
Number				1998	UNC-WRRI-SRS-19	Actions
1996						
1000			Effect of Management Practice on			Effect of Management Practices on
70151	Whalen, Stephen C.	UNC-CH	Denitrification in Soils Fertilized with	July 2004	UNC-WRRI-353	Denitrification in Soils Fertilized with
	Timalon, Grophian Gr		Optimization of Treatment to Mitigate			
			Impacts of Algae and Algae Control on			
50215	Knappe	NCSU	Finished Water Quality			
			Optimization of Treatment to Mitigate			
			Impacts of Algae and Algae Control on			
50217	Burkholder	NCSU	Finished Water Quality			
			Protecting and Restoring Forested			
			Stream Buffers in Existing Urban			
50216	Gray	NCSU	Residential Areas of Wake County			
	,		A Decision Support System for			Development of an Environmental
			11 7 1			
	Crawford-Brown,		Microbial and Disinfection By-Product			Decision Support System (EDSS) for

			Utilizing Vegetative Filter Strips of			
			Varying Widths to Reduce Herbicides			
70158	Shaw	MS	in Runoff			
			Agronomic and Environmental Effects			
			of Water Treatment Sludge			
			applications to Pastures in Northwest			
70159	Miller	AR	Arkansas			
			Indicators of Mammalian Fecal			
70160	Brion	KY	Contamination in Surface Water			
			Stable Nitrogen Isotopic Tracers of			
			Nitrogen Sources to Suface and			
70157	Showers	NCSU	Groundwaters Near Animal Production			
			Uncertainty and Risk Analysis in Water			
50213A	Reckhow	Duke	Quality Modeling			
	Kota,		Influence of Protozoan Grazing on			Anaerobic Biodegradation in
70153	Sreenivas/Borden	NCSU	Intrinsic Bioremediation Under	September 1999	UNC-WRRI-324	Contaminated Aquifers: Influrence of
			Bacterial Regrowth in Drinking Water			Bacterial Regrowth in Drinking Water
			Distribution Systems: A Comparison of			Distribution Systems: A Comparison of
50212	DiGiano, Francis A.	UNC-CH	Durham and Raleigh	January 2000	UNC-WRRI-326	Durham and Raleigh
			Characterization of Ammonia			Characterization of Atmospheric
50214	Aneja, Viney P.	NCSU	Emissions from Animal and Poultry	June 2000	UNC-WRRI-329	Ammonia Emissions From Swine
			Anaerobic Biodegradation of Benzene			Preliminary Investigation on Anaerobic
70154	Barlaz	NCSU	in Contaminated Aquifer Sediment	April 2000	UNC-WRRI-SRS-21	Biodegradation of Benzene in
			Control of Haloacetic Formation in NC			Control of Haloacetic Acid Formation
70155	Singer, Philip C.	UNC-CH	Drinking Water	May 2008	UNC-WRRI-379	in North Carolina Drinking Water
			Effect of Swine Waste Lagoon			Effect of Organic and Inorganic
			Constituents on Photo-synthetic and			Nutrient Loading on Photosynthetic
70156	Mallin, Michael A.	UNC-W	Heterotropic Biota of Receiving Waters	July 1998	UNC-WRRI-315	and Heterotrophic Plankton
			Development of the Technical Basis			Development of the Technical Basis
	Reilly, James		and a Management Strategy for			and a Management Strategy for
70149	D./Kirby-Smith	Duke	Reopening a Closed Shellfishing Area	June 1999	UNC-WRRI-321	Reopening a Closed Shellfishing Area
			Geochemical Tracers of Groundwater			Geochemical Tracers of Groundwater
			Movement Between the Castle Hayne			Movement Between the Castle Hayne
70148	Woods, Terri L.	ECU	and Associated Coastal Plain Aquifer	February 2000	UNC-WRRI-328	and Associated Coastal Plain Aquifers
			Directors Office Administration and			
70000	Moreau, David H.	NCSU	Technology Transfer			
			Evaluation of Ponds and Wetlands for			Performance Evaluation of Regional
50211	Borden, Robert C.	NCSU	Protection of Public Water Supplies -	October 2001	UNC-WRRI-335	Wet Detention Ponds and Wetland for
						Effects of Drainage and Water Table
20160	Chescheir, G. M.	NCSU		1996	UNC-WRRI-301	Control on Groundwater and Surface
20162	Aitkon Michael D	LINIC CH		1006	LINC WDDL 200	Bacterial Biodegradation of Polycyclic
20162	Aitken, Michael D.	UNC-CH		1996	UNC-WRRI-299	Aromatic Hydrocarbons (PAH) and

			Microbial Impacts of Animal Wastes			Microbial Impacts of Animal Wastes
70152	Sobsey, Mark	UNC-CH	and Other Fecal Wastes on Water	September 2000	UNC-WRRI-401	and Other Fecal Wastes on Water
1995						
	Mariah and Harrand		Assessment of Trace Element			Assessment of Trace Elements
50040	Weinberg, Howard		Concentration in Municipal Wastewater		LINO MEDI 007	Concentrations in Municipal
50210	S./Singer	UNC-CH	Treatment Plant Discharges in NC	May 2002	UNC-WRRI-337	Wastewater Treatment Plant
			Status of Water and Sanitary Sewer			
E0200	Maragu David H	NCSU	System Information in Rural NC Counties			
50208	Moreau, David H.	NCSU	Slurry Phase Bioremediation of			Churry Dhoop Digramadiation of
70144	Aitken, Michael D.	UNC-CH	Contaminated Soil From a Former	December 1998	UNC-WRRI-320	Slurry-Phase Bioremediation of Contaminated Soil From a Former
70144	Allkeri, Michael D.	UNC-CH	Compliance with EPS's Information	December 1996	UNC-WKKI-320	Compliance with EPA's Information
			Collection Rule for NC Surface Water			Collection Rule for North Carolina
			Supplies: Bench-Scale Testing of the			Surface Water Supplies: Bench-Scale
70145	DiGiano, Francis A.	LINC-CH	Efficacy of Carbon Adsorption and	June 1999	UNC-WRRI-322	Testing of the Efficacy of Carbon
70143	DiGiario, Francis A.	UNC-CIT	Optimization Model for Durham	Julie 1999	UNC-VVIXIXI-322	resting of the Efficacy of Carbon
50209	Lauria	UNC-CH	Reservoir System			
30203	Lauria	0110 011	Grass and Riparian Buffer Treatment			
			of Runoff from Land Receiving Animal			
70146	Gilliam	NCSU	Waste			
	J		In Vitro Methods for Screening &			An In Vitro Test for Estrogenicity
	Monteverdi, George		Evaluating Reproductive Impacts of			Combining Cultured Hepatocytes and
70141		Duke	Aquatic Pollutants on Fish	September 1998	UNC-WRRI-318	an Enzyme-Linked Immunosorbant
	Christman, Russell		A New Method for Characterizing	•		A New Method for Characterizing
70142	F.	UNC-CH	Aquatic Organic Matter	October 1998	UNC-WRRI-319	Aquatic Organic Matter
			Assessing the Impact of Septic			
			Discharge on Water Qualtiy on the			
70147	Evans	NCSU	Cape Hatteras National Seashore			
			Selective Pesticide Analysis for			
50204	Leidy	NCSU	Surface Water Supplies			
			Impact of Wastewater Quality on the			Impact of Wastewater Quality on the
			Long-Term Acceptance Rate of Soils			Long-Term Acceptance Rate of Soils
70140	Amoozegar, Aziz	NCSU	for On-Site Wastewater Disposal	July 1998	UNC-WRRI-316	for On-Site Wastewater Disposal
			Denitrification Dynamics of an			Denitrification Dynamics of an
	Thompson,		Estuarine Headwater Creek Receiving			Estuarine Headwater Creek Receiving
70139	Suzanne P./Paerl	UNC-CH	Agricultural Runoff: The South River	August 1998	UNC-WRRI-317	Agricultural Runoff
00457	Dead Herry W	LINIO OLI		I	LINO MEDI COA	Nitrogen Loading Sources and
20157	Paerl, Hans W.	UNC-CH		January 1995	UNC-WRRI-291	Eutrophication of the Neuse River
E0000	Pfeifer, Christopher	LING CH		luby 1005	LINC WEDL 204	An Evaluation of Wetlands Permitting
50220	E.	UNC-CH		July 1995	UNC-WRRI-294	and Mitigation Practices in North
1994						
1334						

			A Study of Nitrate Movement to			A Study of Nitrate Movement to
			Ground Water at the Neuse River			Ground Water at the Neuse River
50202	Welby, Charles W.	NCSU	Wastewater Treatment Plant Facility -	Jan 2000	UNC-WRRI-SRS-20	Waste Water Treatment Plant
			Assessment of the Use of Surfactants			Assessment of the Use of Surfactants
	Grimberg, Stefan		in Bioremediation of Contaminated Soil			for Biodegradation of Hydrophobic
70138	J./Aitken	UNC-CH	and Groundwater: Development of	September 1996	UNC-WRRI-305	Pollutants and Development of
			Evaluation of Wetland Permits and			
50200	Kaiser	UNC-CH	Mitigation Pactices in NC			
			Development of a Comprehensive			
			Wetland Restoration and Creation			
50201	Holman	NCSU	Database			
			Nutrient Limitation and Eutrophication			Nutrient Limitation and Eutrophication
70136	Mallin, Michael A.	UNC-W	Potential of the Cape Fear River and	September 1997	UNC-WRRI-313	Potential in the Cape Fear and New
						Examination of the Wetland
						Hydrologic Criterion and Its
			Development of Methods for			Application in the Determination of
70137	Hunt, W. F./Skaggs	NCSU	Evaluating Wetland Hydrology	June 2001	UNC-WRRI-333	Wetland Hydrologic Status
			Evaluation of Wastewater Biosolids			
			Compost for Production of Agronomic			
50193	Shelton	NCSU	and Horticultural Crops			
						Treatability Assessment of Jordan
70098	Singer, Philip C.	UNC-CH		1994	UNC-WRRI-281	Lake
70088	Munster, C.	NCSU		1994	UNC-WRRI-283	Effects of Drainage and Water Table
20155		NOOLI		1004	LINIO MIDDI COS	Movement and Dissipation of
20156	Weber, Jerome B.	NCSU		1994	UNC-WRRI-285	Toxicants and Water in Natural Soil
70089		NOOLI		1004	LINIO MIDDI 000	Reduction in Sediment and Chemical
70105	Parsons, John E.	NCSU		1994	UNC-WRRI-286	Load Agricultural Field Runoff by
70407	Coboox Morts D	LINIC CIT		1004	LINIC WIDDL 200	An Improved Viral Indicator of Fecal
70107	Sobsey, Mark D.	UNC-CH NCSU		1994 March 1994	UNC-WRRI-288	Contamination and Treatment Process
70102	Zublena, J.P. San Juan,	NCSU		March 1994	UNC-WRRI-282	Assessment of Municipal Sludge Preliminary Investigation of the
70100	Francisco C., Jr.	ECSU			LINC WDDI SDS 12	Uranium Isotope Disequilibrium in the
Unknown	r randisco C., Jr.	2000			OTAO-WININI-OING-13	Sedimentation in University Lake,
Number	Bisese, James A.	UNC-CH		March 1994	LINC-WRRI-SRS-14	Orange County, North Carolina
Namber	Discoe, danies A.	0110 011		Water 1554	ONO WICH ONO 14	Crange County, North Carolina
1993						
			Toxi Dinoflangellate Probe			
70135	Rublee	UNC-G	Development			
	Kota,		Influence of Iron Reduction on the			Intrinsic Bioremediation of Gasoline-
70132	Sreenivas/Borden	NCSU	Natural Bioredmediation of Petroleum	July 1997	UNC-WRRI-308	Contaminated Aquifers:
			Development and Initiation of a			·
50192	Gray	NCSU	Newsletter/Communication Program			

			Evaluation of Environmental Factors			
			Impacting on Wet Retention Basin			Piedmont N.C. Wet Retention Basins:
	Allan,		Performance and Fates of			Performance Factors, Sedimentation
70134	Craig/Forsythe	UNC-C	Adsorbed/Desorbed Constituents in	July 1997	UNC-WRRI-309	Dynamics, and Seepage Losses
	Verchot, Louis		Nitrogen Biogeochemical Cycling in			Nitrogen Biogeochemical Cycling in
70133	Vincent/Franklin	NCSU	Three Piedmont Forestred Filter Zones	August 1997	UNC-WRRI-310	Piedment Vegetated Filter Zones
			Ground-Water Chemistry of the Castle			Groundwater Geochemistry of the
70131	Sutton, Lynn C.	ECU	Hayne Aquifer in Capacity Use Area	July 1994	UNC-WRRI-SRS-15	Castle Hayne Aquifer in the Region of
	·		Water Quality Effects of Above-Stream			Water Quality Effects of Above-Stream
70130	Gilliam, James F.	NCSU	Feeders in Low Nutrient North Carolina	December 1997	UNC-WRRI-314	Fish Feeders in Low-Nutrient North
						Decreases in Yadkin River Basin
			Evaluation of Summer Drawdown as a			Sedimentation: Statistical and
			Potential Tool for Management of			Geographic Time-Trend Analyses,
70129	Kay, Stratford H.	NCSU	Monoecious Hydrilla	December 1995	UNC-WRRI-298	1951-1990
			An Evaluation of the Source(s) of Test			An Evaluation of the Source(s) of Test
			Animals as a Component of Inter-			Animals as a Component of
			Laboratory Variability in NC Mini			Interlaboratory Variability in the "NC
	Francisco, Donald		Chronic Pass/Fail Ceriodaphnia			Mini-Chronic Pass/Fail Ceriodaphnia
50182	E.	UNC-CH	Effluent Toxicity Test	1996	UNC-WRRI-302	Effluent Toxicity Test"
			Reduction of Nitrate Leaching in			Reduction of Notrate Leaching in
70127	Wagger, M. G.	NCSU	Agricultural Soils via Cover Crops	September 1996	UNC-WRRI-303	Agricultural Soils Via Cover Crops
	Borden, Robert		Evaluation of Ponds and Wetlands for			Evaluation of Wet Ponds for Protection
50184	C./Liehr	NCSU	Protection of Public Water Supplies	August 1997	UNC-WRRI-311	of Public Water Supplies
			Use of Lime-Stabilized Product as an			Use of Lime-Stabilized Product as an
50183	Rogers, W.J.	NCSU	Agricultural Liming Agent	May-1997	NC-WRRI-SRS-18	Agricultural Liming Agent
00450				4000		Groundwater Contamination and Cost
20159	Danielson, Leon E.	NCSU		1993	UNC-WRRI-273	of Pesticide Restrictions in the
	Burkholder, JoAnn			4000		Sediment and Phosphorus Loading:
70109	M.	NCSU		1993	UNC-WRRI-274	Predicting Water Quality in an Urban
70096	Rizzo, William M.	ECU		1993	UNC-WRRI-275	Sediment-Water Phosphate Exchange
						a Constructed Upland-Wetland
70404	11 01. 1. 1.	NOOLI		4000	LINO MEDI 077	Wastewater Treatment System
70101	House, Claude H.	NCSU		1993	UNC-WRRI-277	Diamandan fan Daday Astiya
20450	Futomia Nameu A	Dulca		1000	LING WDDL 070	Biomarkers for Redox-Active
20158	Eufemia, Nancy A.	Duke		1993	UNC-WRRI-278	Genotoxins in Contaminated
20154	Amoozegar, Aziz	NCSU		1993	UNC-WRRI-279	Evaluation of Saprolite for On-Site
	Francisco Danald					Chronic Toxicity Bioassay with
70402	Francisco, Donald	UNC-CH		August 1002	LINC WDDL 276	Ceriodaphnia dubia: (1) An Evaluation
70103	E.	UNC-CH		August 1993	UNC-WRRI-276	of a Toxicity Test-Based Approach for CRYPTOSPORIDIUM: A Drinking
Unknown Number	Holman, Robert E.	NCSU		November 1993	LINIC-MADDI SDS 42	Water Supply Concern
INUITIDEI	Hollinan, Robell E.	INCOU	+	INOVEHIDEL 1993	UNU-WARI-ORO-12	vvaler Supply Concern
1992						
1332						

			Feasibility of Wastewater Reuse at the			Feasibility of Wastewater Reuse at the
70128	DiGiano, Francis A.	UNC-CH	National Spinning Company Inc.,	February 1995	UNC-WRRI-292	National Spinning Company, Inc.,
			Mapping Water & Sewer Customer			
			Records with Desktop Geographic			
50187	Kaiser	UNC-CH	Information System			
			Bay Scallop Recruitment Failure in NC:			
			A Case of Spawner Limitation or			
50188	Peterson	UNC-CH	Environmental Deterioration			
			Evaluation of Pesticides in Three			
50189	Holman	NCSU	Water Supply Watersheds			
			Development of a Handbook for the			Wetland Restoration and Creation:
50186	Holman, Robert E.		Restoration and Creation of Wetlands	January 1995	UNC-WRRI-289	Development of a Handbook Covering
			Funds to Assist in Drilling Experimental			
70126	Evans	NCSU	Wells on Centennial Campus at NCSU			
	Wainwright,		Biomarkers for Bleached Kraft Mill			Investigation of Potential Biomarkers
70124	Jennifer S./DiGiulio	Duke	Effluent Exposures and Effects in	July 1995	UNC-WRRI-295	of Exposure to Bleached Kraft Mill
			Innovative Methods for Treatment of			Potential for Using Constructed
70125	Liehr, Sarah K.	NCSU	Municipal Landfill Leachate	January 1996	UNC-WRRI-SRS-17	Wetlands to Treat Landfill Leachate:
			Effects of Urbanization and Land Use			Effects of Urbanization and Land-Use
70122	Evett, Jack B.	UNC-C	Changes on Low Streamflows	1994	UNC-WRRI-284	Changes on Low Stream Flow
			Statistical and Time Series Analyses of			Decreases in Yadkin River Basin
			Long-Term Suspended Concentrations			Sedimentation: Statistical and
			and Yields in the Yadkin River Basin,			Geographic Time-Trend Analyses,
70123	Richter, D. D.	Duke	NC	November 1995	UNC-WRRI-297	1951-1990
			Predicting Contaminant Transport			Predicting Contaminant Transport
	Vepraskas, Michael		Along Veins and Fractures Above the			along Veins and Fractures in Saprolite
70121	J.	NCSU	Water Table (Revised)	October 1995	UNC-WRRI-296	above the Water Table
			Support of a Regional and National			
50180	Holman	NCSU	Pollution Prevention Rountable Metting			
00.00	Tioman		Coastal Eutrophication and			
			Disappearing Submersed Vegetation:			
			Lethal Effects of Nitrate Enrichment on			
			Eelgras sand Other Beneficial Aquatic			
50178	Burkholder	NCSU	Plants			
00170	Bantinolaei	11000	i idilic			
			The Role of a New Toxic Dinoflagellate			
			in Estuarine Finfish and Shellfish Kills			
50179	Burkholder	NCSU	in the Neuse and Pamlico Estuaries			
			and and and and and			Investigation of Multicomponent
20152	Miller, Cass T.	UNC-CH		1992	UNC-WRRI-263	Sorption and Desorption Rates in
						Development of Analytical Methods for
70104	Jersey, James A.	UNC-CH		1992	UNC-WRRI-265	the Identification of Organic Nitrogen
70104	Jersey, James A.	UNC-CH		1992	UNC-WRRI-265	the identification of Organic Nitroge

						Enhancement of the Effectiveness of
70095	Franklin, E. Carlyle	NCSU		1992	UNC-WRRI-270	Forested Filter Zones by Disperson of
						Declining Rates of Expansion of
	Moreau, David H.	UNC-CH		December 1992	UNC-WRRI-272	Reservoir Capacity in North Carolina
						Application of the Toxicity Reduction
50150	DiGiano, Francis A.	UNC-CH		February 1992	UNC-WRRI-261	Evaluation Protocol for Municipal
						Effect of Vapor-Phase Mass Transfer
70093	Miller, Cass T.	UNC-CH		February 1992	UNC-WRRI-262	on Aquifer Restoration
						Cloud Point Extraction and
70108	Hinze, Willie L.	Wake F.		July 1992	UNC-WRRI-269	Preconcentration Procedures for
	Burkholder, JoAnn					A Study of Water Quality in Lake
50165	M.	NCSU		June 1992	UNC-WRRI-264	Raleigh
70087	<u> </u>	NCSU		June 1992	UNC-WRRI-266	The Impact of a Piedmont Sanitary
70111	3 /	UNC-CH		June 1992	UNC-WRRI-267	Evaluation of Urban Stormwater
70085	DiGiano, Francis A.	UNC-CH		June 1992	UNC-WRRI-268	Application of Passive Dosimetry for
unknown						North Carolina's Water Supply
number	Moreau, David H.	UNC-CH		November 1992	UNC-WRRI-271	Watershed Protection Act: History and
unknown						
number	Watts, Kathy N.			January 1992	UNC-WRRI-SRS-8	Water Reuse in Selected States
unknown						Residuals Management in North
number	Holman, Robert E.	NCSU		October 1992	UNC-WRRI-SRS-9	Carolina: A Challenge to POTW's
unknown						Report on the Usage of Computer
number	Smith, Katrina			August 1992	UNC-WRRI-SRS-10	Models of Estuaries by Eastern
1221						
1991						
			Mapping Water & Sewer Customer			
		NOOLI	Records with Desktop Geographic			
50173	Moreau, David H.	NCSU	Information System			
		NOOLI	Use of Lime Treated Wastewater		NO W/DDI 000 40	Use of Lime-Treated Wastewater
50174	Amoozegar	NCSU	Sludge-Soil Mixtures for Daily Cover in	January 1995	NC-WRRI-SRS-16	Sludge-Soil Mixtures for Daily Cover in
50475	D 1:	NOOLI	Use of Lime Treated Wastewater	1005	NO MIDDL ODG 40	Use of Lime-Treated Wastewater
50175	Rubin	NCSU	Sludge-Soil Mixtures for Daily Cover in	January 1995	NC-WRRI-SRS-16	Sludge-Soil Mixtures for Daily Cover in
50470	Davida	NOOLI	Use of Lime Treated Wastewater	1	NO WEDI ODO 40	Use of Lime-Treated Wastewater
50176	Barlaz	NCSU	Sludge-Soil Mixtures for Daily Cover in	January 1995	NC-WRRI-SRS-16	Sludge-Soil Mixtures for Daily Cover in
			Investigation of Odor Problems			Investigation of Odor Problems
50457	A'tha Malasal D	1100 011	Associated with Wastewater Treatment		NO MEDI ODO O	Associated with Wastewater
50157	Aitken, Michael D.	UNC-CH	Facilities in North Carolina	January 1991	NC-WRRI-SRS-6	Treatment Facilities in North Carolina
			Economic and Fiscal Impact of			
70440	Deather Daynes and I	LINIC CLI	Regulations to Protect Public Water			
70119	Burby, Raymond J.	UNC-CH	Supplies: The Case of North Carolina			
			Economic and Fiscal Impact of			
70420	Moroou Dovid II	NCCLI	Regulations to Protect Public Water			
70120	Moreau, David H.	NCSU	Supplies: The Case of North Carolina			

			Improvement of the Nanofiltration			
			Membrane Process by Addition of			Hollow-Fiber Nanofiltration for
			Powdered Activated Carbon for			Treatment of a Surface Water High in
70442	DiCiona Francia A	LINC CH		Mov. 100E	LINC WEDI 202	
70113	DiGiano, Francis A.	UNC-CH	Enhanced Removal of Precursors to	May 1995	UNC-WRRI-293	Natural Organic Matter
			Evaluation of Aerobic			Evaluation of Aerobic
70445	A	NOOLI	pretreatment/Land Disposal Systems	Cambanah an 4000	LING WDDL 004	Pretreatment/Land Disposal Systems
70115	Amoozegar, Aziz	NCSU	for On-Site Wastewater Disposal	September 1996	UNC-WRRI-304	for On-Site Wastewater Disposal
	0.111		Evaluation of Potential for Aquifer			Contamination of Surficial Aquifers
70114	Gilliam, J. W.	NCSU	Contamination from Agricultural	November 1996	UNC-WRRI-306	with Nitrogen Applied to Agricultural
			Anaerobic Biodegredation of			Anaerobic Biodegradation of
			Hazardous Organics in Groundwater			Hazardous Organics in Groundwater
70116	Johnston, James J.	NCSU	Downgradient of a Sanitary Landfill	November 1994	UNC-WRRI-287	Down Gradient of a Sanitary Landfill
	Imhoff, Paul	UNC-	An Evaluation of Enhanced Aquifer			An Experimental Investigation of Hot
70117	T./Miller	CH/NCSU	Remediation Strategies for Subsurface	January 1995	UNC-WRRI-290	Water and Cosolvent Flushing for
			Sediment and Phosphorus Loading			
			Predicting Water Qualtiy in Urban and			
70112	Burkholder, Joann	NCSU	Agricultural Piedmont Reservoirs			
70118	Heath Jr., Milton S.	UNC-CH	Artificial Watercourses			
			Evaluation of Land Use Changes			Evaluation of the Albemarle-Pamlico
50172	Holman, Robert E.	NCSU	Within APES Area Utilizing the GIS	June 1993	UNC-WRRI-SRS-11	Estuarine Study Area Utilizing
50168	Singer, Philip C.	UNC-CH	Disinfection By-Products in NC	1996	UNC-WRRI-300	Disinfection By-products in Selected
						Characterization of Soils and
70091	Amoozegar, Aziz	NCSU		1991	UNC-WRRI-255	Saprolites from the Piedmont Region
						Impact of Safe Drinking Water Act
50151	DiGiano, Francis A.	UNC-CH		1991	UNC-WRRI-256	Amendments of 1986 on Selected
20153	Robinson, Peter J.	UNC-CH		1991	UNC-WRRI-257	Precipitation Regime Changes
70090	Christman, Russell	UNC-CH		1991	UNC-WRRI-259	Identification of Mutagenic By-
70099	Watson, James E.	UNC-CH		1991	UNC-WRRI-260	Use of Activated Carbon to Remove
						Water Conservation in Durham:
50169	Moreau, David H.	UNC-CH		July 1991	UNC-WRRI-SRS-7	Economic and Financial Impacts of
1990						
			Runoff Potential and Chemical			Runoff Potential and Chemical
70110	Wagger, M. G.	NCSU	Transport in Agricultural Soils	1993	UNC-WRRI-280	Transport in Agricultural Soils
	33 7		A Study of Nitrate Movement to			A Study of Nitrate Movement to
			Ground Water at the Neuse River			Ground Water at the Neuse River
50167	Welby, Charles W.	NCSU	Wastewater Treatment Plant Facility	Jan 2000	NC-WRRI-SRS-20	Waste Water Treatment Plant
70073	7.5.5j, 5.1a.155 W		The state of the s			Stable Isotope Traces of Nitrogen
70074	Showers, William J.	NCSU		1990	UNC-WRRI-253	Sources to the Neuse River, North
70080	Chescheir, G. M.	NCSU		1990	UNC-WRRI-254	Analysis of Stormwater Infiltration
7 3000	Choomon, C. W.	11000		1000	0110 WITH 207	Nutrient Processing and Water Quality
70083	Kuenzler, Edward J.	UNC-CH		February 1990	UNC-WRRI-251	in a Piedmont Bottomland Receiving
	, =					

unknown						Quest for Clean Streams in North
number	Howells, David H.	NCSU		November 1990	UNC-WRRI-258	Carolina: An Historical Account of
unknown						Agricultural Pesticides and
number	Moreau, David H.	UNC		1990	UNC-WRRI-252	Groundwater in North Carolina:
1989						
50228	Holman	NCSU	Holman Special Consortium Award			
70056						Effects of Agricultural Water Table
70081	Evans, R. O.	NCSU		1989	UNC-WRRI-237	Management on Drainage Water
		NCSU		1989	UNC-WRRI-244	Historical Account of Public Water
70054	Noga, Edward J.	NCSU		April 1989	UNC-WRRI-238	Fish Diseases of the Albemarle-
70062	Storm, Julia F.	UNC-CH		July 1989	UNC-WRRI-245	Tentative Identification of Organic Compounds at the Westside
70078	Miller, Cass T.	UNC-CH		July 1989	UNC-WRRI-246	Modeling Organic Contaminant
70077	Wu, Jy S.	UNC-C		July 1989	UNC-WRRI-248	Evaluation of Detention Basin
70007	Pardan Bahart C	NCCLI		March 1000	LINC WDDL 242	North Carolina Sanitary Landfills:
70087	Borden, Robert C.	NCSU		March 1989	UNC-WRRI-243	Leachate Generation, Management Proceedings of Workshop on
	Kay, Stratford H.	NCSU		March 1989	UNC-WRRI-247	Management of Aquatic Weeds and
						Movement of Water and Chemical
70043	Amoozegar, Aziz	NCSU		November 1989	UNC-WRRI-249	Pollutants from Wastewater Disposal
unknown						Managing Public Water Supplies
number	Moreau, David H.	UNC-CH		September 1989	UNC-WRRI-250	during Droughts (Experiences in the
1988						
						Methodology for Assessment of
70057	DiGiano, Francis A.	UNC-CH		1988	UNC-WRRI-242	Contamination of the Unsaturated
	Medina Jr., Miguel					An Advisory System for North Carolina
70058	A.	Duke		February 1988	UNC-WRRI-236	Groundwater Quality Modeling and
						Formation of Halogenated Organics
70027	Singer, Philip C.	UNC-CH		November 1988	UNC-WRRI-239	During Wastewater Disinfection
						Potential for Hydrilla Dispersal by
70059	Langeland, K. A.	NCSU		November 1988	UNC-WRRI-240	Sexual Means in North Carolina
70000	Richardson, Curtis	5 .		N	LINIO MIDDI 044	Soil Chemistry and Phosphorus
70063	J.	Duke		November 1988	UNC-WRRI-241	Retention Capacity of North Carolina
unknown	Maraau Davidul			Moreh 4000	LING WDDL ODG O	Watershed Protection in Western
number	Moreau, David H.			March 1988	UNC-WRRI-SRS-3	North Carolina with Special Attention
E0120	Francisco, Donald E., Lamb, James C.	LINIC CH		luno 1000	UNC-WRRI-SRS-5	Pilot Plant Investigations of Various Processes to Accomplish Biological
50129	E., Lamb, James C.	UNC-CH		June 1988	01NC-NVKI-2K2-2	Frocesses to Accomplish biological
1987						
						Development and Evaluation of
70034	Durell, Gregory S.	UNC-CH		1987	UNC-WRRI-234	Analytical Procedures for Broad

					Dynamics of Blue-Green Algal
70025	Paerl, Hans W.	UNC-CH	April 1987	UNC-WRRI-229	(Microcystis aeruginosa) Blooms in
70028	1 4011, 114110 111		7.4	0.10 1111111 220	The Hydrology and Pollutant Removal
70029	Chescheir, G. M.	NCSU	August 1987	UNC-WRRI-231	Effectiveness of Wetland Buffer Areas
70068	•	UNC-CH	May 1987	UNC-WRRI-230	Predicting the Occurrence of Radon-
70076		UNC-CH	May 1987	UNC-WRRI-233	Prediction of Nuisance Blue-Algal
			, ,		Financing Water and Sewer
	Burby, Roymond J.	UNC-CH	September 1987	UNC-WRRI-232	Extensions in Urban Growth Areas:
	, ,				Impacts of Sewage Effluent on Tree
70072	Kuenzler, Edward J.	UNC-CH	September 1987	UNC-WRRI-235	Survival, Water Quality and Nutrient
	·			UNC-WRRI-SRS-	Reduction in Nutrient Discharges into
			August 1987	004A	Designated Nutrient-Sensitive Waters:
				UNC-WRRI-SRS-	Reduction in Nutrient Discharges into
			October 1987	004B	Designated Nutrient-Sensitive Waters:
				UNC-WRRI-SRS-	Reduction in Nutrient Discharges into
50152	Lamb, James C.	UNC-CH	January 1988	004C	Designated Nutrient-Sensitive Waters:
1986			·		
70039	Langeland, K. A.	NCSU	1986	UNC-WRRI-224	Management Program for
70039	Langeland, K. A.	NCSU	1986	UNC-WRRI-225	Management Program for Hydrilla (A
70048	Malcom, H. Rooney	NCSU	June 1986	UNC-WRRI-226	Stormwater Management in Urban
70032					Considerations for Using Herbicides
70033		NCSU	June 1986	UNC-WRRI-227	for Aquatic Weed Control in Domestic
70024	Kuenzler, Edward J.	UNC-CH	June 1986	UNC-WRRI-228	Nutrient Cycling and Productivity of a
					The Relationship Between River Flow
70037	Christian, Robert R.	ECU	March 1986	UNC-WRRI-223	and Microcystis Aeruginosa Blooms in
1005					
1985					
unknown					Water resources research interests in
number	Howells, David H.	UNC	1985	UNC-WRRI-003	the colleges and universities of North
unknown			A 11 400-		An Analysis of the Water Balance of B.
number	Moreau, David H.	UNC-CH	April 1985	UNC-WRRI-221	Everett Jordan Lake Including
					Future Drinking Water: State and
70036	Burby, Roymond J.	UNC-CH	December 1985	UNC-WRRI-222	Local Policies for Future Drinking
4004					
1984	Maragu David II	LINC CLI	4004	LING WDDL 040	Financias Motor Consultrand
70011	Moreau, David H.	UNC-CH	1984	UNC-WRRI-212	Financing Water Supply and
70022	France Deviation	Dulca	4004	LING WEDL 040	Mercury in Peat and its Drainage
70023	Evans, David W.	Duke	1984	UNC-WRRI-218	Waters in Eastern North Carolina
unknown	Porkor I C	NCCLI	4004	LINC WDDL 040	Evaluation of a Vegetative Filter for
number	Barker, J. C.	NCSU	1984	UNC-WRRI-219	Dairy Wastewater Treatment in
50070	Crogon, I D	NCCLI	Aug.:et 4004	LINC WDDL 244	Hydrologic and Water Quality Impacts
50071	Gregory, J. D.	NCSU	August 1984	UNC-WRRI-214	of Peat Mining in North Carolina
70012					Hydrilla Management in North

70013	Hodson, Ronald G.	NCSU	August 1984	UNC-WRRI-217	Carolina
unknown					Financing Water Projects in North
number	Snyder, Thomas	UNC-CH	August 1984	UNC-WRRI-220	Carolina: The State Role
					A Survey of Potential Population
70018	Turner, Alvis G.	UNC-CH	January 1984	UNC-WRRI-213	Exposures to Chemical Contaminants
B-144-NC		UNC-CH	March 1984	UNC-WRRI-215	Benthic Nutrient Cycling in the
					A Study of Radium-226 and Radon-
					222 Concentrations in Ground Water
B-145-NC	Mitsch, Barry F.	UNC-CH	March 1984	UNC-WRRI-216	Near a Phosphate Mining and
1983					
unknown					Natural Radioactivity in North Carolina
number	Menetrez, Marc Y.	NCSU	1983	UNC-WRRI-208	Ground Water Supplies
					Factors regulating nuisance blue-
A-122-NC	Paerl, Hans W.	UNC-CH	1983	UNC-WRRI-188	green algal bloom potentials in the
B-132-NC	Reed, James P.	NCSU	1983	UNC-WRRI-190	The effects of low level turbidity on fish
					The freshwater Asian clam Corbicula
A-124-NC	Lauritsen, Diane D.	NCSU	1983	UNC-WRRI-192	fluminea as a factor affecting nutrient
	,				The use of Landsat MSS digital data in
A-125-NC	Khorram, Siamak	NCSU	1983	UNC-WRRI-193	water quality mapping of the Neuse
	,				Sources and fates of sedimentary
A-128-NC	Benninger, Larry K.	UNC-CH	1983	UNC-WRRI-194	organic matter in the White Oak and
B-116-NC	Malcom, H. Rooney		1983	UNC-WRRI-199	Urban stormwater management needs
A-112-NC	Shuman, Mark S.	UNC-CH	1983	UNC-WRRI-200	Metal loading of the B. Everett Jordan
unknown	,				Water resources research interests in
number	Howells, David H.	UNC	1983	UNC-WRRI-003	the colleges and universities of North
84-07-50113		NCSU	August 1983	UNC-WRRI-202	Effulent Decolorization Technologies
50096	Stanley, Donald W.		August 1983	UNC-WRRI-204	Nitrogen Cycling and Phytoplankton
B-127-NC		UNC-CH	August 1983	UNC-WRRI-205	Land Use, Nutrient Yield, and
	, , ,		<u> </u>		Specific Identification of Organic
A-127-NC	Dietrich, Andrea M.	UNC-CH	August 1983	UNC-WRRI-206	Pollutants in Haw River Water Using
	,		Ŭ		Erosion of banks along Piedmont
A-113-NC	Wilson, Michael P.	TX A&M	February 1983	UNC-WRRI-189	urban streams
50091	-	NCSU	January 1983	UNC-WRRI-185	Variations in monthly precipitation
B-140-NC		Duke	June 1983	UNC-WRRI-196	State options for nonstructural flood
	, ,				Present and potential impacts of toxic
70019	Huishigh, Donald	NCSU	June 1983	UNC-WRRI-198	substances on municipal ground water
B-143-NC	<u> </u>	ECU	May 1983	UNC-WRRI-191	Biogeochemistry of the sediments of
50107	-	NCSU	May 1983	UNC-WRRI-195	Precipitation probabilities based on
A-123-NC	-	NCSU	May 1983	UNC-WRRI-197	Enzymatic pretreatment of pulp mill
				2	Hydrologic Information Storage and
	Wiser, Edward H.	NCSU	September 1983	UNC-WRRI-201	Retrieval System (HISARS) User's

					Water Description Management in a
D 40E NC	Edamon Torry D	NCCLI	Contombor 1002	LINC WDDL 202	Water Resources Management in a Federal System: A Comparative
B-135-NC	Edgmon, Terry D.	NCSU	September 1983	UNC-WRRI-203	
A 400 NO	A 1.1	NOOLI	0 1 1 1000	LINIO MEDI 007	Abatement of Heavy Metals in
A-133-NC	Ayres, J. Lewis	NCSU	September 1983	UNC-WRRI-207	Industrial Effulents by a Catalized,
D 400 NO	Leader T O	NOOLI	0 1 1 1000	LINIO MEDI 000	Nitrate Loss From Agricultural
B-129-NC	-	NCSU	September 1983	UNC-WRRI-209	Drainage Waters: Implications for
	Medina Jr., Miguel				An Integrated Methodology for
A-130-NC	A.	Duke	September 1983	UNC-WRRI-210	Instream Flow Strategies
		NOOL	0 / 1 /000	LINIO MEDI 044	Investigation of Strategies for
A-110-NC	Humenik, Frank J.	NCSU	September 1983	UNC-WRRI-211	Reducing Agricultural Nonpoint
1982					
1902	Overcash, Michael				Behavior of organic priority pollutants
B-122-NC		NCSU	1982	UNC-WRRI-171	in the terrestrial system: Di-n-butyl
	N.	INC30	1902	UNC-WKKI-171	Environmental factors promoting and
B-127-NC	Paerl, Hans W.	UNC-CH	1982	UNC-WRRI-176	regulating N2 fixing blue-green algal
(B) A-119-NC	Nunnally, Nelson R.		1982	UNC-WRRI-176	A rapid, low-cost technique for
B-120-NC		NCSU	1982	UNC-WRRI-181	·
B-120-NC				UNC-WRRI-179	Evaluation of public participation in the Trihalomethane formation in water
D-120-NC	Singer, Philip C.	UNC-CH	April 1982	UNC-WRRI-179	
A-120-NC	Malby Charles M	NCSU	August 1002	UNC-WRRI-184	Use of geologic and water yield data
A-120-NC		INCSU	August 1982	UNC-WKKI-104	from groundwater-based community Hydrologic and water quality modeling
A 447 NC	Medina Jr., Miguel	Duko	December 1002	UNC-WRRI-183	
A-117-NC		Duke	December 1982	UNC-WRRI-103	for instream flow strategies Nutrient and multi-species criteria
B-127-NC (Witherspoon, A. M.	NCSU	December 1982	UNC-WRRI-187	standard for the Chowan River, North
B-121-NC	` '	NCSU		UNC-WRRI-177	Water resource management and
D-121-NC	Smith, Frank J.	NCSU	July 1982	UNC-WRRI-177	Treatability analysis of digester
A 000 NC	Cingar Dhilin C	UNC-CH	lub 4000	UNC-WRRI-182	
A-089-NC	Singer, Philip C.	UNC-CH	July 1982		supernatant and other return flows to
A-104-NC	Tobiason, John E.		March 1982	UNC-WRRI-172	Filtration performance in water and
unknown		LINIO	Manala 4000	LINO MDDI 470	Albemarle Sound-Trends and
number		UNC	March 1982	UNC-WRRI-178	Management Needs (Proceedings for
B-127-NC	K as law Ed. and L	LINIO OLI	0 1 1 1000	LINIO MEDI 400	Phytoplankton uptake and sediment
(A)	Kuenzler, Edward J.	UNC-CH	September 1982	UNC-WRRI-186	release of nitrogen and phosphorus in
1981					
1901					Easters to be considered in dispesies
A 105 NO	Covila Codfray A	NC ART	1001	LINC WDDI 160	Factors to be considered in disposing
A-105-NC	Gayle, Godfrey A.	NC-A&T	1981	UNC-WRRI-160	domestic waste on problem sites and
A 111 NC	Edamon Torrico	NCCLI	1001	LINC WDDI 166	Municipal intergovernmental relations
A-114-NC		NCSU	1981	UNC-WRRI-166	and water resources decision making
A-090-NC		UNC-CH UNC-CH	1981	UNC-WRRI-168	Survival and fate of enteric viruses in
A-109-NC	•	UNC-CFI	1981	UNC-WRRI-169	Application of advanced technology
A 094 NC	Pfaender, Frederic	TINC CH	1001	UNC-WRRI-174	Development of immunoenzymatic
A-084-NC	K.	UNC-CH	1981	UNC-WKKI-1/4	methods for detection and quantitation

B-127-NC					Algal assay studies of the Chowan
(A)	Sauer, Mary M.	UNC-CH	April 1981	UNC-WRRI-161	River, North Carolina
A-115-NC		NCSU	April 1981	UNC-WRRI-164	A technique for evaluating the
	,,				Simulated streamflow data for North
A-093-NC	Wiser, Edward H.	NCSU	December 1981	UNC-WRRI-170	Carolina
A-095-NC		UNC-CH	January 1981	UNC-WRRI-162	Stream monitoring for heavy metals by
50058	Berkowitz, Steven	WCU	June 1981	UNC-WRRI-163	On-site wastewater treatment
	·				Nitrogen cycling and assimilative
B-114-NC	Brinson, Mark M.	ECU	May 1981	UNC-WRRI-167	capacity of nitrogen and phosphorus
					Environmental aspects of some
A-116-NC	Belt, P. B.	NCSU	November 1981	UNC-WRRI-175	alternative pulp bleaching techniques
					Economic and technical evaluations of
A-098-NC	Drynan, Ross G.	NCSU	September 1981	UNC-WRRI-173	swine manure management systems
	•		·		
1980					
B-112-NC	Esch, Gerald W.	Wake	1980	UNC-WRRI-153	The ecology of Aeromonas hydrophilia
B-093-NC	Malcom, H. Rooney	NCSU	1980	UNC-WRRI-156	A study of detention in urban
A-082-NC	Sherwani, Jabbar	UNC-CH	1980	UNC-WRRI-158	Public policy for the management of
B-102-NC	Skaggs, R. W.	NCSU	1980	UNC-WRRI-159	Effect of agricultural land development
B-092-NC	Lauria, Donald T.	UNC-CH	1980	UNC-WRRI-146	Nutrient models for engineering
B-094-NC	Maki, T. Ewald	NCSU	1980	UNC-WRRI-147	Effects of stream channelization on
	Overcash, Michael				Characterization and land application
B-100-NC		NCSU	April 1980	UNC-WRRI-142	of seafood processing wastes
	Nierstedt, Raymond				Wastewater management in coastal
50020		UNC-CH	December 1980	UNC-WRRI-165	North Carolina
	Hugschmidt,				State water resource planning and
B-103-NC	,	UNC-CH	February 1980	UNC-WRRI-143	policy in North Carolina
A-102-NC	Kuenzler, Edward J.	UNC-CH	January 1980	UNC-WRRI-154	Phosphorus dynamics in a North
B-100-NC	Pal, Dhiraj	NCSU	July 1980	UNC-WRRI-141	Application of land treatment
A-096-NC	Godschalk, David	UNC-CH	May 1980	UNC-WRRI-155	Public participation in statewide 208
					Distributions and budgets of carbon,
B-110-NC	Kuenzler, Edward J.	UNC-CH	May 1980	UNC-WRRI-157	phosphorus, iron and manganese in a
					Wastewater spray transport in land
B-104-NC	Reist, Parker C.	UNC-CH	November 1980	UNC-WRRI-152	application
1979					
unknown					Benefits and cost of seasonal effluent
number	Hargett, David	NCSU	1979	UNC-WRRI-135	permits in North Carolina
	Mauch Knopf,				Economic and environmental impacts
A-103-NC	Bruce J.	UNC-CH	1979	UNC-WRRI-151	of rural water systems in NC
A-087-NC		UNC-CH	1979	UNC-WRRI-145	Methods for the assessment of
	Kirby-Smith, William				The water quality ramifications in
A-091-NC	W.	Duke	1979	UNC-WRRI-148	estuaries of converting forest to

unknown					Guidelines for socioeconomic impact
number	Hargett, David	NCSU	1979	UNC-WRRI-149	analyses of environmental regulations
A-092-NC		UNC-CH	1979	UNC-WRRI-150	Water resource consequences of
	Witherspoon, A. M.				Phytoplankton response to water
B-091-NC		NCSU	April 1979	UNC-WRRI-129	quality in the Chowan River Estuary
B-081-NC	Amein, Michael	NCSU	April 1979	UNC-WRRI-130	Water quality management model for
50019	Moreau, David H.	UNC-CH	August 1979	UNC-WRRI-138	An evaluation of small scale dispersed
	Campbell, William				Legal aspects of floodplain
B-109-NC		UNC-CH	February 1979	UNC-WRRI-137	management
	Nunnally, Nelson R.	UNC-C	July 1979	UNC-WRRI-144	Use of fluvial processes to minimize
B-100-NC		NCSU	June 1979	UNC-WRRI-140	Assessment of land treatment
B-092-NC	Kuenzler, Edward J.	UNC-CH	May 1979	UNC-WRRI-139	Nutrient kinetics of phytoplankton in
1978					
A-086-NC	Skaggs, R. W.	NCSU	1978	UNC-WRRI-134	A water management model for
					An evaluation of the potential for using
A-083-NC	Gilliam, J. W.	NCSU	1978	UNC-WRRI-128	drainage control to reduce nitrate loss
unknown					Legal and administrative aspects of
number	Howells, David H.	UNC	1978	UNC-WRRI-133	water allocation and management in
unknown					
number	Galloway Jr., G. E.	USMA	December 1978	UNC-WRRI-136	Assessing man's impact on wetlands
A-088-NC	Davis, Graham J.	ECU	January 1978	UNC-WRRI-131	Organic carbon and deoxygenation in
unknown					Transfer of water resources
number	Grigg, Neil S.	UNC	July 1978	UNC-WRRI-132	knowledge: An assessment
1977					
A-070-NC	Shuman, Mark S.	UNC-CH	1977	UNC-WRRI-124	Metals in the water sediments and
unknown					Proceedings, N.C. 208 Problems
number	Stewart, James M.	UNC	May 1977	UNC-WRRI-125	Assessment Workshop
	Pfaender, Frederic				Monitoring heavy metals and
A-073-NC	K.	UNC-CH	October 1977	UNC-WRRI-126	pesticides in the Cape Fear River
B-084-NC	Kuenzler, Edward J.	UNC-CH	October 1977	UNC-WRRI-127	Water quality in North Carolina coastal
1976					
B-074-NC	Shuman, Mark S.	UNC-CH	1976	UNC-WRRI-113	Sensors for continuous monitoring of
B-068-NC	-			UNC-WRRI-113	Agricultural water demands in North
D-000-IVC	Sowell, Robell S.	NCSU	1976	UNC-WKKI-114	Use of multispectral photography in
A-076-NC	Welby, Charles W.	NCSU	1976	UNC-WRRI-115	water resources planning and
A-070-NC	vvelby, Chanes vv.	INCOU	1970	OINC-WKKI-113	Recycling of nitrogen in the Chowan
D 077 NC	Stanlay Danald M	NCCLI	Dosamhar 1076	UNC-WRRI-121	, ,
B-077-NC	Stanley, Donald W.	INCSU	December 1976	UNC-WKKI-121	River Open space and urban water
B-086-NC	Elfers, Karl	UNC-CH	December 1976	UNC-WRRI-122	management, Phase II, North Carolina
2 000 110	Liioio, Raii	0.10 011	December 1970	SING WINITIZZ	management, i hase ii, Nottii Caloilla

					The distribution of toxic metals in
B-071-NC	Whaling, Patrick J.	Duke	December 1976	UNC-WRRI-123	marine ecosystems as a result of
A-078-NC		UNC-CH	July 1976	UNC-WRRI-119	The trophic state of North Carolina
	Overcash, Michael				·
B-067-NC		NCSU	June 1976	UNC-WRRI-117	Overland flow poultry waste system
A-071-NC	Carlile, B. L.	NCSU	June 1976	UNC-WRRI-118	Evaluation of soil systems for land
A-077-NC	Davis, Graham J.	ECU	March 1976	UNC-WRRI-112	The submersed macrophytes of the
A-075-NC	Francisco, Donald	UNC-CH	May 1976	UNC-WRRI-111	Availability of aluminum phosphate
B-064-NC	Wiser, Edward H.	NCSU	May 1976	UNC-WRRI-116	Regional simulation of streamflow
A-079-NC	Little, Linda W.	UNC-CH	May 1976	UNC-WRRI-099	Characterization and treatment of
					Primary productivity & mineral cycling
B-079-NC	Brinson, Mark M.	ECU	September 1976	UNC-WRRI-120	in aquatic macrophyte communities of
1075					
1975					Englacian studios of two swams
B-049-NC	Porduo Corlord P	NCCLI	1075	UNC-WRRI-105	Ecological studies of two swamp watersheds in northeastern N.C.: A
B-049-NC	Pardue, Garland B.	NCSU	1975	UNC-WRRI-105	Effects of stream channelization on
A 000 NC	O'Rear Jr., Charles	FOLL	A	LINC WDDI 400	
A-080-NC		ECU LING CIT	August 1975	UNC-WRRI-108	the modification of nutrient and metal
B-073-NC B-054-NC		NCSU	January 1975	UNC-WRRI-104 UNC-WRRI-109	Open space and urban water
			July 1975	UNC-WRRI-109	A bargaining approach for least-cost
A-065-NC	Sherwani, Jabbar	UNC-CH	June 1975	UNC-WRRI-107	Strategies for water quality monitoring
D 075 NO	Davis Adam O	NOOLI	Manala 4075	LING WDDL 400	Alternative information and interaction
B-075-NC	Davis, Adam C.	NCSU	March 1975	UNC-WRRI-106	approaches to public participation in
D OCO NC	Lourio Donald T	LINC CH	November 1075	LINC WDDI 440	Models for municipal and industrial
B-060-NC	Lauria, Donald T.	UNC-CH	November 1975	UNC-WRRI-110	water demand forecasting in N.C.
1974					
unknown					The present and future status of
number	Hawley, Arthur J.	UNC-CH	1974	UNC-WRRI-087	Eastern North Carolina wetlands
					Capacity of water-based recreation
	Hammon, Grodon				systems. Part I, State of the art: A
B-013-NC	A.	NCSU	1974	UNC-WRRI-090	literature review. Part II, A systems
					Capacity of water-based recreation
B-013-NC	Cordell, Harold K.	NCSU	1974	UNC-WRRI-090	systems. Part III, Methods for
unknown					Water resources problems and
number	Howells, David H.	UNC	1974	UNC-WRRI-002	research needs of North Carolina: A
unknown					Water resources research interests in
number	Howells, David H.	UNC	1974	UNC-WRRI-003	the colleges and universities of North
B-057-NC	LaSalle, Rachard N.	NCSU	April 1974	UNC-WRRI-092	Effects of salt marsh impoundments
A-060-NC	Skaggs, R. W.	NCSU	August 1974	UNC-WRRI-103	An evaluation of the use of waste heat
B-039-NC					The fate of fertilizer nutrients as
B-056-NC					related to water quality in the North
B-063-NC	Gambrell, R. P.	NCSU	August 1974	UNC-WRRI-093	Carolina coastal plain

B-041-NC					Nutrients and phytoplankton in the
B-052-NC	Hobbie, John E.	NCSU	August 1974	UNC-WRRI-100	Pamlico Estuary, 1971-73
	·				Additional studies of the effects of salt
B-057-NC	Dukes, James C.	NCSU	December 1974	UNC-WRRI-102	marsh impoundments on mosquito
A 074 NO	OlMal'a Olaska D		D	LINIO MIDDI 007	Dharatan a silina in talan
A-074-NC	O'Melia, Charles R.		December 1974	UNC-WRRI-097	Phosphorus cycling in lakes
B-052-NC	Harrison, William G.	NCSU	January 1974	UNC-WRRI-086	Nitrogen budget of a North Carolina
	Hufschmidt,				Environmental statements and water
A-063-NC	Maynard M.	UNC-CH	June 1974	UNC-WRRI-094	resource planning in North Carolina
					Proceedings, Conference on Public
		UNC	June 1974	UNC-WRRI-095	Participation in Water Resources
A-006-NC	•	UNC-CH	June 1974	UNC-WRRI-096	Methods for transferring water
B-007-NC	•	UNC-CH	October 1974	UNC-WRRI-101	Long term trends in water quality, Haw
A-072-NC	Young, C. Edwin	NCSU	October 1974	UNC-WRRI-098	Economic analysis of land treatment
1973					
unknown					Proceedings, Workshop on Land
number	Stewart, James M.	UNC	1973	UNC-WRRI-091	Disposal of Wastewaters
B-005-NC		UNC-CH	April 1973	UNC-WRRI-075	Computer simulation of ground water
A-061-NC		NCSU	August 1973	UNC-WRRI-084	Precipitation variability over North
	,				Determination of the domplexing
A-052-NC	Hanck, Kenneth W.	NCSU	December 1973	UNC-WRRI-085	capacity of natural waters
	,				Public participation in water pollution
A-049-NC	Davis, Adam C.	NCSU	December 1973	UNC-WRRI-088	control policy and decision making
	Wuenscher, James				Landscape compartmentalization: An
A-062-NC		Duke	December 1973	UNC-WRRI-089	ecological approach to land use
		2 0.110			Effects of mosquito control ditching on
B-026-NC	Kuenzler, Edward J.	UNC-CH	February 1973	UNC-WRRI-081	estuarine dcosystems
B-025-NC			i condary rond		00144611110 40005)0101110
B-047_NC					The effects of authorization for water
B-061_NC	Burby, Raymond J.	LINC-CH	June 1973	UNC-WRRI-079	impoundments on shoreland transition
B 001_110	Baiby, Raymona 0.	0110 011	oune 1979	ONO WINITO	The effects of ditching on the
B-027-NC	LaSalle, Rachard N.	NCSLI	June 1973	UNC-WRRI-082	mosquito populations in some
B-021-NC	Labano, Itabilala IV.	11000	ounc 1373	UNC-WRRI-077	Regional water resources planning for
B-045-NC	Moreau, David H.	UNC-CH	March 1973	UNC-WRRI-078	Regional water resources planning for
D 043 110	Woreau, David I I.	ONO-CIT	Water 1975	ONO WICH 070	Agricultural water demands in N.C.:
A-057-NC	Sneed, Ronald E.	NCSU	Sontombor 1072	UNC-WRRI-083	Phases I & II
A-037-NC	Sneed, Ronald E.	NCSU	September 1973	UNC-VVKKI-003	Filases I & II
1972					
A-031-NC	Gilliam, J. W.	NCSU	1972	UNC-WRRI-055	Loss of fertilizer nutrients from soils to
unknown					Proceedings, Workshop on Sediment
number	-	UNC	1972	UNC-WRRI-063	Control
B-010-NC	Maki, T. E.	NCSU	1972	UNC-WRRI-071	Effects of land use on municipal

unknown					Water resources research interests in
number	Howells, David H.	UNC	1972	UNC-WRRI-003	the colleges and universities of North
unknown	, , , , ,				Inventory of active water resources
number	Howells, David H.	UNC	1972	UNC-WRRI-004	research projects in North Carolina
A-040-NC	Sheets, T. J.	NCSU	April 1972	UNC-WRRI-060	Contamination of surface and ground
			7.7		Analog modeling to determine the
B-006-NC	Kriz, George J.	NCSU	April 1972	UNC-WRRI-064	fresh water availability on the Outer
	, ,		'		The effects of sewer surcharges on
B-032-NC	Elliott, Ralph D.	Clem	August 1972	UNC-WRRI-070	the level of industrial wastes and the
	, ,				An investigation of curricula, materials
A-054-NC	Brown, James C.	UNC-CH	December 1972	UNC-WRRI-074	and methodology for training
	·				Nutrients in the Pamlico Estuary, N.C.,
B-020-NC	Hobbie, John E.	NCSU	December 1972	UNC-WRRI-076	1969-1971
	·				Water and wastewater management in
A-058-NC	Caravan, Roy E.	NCSU	December 1972	UNC-WRRI-080	dairy processing
A-004-NC		UNC-CH	January 1972	UNC-WRRI-042	A comparison of state water pollution
A-048-NC		NCSU	June 1972	UNC-WRRI-061	Animal waste characterization and
A-045-NC	-	NCSU	June 1972	UNC-WRRI-066	Hydrologic Information Storage and
A-041-NC		NCSU	June 1972	UNC-WRRI-068	Estuarine ecosystems and high
A-061-NC	*	NCSU	June 1972	UNC-WRRI-069	Some features in the diurnal variations
B-004-NC		NCSU	March 1972	UNC-WRRI-065	Phosphorus and eutrophication in the
A-046-NC		NCSU	May 1972	UNC-WRRI-058	Perception of water resources
	Wilkinson, Richard		,		Integration of multiple objectives in
A-051-NC	R.	NCSU	May 1972	UNC-WRRI-062	urbanizing watersheds through
A-033-NC		NCSU	May 1972	UNC-WRRI-067	Water table control and subsurface
	, J				Further characteristics of the water
A-056-NC	Weiss, Charles M.	UNC-CH	November 1972	UNC-WRRI-073	quality of the New Hope and Lower
	,				Regional development of public water
A-055-NC	Higgins, John M.	UNC-CH	September 1972	UNC-WRRI-072	supply systems
	,		-		
1971					
unknown					Water resources research interests in
number	Howells, David H.	UNC	1971	UNC-WRRI-003	the colleges and universities of North
unknown	,				Inventory of active water resources
number	Howells, David H.	UNC	1971	UNC-WRRI-004	research projects in North Carolina
A-043-NC		UNC-CH	1971	UNC-WRRI-050	The synthesis of flows in North
A-050-NC	Ito, Takeru	ECU	August 1971	UNC-WRRI-054	Chromatographic concentration of
unknown	,				Proceedings, Workshop on Toxic
number		UNC	August 1971	UNC-WRRI-057	Metals in Water
			Ŭ		Migration and metabolism in a stream
B-007-NC	Hall, Charles A. S.	UNC-CH	February 1971	UNC-WRRI-049	ecosystem
unknown	,		, , ,		Review of small watershed and
number	Heath Jr., Milton S.	UNC-CH	January 1971	UNC-WRRI-053	drainage laws in North Carolina

unknown					The critical thermal maximum of
number	Bridges, David W.	NCSU	January 1971	UNC-WRRI-043	juvenile Spot. Leisotomus xanthurus,
A-044-NC	Bellis, Vincent J.	ECU	January 1971	UNC-WRRI-046	A computer based floristic analysis of
					Perception of water resource
A-046-NC	Stewart, James M.	NCSU	January 1971	UNC-WRRI-047	information sources and educational
					Water quality characteristics of the
B-007-NC	Weiss, Charles M.	UNC-CH	January 1971	UNC-WRRI-048	New Hope and Lower Haw Rivers,
B-012-NC	Burby, Raymond J.	UNC-CH	March 1971	UNC-WRRI-051	Household decision processes in the
A-010-NC	Sherwani, Jabbar	UNC-CH	March 1971	UNC-WRRI-026	The effect of different low-flow
B-012-NC	Burby, Raymond J.	UNC-CH	May 1971	UNC-WRRI-052	A model for simulating residential
unknown					Proceedings, Workshop on Poultry
number	Carawan, Roy E.	NCSU	September 1971	UNC-WRRI-059	Processing Plant Water Utilization and
					Phytoplankton species and
B-004-NC	Hobbie, John E.	NCSU	Septemer 1971	UNC-WRRI-056	populations in the Pamlico River
1070					
1970 unknown					Water resources research interests in
number	Howella David H	UNC	1970	UNC-WRRI-003	the colleges and universities of North
unknown	Howells, David H.	UNC	1970	UNC-WKKI-003	Inventory of active water resources
number	Howella David H	UNC	1970	UNC-WRRI-004	research projects in North Carolina
unknown	Howells, David H.	UNC	1970	UNC-WKKI-004	
	Herrelle Devid H	LINIC	4070	LINC WDDL 00C	Proceedings, Workshop on Mosquito Control in North Carolina
number	Howells, David H.	UNC	1970	UNC-WRRI-036	
unknown number	Howella David H	UNC	1970	UNC-WRRI-045	Proceedings, Workshop on Stream Channelization and Wetland Drainage
B-004-NC	Howells, David H. Hobbie, John E.	NCSU	August 1970	UNC-WRRI-049	Hydrography of the Pamlico River
D-004-INC	Hobbie, John E.	NCSU	August 1970	UNC-WKKI-039	Factors influencing the residential
B-012-NC	Burby, Raymond J.	LINIC CH	December 1970	UNC-WRRI-044	utilization of reservoir shorelands in
A-004-NC	Gramley, Dale I.	UNC-CH	January 1970	UNC-WRRI-021	A study of water pollution control in the
			-		Water monitoring system for
A-021-NC	Sheets, T. J.	NCSU	January 1970	UNC-WRRI-019	5 ,
A 022 NC	Dhilling D. D.	NCSU	January 1070	LINIC WIDDL OOF	Abatement of pollution from pulp and
A-032-NC B-012-NC	Phillips, R. B.	UNC-CH	January 1970	UNC-WRRI-025	paper wastes by modification and
	,, ,		July 1970	UNC-WRRI-038	Public policy and shoreline landowner
B-003-NC	Weiss, Charles M.	UNC-CH	June 1970	UNC-WRRI-034	The relative significance of
A 026 NO	Doggero Charles M	NCCLI	luna 4070	LINC WDDL 005	Survey of water utilization and waste
A-036-NC	Rogers, Charles N.		June 1970	UNC-WRRI-035	control practices in the Southern pulp
A-034-NC		Duke	June 1970	UNC-WRRI-037	Quality of stormwater drainage for
B-004-NC	Hobbie, John E.	NCSU	March 1970	UNC-WRRI-033	Phosphate concentration in the
A 047 NO	Ethnisland Dan E	LIM of Dalls	Nava - 1 4070	LINO WDDI 044	An economic study of the effect of
A-047-NC	Ethridge, Don E.	UM at Rolla	November 1970	UNC-WRRI-041	municipal sewer surcharges on
D 004 NO	Tanara Karrath D	NCCLI	0	LING WEDL 040	The macrobenthos of the Pamlico
B-004-NC	Tenore, Kenneth R.	INCSU	September 1970	UNC-WRRI-040	Estuary
1969					
.505					

unknown					Water resources research interests in
number	Howells, David H.	UNC	1969	UNC-WRRI-003	the senior colleges and universities of
unknown					Inventory of active water resources
number	Howells, David H.	UNC	1969	UNC-WRRI-004	research projects in North Carolina
A-020-NC		UNC-CH	1969	UNC-WRRI-013	Current study in the Neuse River and
					Color-infrared aerial photographic
A-003-NC	Stroud, Linda M.	NCSU	1969	UNC-WRRI-014	interpretation and net primary
					Simulation of regional economic
A-024-NC	Meadows, John C.	ISU	1969	UNC-WRRI-016	impacts of water resources
unknown	Livengood, Charles				
number	D.	NCSU	1969	UNC-WRRI-018	Textile wastes: Bibliography
A-030-NC		NCSU	1969	UNC-WRRI-020	A field and laboratory study of fluoride
A-022-NC	O'Melia, Charles R.	UNC-CH	1969	UNC-WRRI-023	Oxygenation of iron (II) in continuous
unknown					Proceedings, Workshop on Water
number	Howells, David H.	UNC	1969	UNC-WRRI-027	Resource Problems and Research
unknown					Proceedings, Workshop on Flood
number	Howells, David H.	UNC	1969	UNC-WRRI-028	Plain Management
unknown					Proceedings, Workshop on Water and
number	Howells, David H.	UNC	1969	UNC-WRRI-030	Sewer Charges as Related to Water
	Bohannon Jr.				Neutron activation analysis in water
A-039-NC	James, R.	NCSU	1969	UNC-WRRI-031	resources management in North
					The use of stream channels to deliver
	Gill, Douglas	UNC-CH	December 1969	UNC-WRRI-032	stored water: The possibility of
A-001-NC	,	NCSU	January 1969	UNC-WRRI-017	Streamflow routing: With application to
A-008-NC	Lutz, J. Fulton	NCSU	June 1969	UNC-WRRI-024	Movement and storage of water in
					The role of reservoir owner policies in
B-012-NC	Burby, Raymond J.	UNC-CH	November 1969	UNC-WRRI-029	guiding reservoir land development
1968					
unknown					Water resources research interests in
number	Howells, David H.	UNC	1968	UNC-WRRI-003	the senior colleges and universities of
unknown					Inventory of active water resources
number	Howells, David H.	UNC	1968	UNC-WRRI-004	research projects in North Carolina
A-009-NC	Welby, Charles W.	NCSU	1968	UNC-WRRI-008	Solubility equilibria involving metal
A-007-NC	Kashef, Abdel-Aziz	NCSU	1968	UNC-WRRI-011	Diffusion and dispersion in porous
A-025-NC	Kelly, Robert A.	UNC-CH	1968	UNC-WRRI-012	Pigment indices and environment
unknown					Proceedings, Symposium on Better
number	Howells, David H.	UNC	1968	UNC-WRRI-015	Water and Sewer Services for Small
	McJunkin, Frederick				Water resources of North Carolina: An
A-018-NC	E.	UNC-CH	1968	UNC-WRRI-022	inventory of information and data
					Lake oriented subdivisions in North
A-023-NC	Andrus, Newton W.	UNC-CH	April 1968	UNC-WRRI-010	Carolina: Decision factors and policy

1967						
A-001-NC	Stott, Charles C.	NCSU		1967	UNC-WRRI-001	Criteria for evaluating the quality of
	Howells, David H.	UNC		1967	UNC-WRRI-002	Water resources problems and
	Howells, David H.	UNC		1967	UNC-WRRI-003	Water resources research interests in
	Howells, David H.	UNC		1967	UNC-WRRI-004	Inventory of active water resources
	Howells, David H.	UNC		1967	UNC-WRRI-005	Proceedings of symposium on
A-014-NC	Kuenzler, Edward J.	UNC-CH		1967	UNC-WRRI-006	Current studies in Pamlico River and
A-005-NC	Hentz Jr., Forrest	NCSU		1967	UNC-WRRI-007	Solubility equilibria involving metal
						Lake oriented subdivisions in North
A-023-NC	Burby, Raymond J.	UNC-CH		November 1967	UNC-WRRI-009	Carolina: Decision factors and policy
1966						
unknown						Water resources research interests in
number	Howells, David H.	UNC		1966	UNC-WRRI-003	the senior colleges and universities of
A-016-NC	Jennings, Harley	NCSU	Recovery of Warp Sizes	June 1966	WRRI-SRS-1	Recovery of Warp Sizes
			Plankton Heterotrophy in a North			Plankton Heterotrophy in a North
A-015-NC	Hobbie, John E.	NCSU	Carolina Estuary	November 1966	WRRI-SRS-2	Carolina Estuary