In this month’s issue, online at http://ag.udel.edu/dwrc/:

I. **DWRC NEWS**: Spotlight on 2013-14 **DWRC Undergraduate Internships**
II. **JOBS IN WATER RESOURCES**: 2013-14 **DWRC Internships** – **Mar. 22 deadline**
III. **UPCOMING WATER EVENTS**: Environmental Advocacy Workshop, DGS Symposium
IV. **WATER RESOURCES INFORMATION / TRAINING**: WC Volunteer Planting Op

---

I. **DWRC NEWS**

**Spotlight on 2013-14 DWRC Undergraduate Internships**

The average person may not give much thought to the topic of “improving nitrogen recommendations and nutrient use efficiency for irrigated corn in Delaware” but UD Department of Plant and Soil Sciences Assistant Professor and Extension Specialist Amy Shober would like a student to investigate this topic with her. If you are an undergraduate (non-senior) enrolled at an institution of higher learning in Delaware and are curious about said topic, here’s more from Dr. Shober:

“Current N fertilizer rate recommendations for Delaware were developed based on crop response to N under dry land conditions. Due to the rapid expansion of irrigated grain crop acreage in Delaware in recent years, we believe it is important to evaluate our current N fertilizer rate recommendations to reflect this change in management. The objective of this project is to determine crop response and N use efficiency in irrigated corn to N applications at varying rates. This project will be conducted at the Carvel Research and Education Center in Georgetown, DE and at two additional locations with participating growers in Sussex County, DE. The intern will assist with field work including soil and tissue sampling, population counts, and corn harvest. Lab experience will also be available related to processing of soil and tissue samples.”

Interested? E-mail ashober@udel.edu or call 302-831-2146. **Deadline: Mar. 22, 2013**

Visit [http://www.udel.edu/water/](http://www.udel.edu/water/) to learn about the activities of **UD WATER (Watershed Action Team for Ecological Restoration)**.
Friday, April 19, 2013: Free DWRC 2012-13 Undergraduate Internships research project Poster Session, part of larger session sponsored by UD Undergraduate Research Scholars Program. 2:00 – 4:30 PM., UD Trabant University Center Multipurpose Rooms A, B & C, Newark, DE. (http://maps.rdms.udel.edu/map/index.php?id=NW22)

II. JOBS IN WATER RESOURCES

Mentors / Projects Needed: 2013-14 DWRC Undergraduate Internship Program

Reminder: The application deadline of Mar. 22, 2013 is quickly approaching.

- Current project proposals:  

- Brochure and information about some of the over 100 current & past internship projects funded since 2000:  

- Current faculty advisors, application materials, report and poster requirements:  
  http://ag.udel.edu/dwrc/internships.html

Students having a 3.0 GPA or better enrolled at any Delaware institute of higher learning (except those graduating in Spring ’13) may apply through Mar. 22, 2013 for DWRC’s undergraduate internships and earn up to $3500 at the rate of $10 per hour worked. DWRC’s research and education opportunities are especially attractive to undergraduates seeking mentored experiences leading to publication and possibly a degree with distinction or senior thesis. All interns must have the active support of a mentor who matches intern earnings 2:1, usually through a commitment of time to the project. Advisors may mentor up to two students concurrently.

If you would like to mentor a deserving DWRC intern and/or propose a project of up to 350 hours to be completed by Feb. 28, 2014, contact Maria Pautler at 302-831-0847 or mpautler@udel.edu.

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

GET ENRICHED! - UD College of Agriculture and Natural Resources internships are listed at http://ag.udel.edu/academics/current/getenriched_canrinternships.html.


Visit http://denin.udel.edu/fellowships-internships for news about fellowships and internships through the Delaware Environmental Institute.

Virginia Tech has announced a cluster hire for seven new water faculty positions. Visit http://cnre.vt.edu/faculty/positions-search/index.html.
The Metropolitan Washington Council of Governments (COG) has an internship opportunity available for an undergraduate or graduate student. The job description is found at http://www.mwcog.org/resources/opportunities/detail.asp?JOB_ID=335.

**III. UPCOMING WATER CONFERENCES / EVENTS**

**Saturday, Mar. 16, 2013: Environmental Advocacy Workshop**
The UD Water Resources Agency is teaming up with Students for the Environment (S4E) to host UD's first annual Environmental Advocacy Workshop in Newark, DE. This one-day course is designed to help equip UD students with the tools needed to successfully advocate for meaningful environmental causes. Training topics that will be covered include development of initiatives, community organization, and lobbying. For more information, visit http://www.facebook.com/events/107860346062595/ or contact Student Chapter vice-president Kate Miller at millerke@udel.edu.

**Saturday, Mar. 23, 2013: Red Clay Valley Clean-up** (Kennett Square, PA to Stanton, DE)
It is the 25th anniversary! For complete details visit http://redclayvalley.org/events.html.

**Apr. 16, 2013: Delaware Geologic Research Symposium**
The Delaware Geological Survey is hosting a research symposium at the Perkins Student Center on UD’s main campus, consisting of presentations related to geologic programs and research in Delaware. This symposium will be of interest to geoscience professionals as well as planners, engineers, and others that use geologic data. Free, but pre-register at http://www.dgs.udel.edu/delaware-geologic-research-symposium.

**Apr. 16, 2013: Water Infrastructure Summit / Water for Jobs Campaign**
This free summit, which will focus on the need to reinvest in the U.S.'s water infrastructure, will be held from 10:00 AM – 12:00 PM in Washington, DC. Visit http://www.waterforjobs.org/eventsandmeetings.

**Apr. 27, 2013: UD College of Agriculture and Natural Resources 38th annual Ag Day, themed “Down to Earth,” and UD Botanic Gardens Spring Plant Sale.** Rain or shine, 10:00 AM – 4:00 PM. Visit http://ag.udel.edu/agday.

**Apr. 28-May 2, 2013: NGWA Summit**
The National and International Conference on Groundwater will be held in San Antonio, TX. Visit http://groundwatersummit.org/.

**Jun. 2013: AWRA Summer Specialty Conferences**
Nov. 3-6, 2013: ASA-CSSA-SSSA International Annual Meetings
The meeting, “Water, Food, Energy & Innovation for a Sustainable World,” will be held in Tampa, FL. Visit https://www.acsmeetings.org/.

The Delaware Section of the American Water Resources Association meeting information is found at http://www.deawra.org/meetings.

The Delaware Nutrient Management Commission (as well as other State of Delaware departments) public meeting and workshop information is found at http://www.delaware.gov/egov/calendar.nsf/

IV. WATER RESOURCES INFORMATION / TRAINING

From Kelley Dinsmore, Stormwater Program Coordinator, City of Newark (Delaware) (phone 302-366-7040, email kdinsmore@newark.de.us):

“The City of Newark Stormwater Program needs your volunteering support to help improve water quality in Jenney’s Run, a tributary to the White Clay Creek. Several stormwater detention basins, which work to control stream flooding during times of heavy rainfall, are in need of improvements. Such improvements include re-grading, removal of invasive plant species, and habitat restoration. Water quality improvements will be achieved through bioremediation, using a combination of reintroduced native plant communities and a lengthening of the flow path. More information about this project can be found on the White Clay Wild and Scenic website (http://whiteclay.org).

Volunteers are needed for the native habitat restoration portion of the basin improvements. Volunteers will be digging small holes across the bottoms of the stormwater basins and planting plugs of native wildflowers and grasses.

The event will take place at two times - **Friday, Apr. 26 from 1:00 – 4:00 PM and Saturday, Apr. 27 from 9:00 AM – 12:00 PM**. Bring comfortable clothes, gloves, and boots that you wouldn’t mind getting dirty and wet. If you own a garden trowel please bring it since there will be a limited number supplied on-site. Parking for the event will be on Cullen Way, so we request you carpool where possible and not block driveways or mailboxes. Access to the basins will be designated with signage and flagging; it is important to only use these designated access areas. The City will have personnel on hand to assist with any parking and access issues.”

There are two ways to sign up:

**The DuPont Clear into the Future Program:**
Friday, Apr. 26 - http://clearintothefuture.com/event-registration/?ee=27
Saturday, Apr. 27 - http://clearintothefuture.com/event-registration/?ee=24

**The White Clay Wild and Scenic Program:**
http://whiteclay.org/planting-opportunity-hunt-at-louviers/

As a follow on to the Nov. 28, 2012 DEAWRA symposium "Blue Shades of Green Infrastructure," the panel sessions have been posted at http://www.deawra.org/. Winners of the 2012 Water Quest Scavenger Hunt are listed there as well.


National Groundwater Awareness Week is March 10-16, 2013. For details visit http://www.ngwa.org/Events-Education/awareness/Pages/default.aspx

Every Drop Counts - Fix a Leak Week is March 18-24, 2013. For details visit http://www.epa.gov/watersense/fixaleak/index.htm.

Being that March 20, 2013 is Delaware’s Energy and Climate Lobby Day learn how to participate at Legislative Hall in Dover with the Delaware chapter of the Sierra Club at http://delaware.sierraclub.org/content/2013-lobby-day.


With lawns greening up at this time of year, remember “Healthy Lawns, Healthy Waters.” Learn/review good lawn care practices: http://www.delawarelivablelawns.org/.

For the complete and up-to-the-minute calendar of 2013 spring semester UD Plant and Soil Sciences seminars please visit http://ag.udel.edu/plsc/calendar.html.

Institutional Funding Opportunity:
National Science Foundation (in partnership with USDA NIFA)
Water Sustainability and Climate
http://www07.grants.gov/search/search.do?mode=VIEW&oppId=218756

Welcome new subscribers! Contributions, comments and questions are always appreciated. Water E-News serves citizens interested in topics on Delaware water resources and is published by the Delaware Water Resources Center, University of Delaware. Our address: 113 Townsend Hall, Newark, DE 19716-2103. Phone: 302-831-0847; fax: 302-831-0605; Web: http://ag.udel.edu/dwrc/. Dr. Tom Sims, Director, email jtsims@udel.edu; Maria Pautler, Program Coordinator, email mpautler@udel.edu. To unsubscribe, email mpautler@udel.edu with “Unsubscribe Water E-News” in the subject line.