

UD Institute for Public Administration – Water Resources Agency
Current and Future Projects (as of May 27, 2005)

Project	Start Date	End Date	Staff Involved	% Complete	Comments
IPA-WRA Brochure	Apr 2005	Jun 2005	NM, MC	60%	New brochure will be mailed, emailed to IPA-WRA mailing list
DE Comprehensive Economic Development Study	Mar 2005	Jul 2005	KV, MC, JK	30%	Completed research for facts sheets on water supply, water quality, and wastewater.
UD Marine Extension – NEMO Public Outreach Project			NM, MW, MC, KV	90%	Staff wrote impervious cover and source water protection chapters with GIS mapping for NEMO education of municipal officials manual.
GIS Education for Elementary and Middle Schools			NM		Establish GIS based water and environmental curriculum for elementary and middle schools in Sussex County.
DE Water Supply Coordinating Council					
- Northern DE Drought Operating Plan	Jun 2004	Jun 2005	KV, MC, JK, MW	95%	DOP to be included in 7 th report to Governor and General Assembly June 30, 2005.
- 7 th Report to Governor and General Assembly	May 2005	Jun 2005	KV, MC, MW, JK	70%	Sent first draft of 7 th Report to WSCC for review and comment.
- Southern NCC Water Supply/Demand Study	Sep 2004	Sep 2005	KV, MC, AH, JK	50%	Preparing first draft of report for consideration by WSCC.
DE Source Water Assessment Program					
- Source Water Protection Manual for Local Governments in DE	Jan 2004	May 2005	NM, AH, KV, MC, MW, JK	100%	Completed series of public workshops outlining the manual. Printing 100 copies of final manual for DNREC and General Assembly.
- SWAP website		Ongoing	NM	ongoing	Updating SWAP web site in accordance with grant from DNREC
-Source Water Ordinances Local Gov'ts.			KV, MC, MW, JK	10%	Working on program with IPA Planning Group to write source water protection ordinances for local governments to meet DE law of 2001.
Christina Basin Clean Water Partnership					
- USEPA Watershed Initiative Grant	Oct 2003	Sep 2006	MC, JK	40%	Administering grant as DE watershed coordinator and stormwater retrofitting projects rain garden on UD campus.
- Christina Basin Tributary Action Team	June 2005	June 2006	KV, MC, JK	5%	Developing scope of work to assist DNREC and form CB Tributary Action Team. Purpose to prepare TMDL Pollution Control Strategy.
New Castle County					
- Southern New Castle County Preferred Watershed Strategy	Jan 2004	June 2005	LS, AH, JK	80%	Finalizing GIS mapping and analysis to identify preferred watersheds in So. NCC. Workshop for NCC staff in June 2005.
- Water Resource Protection Area Recharge Facility Database		June 2005	MH, JK	85%	Setting up database of recharge facilities as requested by NCC resource protection area technical advisory committee.

City of Wilmington					
- Hoopes Reservoir Operating Plan	May 2005	ongoing	MC, JK	10%	Serve on Hoopes Reservoir Drought Operating Plan committee, first meeting May 2, 2005.
- GISWilmington, Dept. of Public Works	Sep 2004	Sep 2006	AH, EC, LR, AK		Scanning water distribution system maps into GIS for Newark Water Department.
City of Newark					
- GIS City of Newark, Water and Wastewater Dept.	Dec 2004	May 2005	AH, EC, LR, AK		Scanning 160 water distribution system maps into GIS for Newark Water Department.
- Newark Reservoir		Dec 2005	MW, JK	85%	Assist Water Department until reservoir complete and full Dec 2005.
- Stormwater/Floodplain Ordinance		ongoing	JK	10%	Assisting Newark Departments of Public Works and Planning Department to update the stormwater and floodplain ordinance.
- Upper Christina River Floodplain Mgmt Plan		Sep 2006	JK	5%	Cooperating with USDA Natural Resources Conservation Service to update the floodplain plan first prepared with the WRA in 1993.
DRBC State of the Basin Report Card	July 2005	June 2006	MC, KV, LS, MH, AH, JK	5%	Developing draft scope of work in collaboration with DRBC, Delaware Estuary Program, Cornell, Penn State, and Rutgers.
American Water Resources Association					
- DE Section of AWRA			MC		Martha Corrozi serves as President of the DE and UD student Chapter of the AWRA.
- 2006 AWRA National Conference			MC, JK		Serve on planning committee for Nov 2006 national AWRA conference in Baltimore.
Fall 2006 IPA Water Policy Forum		Oct 2005	JL, MC, JK, KV		Formulating theme for next fall IPA Water Policy Form. Leading choice: Water Friendly Design, co-sponsor by the Longwood Program
Research					
- Imperviousness: A Performance Evaluation of a Delaware Water Resource Protection Area Ordinance		Jun 2005	MC, KV, JK	99%	Manuscript accepted for publishing in Journal of the American Water Resources Association (AWRA).
- Ethics and Water Policy in Delaware		Summer 2005	JK	90%	Manuscript under review as book chapter, Ethics and Life Sciences, University of Delaware Press.
- Estimates of Impervious Cover Statewide by the Delaware Method		Summer 2005	KV, LS, AH	20%	Research for article underway. Literature review and GIS analysis complete.
- Severity of 2002 Drought Based on Historic Mill Accounts and Tree Ring Records dating to 1730		Fall 2005	MC, KV, JK	20%	Research for article underway.
The State of the Christina Basin Using a Report Card Approach		Fall 2005	KV, MC, JK	50%	Writing draft manuscript for Water Resources Research journal