

# PLANNING AHEAD

Notes for the Planning and Policy  
Community



US Army Corps  
of Engineers

March 2008

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## A Note from the Leader of the Planning Community of Practice

Greetings! In my remarks this month, I would like to focus on the Corps' Planning Centers of Expertise (PCXs), both from a historical perspective and with an eye towards the future and the long term sustainability of the PCXs.

Let me begin by providing a bit of historical context. In the early part of this decade the Planning Excellence Program was established by MG Robert H. Griffin, Director of Civil Works to restore planning capability in the Corps. One of the components of that program was to establish centers of expertise which would concentrate capability to provide planning support, including independent technical review, to district planning studies nationwide. The six PCXs were established in August 2003 (with the associated MSC identified):

- Inland Navigation (Great Lakes and Ohio River Division)
- Deep Draft Navigation (South Atlantic Division)
- Flood Damage Reduction (later renamed Flood Risk Management) (South Pacific Division)
- Coastal Storm Damage Reduction (North Atlantic Division)
- Ecosystem Restoration (Mississippi Valley Division)
- Water Supply and Reallocation Studies (Southwestern Division)

The objectives of these centers are to maintain a continuing evaluation of the technical state-of-the-art related to their mission area; determine problem areas and recommend new research designed to provide improved techniques; assist in disseminating pertinent information; render consulting service on specific problems as requested by various elements of the Corps; would supplement HQUSACE staff in policy compliance review on projects; and provide technical training.

More importantly, they manage the Independent Technical Review (ITR) and External Peer Reviews, as required by regulation for Corps decision documents. They certify the planning models used in the feasibility studies, through the ITR process, until the required model certifications are complete, which is also a major responsibility of the Centers.

Thus the PCXs are key to strengthening planner core competencies by assisting Project Delivery Teams with technical expertise, peer reviews, model certifications; technology transfer; planning training and providing lessons learned and best practices to the larger Planning Community of Practice.

The role of Centers was ratified with the passage of the Water Resources Development Act of 2007 (Public Law 110-114). Section 2033(e)(2) of WRDA 2007 lists the duties of centers of expertise, including providing agency peer reviews (Section 2033(e)(2)(B)) and providing support for independent peer review panels (Section 2033(e)(2)(C)) under Section 2034.

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In 2006 and again this year, MG Don Riley, Director of Civil Works wrote about the importance of supporting and ensuring the maturation of the Planning Centers of Expertise. I quote MG Riley from 2006, “The maturation of the Planning Centers of Expertise is paramount to the success of the on-going efforts to strengthen planner capability. The Centers have key roles in maintaining and strengthening planner core competencies, providing technical assistance and developing and teaching core training modules.” And just last month MG Riley wrote “The PCX’s were established as national resources and their role has become increasingly important as we emphasize capability to deliver sound water resources solutions to the Nation.” MG Riley also requested that the MSC Commander in charge of a PCX provide him a briefing focusing on the mission, staffing, oversight, and long-term plans to sustain and utilize their PCX.

To assist in the development of the long-term plans and improvements to the utilization of the Planning Centers of Expertise, the Planning Advisory Board sponsored a meeting was held in Atlanta, Georgia in February with representatives from Headquarters and personnel from the centers. Issues discussed at the meeting included Independent Technical Review, Model Certification, External Peer Review, major accomplishments of the PCXs during fiscal year 2007, and best practices of the PCXs during fiscal 2007.

Some of the major accomplishments during fiscal year 2007 identified during the meeting included the review of Peer Review Plans (PRPs), reviewing projects of national significance, involvement in major watershed studies, expanded partnering with multiple MSCs, increased partnerships with academia, increased involvement in the Research and Development program, and support of the Planners Associates program through instruction and utilization of recent PA program graduates.

Turning my attention to the upcoming Planning Community of Practice conference in San Antonio, I am excited about the overwhelming response to the call for abstracts and am looking forward to seeing so many of you in San Antonio. I also want to let you know there will be a meeting of all of the Planning Chiefs on 18 May. Information on registering for the conference and making hotel reservations follow on the next page of the newsletter.

Essays!

Theodore A. “Tab” Brown, P.E., MBA  
Acting Chief, Planning and Policy & MVD RIT Leader  
Directorate of Civil Works, HQUSACE  
U.S. Army Corps of Engineers

## WORDS FROM THE EDITOR

This month’s issue of *Planning Ahead* begins **Mr. Bruce Carlson**, Conference Chairman of the upcoming 2008 Planning Community of Practice conference providing an update on the latest information concerning the conference including registration and hotel reservations.

**Ms. Kerry Redican** of the Institute of Water Resources provides information on two workshops that will be held on Monday, May 19th in conjunction with the Planning Community of Practice conference.

**Mr. Jeff Strahan** of the Norfolk District and a member of the Planning Associates Class of 2008 provides an update on the latest activities of the Planning Associates, including a visit to New Orleans, the Engineer Research

and Development Center in Vicksburg, MS and a week long training class on deep draft navigation in Miami.

Also included in this month’s issue of the newsletter are announcements of PROSPECT training courses, employment opportunities within the Corps, upcoming conferences and recently released reports.

Thank you for your continued interest and support of *Planning Ahead*.

Ken Lichtman, Editor  
Institute for Water Resources  
[Kenneth.E.Lichtman@usace.army.mil](mailto:Kenneth.E.Lichtman@usace.army.mil)

## PLANNING CoP NEWS

**Planning Community of Practice Conference 2008:  
PLANNERS LEADING STRATEGICALLY: Developing Sound Water Resources Solutions  
May 19-22, 2008 San Antonio, Texas**  
by Bruce Carlson, Headquarters

### CONFERENCE REGISTRATION IS OPEN – REGISTER NOW!

Registration fees for the conference are being collected online. The fee for this year's conference is \$170, which helps to defray the various conference related expenses and includes daily breakfasts.

All conference participants must register and pay online in advance, so please sign up and make your payment as soon as possible. For your convenience, your credit card will not be charged for the Conference fee until April 21, 2008.

<https://www.regonline.com/builder/site/Default.aspx?eventid=177955>

### HOTEL RESERVATIONS ARE BEING ACCEPTED NOW – SECURE YOUR ROOM TODAY!

The Crowne Plaza Riverwalk Hotel has set aside a block of rooms at the special conference rate of \$140 for conference attendees. Don't delay, make your reservation today:

<http://www.ichotelsgroup.com/h/d/cp/1/en/cwshome/DPRD-78JPQL/SATPS>

Note that the government rate of \$140 exceeds normal per diem, but is within the allowed limit for conferences per the JTR. We'll provide more information about how to properly note this on your travel orders as the date gets closer.

If you prefer to make your reservation by telephone, please contact the hotel directly (rather than through the national toll-free line) at 1-210-354-2800. Be sure to register under the Corps of Engineers Conference block of rooms (code RD5) which must be specified if registering by phone.

### AGENDA IS PROGRESSING

We have received an unprecedented number of proposals for presentations at the Conference, so thanks to everyone who has submitted their ideas. The Program PDT is busy reviewing these proposals and putting together sessions. As promised, we will contact all who submitted proposals by no later than March 31, 2008 to let them know whether or not their papers have been accepted for the final program.

Watch future issues of *Planning Ahead* for more announcements on the program. And remember that the Conference web site will be updated regularly, so please visit it periodically to stay current with Conference developments:

<http://www.usace.army.mil/cw/cecw-cp/2007pres/Conference%20web%20site.htm>

## Announcement of Advance Registration for Pre-Conference Workshops

By Kerry Redican, Institute for Water Resources

In conjunction with the Planning Community of Practice Conference, there will be two workshops held on the afternoon of **Monday, May 19th**. The topic of the workshops will be collaboration and the use of collaborative tools and decision making.

A brief description of the workshops follows below. There is no fee for attending the workshops, but advanced registration is required. If you are interested in registering for either of these workshops, please contact Kerry Redican at [Kerry.M.Redican@usace.army.mil](mailto:Kerry.M.Redican@usace.army.mil) by April 18th.

### Pre-Conference Workshops May 19, 2008 1:00 - 5:00 p.m.

#### Collaboration in NEPA

Learn how to integrate more effective collaboration in the environmental planning process under the National Environmental Policy Act (NEPA), focusing on planning and design to extend guidance from the President's Council on Environmental Quality's *Handbook on Collaboration and NEPA*. The U.S. Institute for Environmental Conflict Resolution will help participants to explore when and how to incorporate collaboration into NEPA processes using appropriate and feasible collaboration techniques given specific situational opportunities and constraints. Essential skills needed to design, implement, and participate effectively in collaborative NEPA processes will be presented.

#### Collaborative Tools and Techniques to Aid in the Determination of Environmental Flow

How much water does the river need? As we look at operating reservoirs, this is a question we need to answer. Yet the answer isn't a cut and dried one – not only is there uncertainty in the science, but also it's a question that isn't solely technical. Therefore to adequately answer these types of questions water managers need to have tools and techniques to help them collaborate both with technical experts on the strictly scientific issues and with a broader set of stakeholder groups to make value-based decisions. Towards that end the Institute for Water Resources, in partnership with various partners has developed computer tools and techniques to aid in the determination of environmental flows. This workshop will talk about Shared Vision Planning, the Sustainable Rivers Program and various computer and collaborative process tools to help make that determination.

### Announcement of PIANC Conference and Call for Papers

In November 2008, PIANC USA will be hold the “**Gulf Coast Hurricane Preparedness, Response, Recovery and Rebuilding Conference**” in Mobile, Alabama. The objectives of the conference are to learn from recent hurricane experiences and challenges; to develop proactive navigation preparedness, response and recovery plans on a regional and watershed scale; to foster interagency learning, coordination, and cooperation leading to community and ecosystem resiliency; and to provide technical experience and direction for engineering and environmental challenges.

This conference is a “must attend” conference for all professionals interested in sharing knowledge and experience in post-storm ecosystem restoration and coastal infrastructure protection. Take this opportunity to share your personal insight, technical experience, and knowledge by submitting an abstract for consideration. Conference information is posted on the PIANC website, <http://www.pianc.us>

## FEATURED ARTICLES

### The Planning Associates Do Deep Draft By Jeff Strahan, Norfolk District

*The 2008 Planning Associates class was on the road again in January as part of our year long training experience. On this trip, we were afforded the opportunity to see first hand the recovery operations in New Orleans, Louisiana, visit the Engineer Research and Development Center (ERDC) and Mississippi Valley Division office both in Vicksburg, Mississippi, and had a week long training session on the subject of Deep Draft Navigation in Miami, Florida.*

Our trip began in New Orleans where we had the opportunity to see the continuing recovery operations following Hurricane Katrina. Mr. John Meador, Deputy Director of Task Force Hope, welcomed us to New Orleans. Ms. Karen Collins, a contractor with the New Orleans District, gave us a tour that brought us to the 17th Street Canal pump station and repaired levee wall, the Lower 9th Ward that suffered severe flooding, and to the Orleans Canal.



**Planning Associates with LTC Zillmer of the Hurricane Protection Office at a construction site in New Orleans**

There was widespread rebuilding. The scale of the rebuilding effort put the magnitude of the destruction into focus as we realized how much more there was still to do.

Our experience at ERDC began in the Coastal and Hydraulics Laboratory (CHL) with a welcome and ERDC overview from the installation commander, Colonel Richard Jenkins. Dr. Rose Kress then gave us an introduction to CHL. During our visit we learned about sediment management and the models that are used for it. We were able to tour the Field Data Collection Analysis Branch facilities and see some of the instruments they use. There was a physical model demonstration of a tow running up the Mississippi River to Lock and Dam 25 by Mr. Randy

McCollum. We were also able to see the ship simulator in action.



**Planning Associates in the Field Data Collection Analysis Branch facility.**

Our tour of the Geotechnical and Structures Lab allowed us the opportunity to see the Centrifuge Research Facility. Here tests are conducted to determine the ability of levees to weather a terrorist attack or a flood. Our tour continued to the Blast Load Simulator. There was a call for volunteers, but no takers.

We continued on to the Information Technology Lab. The amount of computing power in this facility was overwhelming. The graphic simulations that were created at the lab using CorpsGlobe were quite impressive. We saw simulations of New Orleans flooding from Hurricane Katrina and flood stages on a river during a storm. We also received an overview of Planning and Program Management and some of the things to look for in the future in P2 from Ms. Chenita Bennett.

The second day at ERDC we were greeted by Dr. Michael F. Passmore at the Environmental Laboratory. We had discussions through out the morning on aquatic ecosystem restoration, environmental modeling, the System Wide Water Resources Program and environmental benefits. The liveliest discussion of the morning was reserved for model certification. We gained a true appreciation of the people responsible for model certification at the Planning Centers of Expertise. Afterwards we visited the Aquatic and Wetlands Ecosystems R&D Center. Here we learned about some of the invasive species that threaten native ecosystems as well as some of the ways these species are controlled. We were also able to visit the Environmental Toxicology Research Facility and the Hazard Waste Research Center. The day was wrapped up with a planning discussion with Drs. Passmore, Richard E. Price, and David J. Tazik.

On our last day in Vicksburg we visited the Mississippi Valley Division (MVD) headquarters. Brigadier General

Robert Crear welcomed us and discussed the wide variety of civil works challenges that are present through-out MVD. Afterwards Mr. Michael Rogers and Mr. Stephen Grambel discussed the Regional Planning Initiatives in MVD and the Mississippi River Commission, respectively. Mr. Charles Shadie discussed the Mississippi River and Tributaries and just what that means for the Mississippi River Commission.



**Planning Associates with BG Robert Crear**

We were also afforded some one on one discussion time with Mr. Rayford Wilbanks and Ms. Susan Smith as we toured the building.

The next half of our adventure took us to Miami, Florida for training in deep draft navigation. Ms. Kim Otto from the Mobile District, the course owner, started off what was to be a week full of information. We learned of the importance of commodity forecasting and choosing the correct design vessel(s). We also had two panels come to speak with us during the week. One panel was made up of non-Federal interests dealing with the ports and another was made up of environmental resource agencies that we coordinate with on deep draft projects. These panels provided some candid commentary on their dealings with the Corps. One of the most important pieces of advice that both panels gave us is to make sure they are partners throughout our process. It makes for a better project if they are a part of the process rather than being involved at the end of it.

One of the highlights of the trip was the chance to go on tow boat tours of Miami Harbor and Port Everglades. We were able to see first hand the operations of the harbors and some of the environmental constraints involved with both studies. One example is the wildlife refuge where manatees graze on sea grasses adjacent to the South Port channel of Miami Harbor.

On this trip, we gained so much more than can be written here. We saw the results of a major U.S. city devastated by a powerful hurricane but on the path to recovery. We learned just how broad an impact the Corps' laboratories have on our Civil Works and Military programs. The depth

of knowledge at ERDC is far beyond what can be comprehended in a two day trip. We learned just how important our deep draft projects are to our economic and national security. We have all gained a better comprehension and appreciation of deep draft navigation and the universal planning process.



**Planning Associates on the towboat "Coastal Florida" in Miami Harbor**

The Planning Associates next stop in their learning experience will be Washington, DC where we will meet with members of the Headquarters staff, Congressional staff, other federal agencies and other stakeholders and learn about water resources planning, policy and decision making at the highest levels of the Corps and the federal government.

<b>2008 Planning Associates Itinerary</b>	
1.	<b>Orientation, Leadership, Communication, Team Building Skills (Oct–Nov 2007)</b>
2.	<b>Customized Plan Formulation (December 2007)</b>
3.	<b>Engineer and Research Development Center (ERDC) (January 2008)</b>
4.	<b>Deep Draft Navigation (January 2008)</b>
5.	Washington DC Experience (February – March)
6.	Endangered Species Act, Hydropower, Water Supply, and Recreation (April)
7.	Flood Damage Reduction (April)
8.	Watersheds/Planning Community of Practice (PCoP) Conference (May)
9.	Inland Navigation (June)
10.	Ecosystem Restoration (June)
11.	Small Boat Harbors, and Intergovernmental Affairs (July)
12.	Cultural Resources and Tribal Affairs (July)
13.	Hurricane Storm Damage (July)

\* Bolded titles indicate completed courses.

## EMPLOYMENT OPPORTUNITIES

These are but a few of the many available positions advertised on the Army's Civilian Personnel on line website:  
<http://cpol.army.mil>

### DEPARTMENT OF THE ARMY

Vacancy Announcement Number: **SCGV08587123**

**Opening Date:** February 22, 2008 **Closing Date:** March 24, 2008

**Position:** YA-2: Social Scientist (0101), Economist (0110)

**Salary:** \$44,600 - \$100,975 Annual

**Place of Work:** US Army Engineer Dist, Jacksonville, Everglades Division, Recover & System-Wide Analysis Br, Jacksonville, FL 32232

**Position Status:** This is a Permanent position. -- Full Time

**Number of Vacancy:** 01

**NSPS Position:** This position is covered by the National Security Personnel System. For more information on NSPS, please visit the website at <http://www.cpms.osd.mil/nsps/index.html>.

**Duties:** Serves as the District's primary point of contact for assigned projects and represents the District Commander in matters related to the Comprehensive Everglades Restoration Plan (CERP). Provides expert program management of high dollar value/high scientific complexity of national priority, of environmental sensitivity, of extraordinary urgency or similar requirements. Plans, programs and oversees cost and schedule execution of the planning, design and construction/execution of program in coordination with functional chiefs and/or RLG team members to assure the projects/efforts are completed within guidelines and objectives. Ensures frequent, clear, open communication occurs among PDT/RECOVER team and other stakeholders on project progress, issues and resolutions, and impacts to project budget and schedule. Resolves highly difficult technical and administrative project problems, obtaining Project Review Board or supervisory approval as required.

### DEPARTMENT OF THE ARMY

Vacancy Announcement Number: **WTKC08574114**

**Opening Date:** February 27, 2008 **Closing Date:** March 31, 2008

**Position:** YX-2: Social Sciences Study Manager (0101), Biological Sciences Study Manager (0401), Landscape Architect (0807), Civil Engineer (0810), Physical Scientist (1301)

**Salary:** \$47,386 - \$107,283 Annual

**Place of Work:** US Army Engineer District, Sacramento Planning Division, Sacramento, California  
(Includes 20.25% Local Market Supplement)

**Position Status:** This is a Permanent position. -- Full Time

**Number of Vacancy:** 1

**NSPS Position:** This position is covered by the National Security Personnel System. For more information on NSPS, please visit the website at <http://www.cpms.osd.mil/nsps/index.html>.

**Duties:** You would serve as a planning study manager for one or more major water resource related projects. You would manage and conduct water and related land resource studies, review project authorization and evaluate community needs and water resource problem areas determining the scope of effort for the study and establish study methods and approaches. You would formulate and analyze major civil works water and related land resource projects, provide formulation direction through scoping and written guidance as well as lead study team meetings. You would analyze input from team members including hydraulic, hydrologic, design, geotechnical, cost engineering as well as biological and archeological and other disciplines. You would develop pre-project and post-project conditions that are expected to prevail during the 50 year futures. You would resolve conflicts of interests between planners and special interest groups and prepare study conclusions and recommend plans for authorization.

### DEPARTMENT OF THE ARMY

Vacancy Announcement Number: **NEGA07309550R**

**Opening Date:** March 03, 2008 **Closing Date:** March 21, 2008

**Position:** GS-9/11: Water Resources Planner (0101), Economist (0110), Geographer (0150), Biologist (0401), Civil Engineer (0810), Environmental Engineer (0819), Physical Scientist (1301), Hydrologist (1315), Geologist (1350), Oceanographer (1360)

**Salary:** \$47,810 - \$75,199 Annual

**Place of Work:** US Army Corps of Engineers-Philadelphia, Planning Division, Project Development Br, DUTY LOCATION: Philadelphia, PA

**Position Status:** This is a Permanent position. -- Full Time

**Number of Vacancy:** 2

**Duties:** As a project leader, for conventional assignments coordinates and conducts research necessary to develop factual data and

statistics concerning the physical, social, environmental and economic aspects for a wide geographical area which includes most of Delaware, Eastern Pennsylvania, Western and Southern New Jersey, a portion of Northeastern Maryland at the Chesapeake and Delaware Canal and several counties in New York. Independently performs work consisting of fact finding, analysis, and interpretation of basic information and trends and projecting these facts into comprehensive plans, programs or recommendations to meet present and future water resource needs (e.g., water supply, recreation, flood control, and coastal shore protection). Conducts public meetings for assigned areas with affected public, other Federal and non-Federal agencies, and with other staff including those of congressional, state, and local representatives.

#### **DEPARTMENT OF THE ARMY**

Vacancy Announcement Number: **WTHG08578759**

**Opening Date:** March 03, 2008 **Closing Date:** April 01, 2008

**Position:** YF-2: SUPERVISORY FISHERY BIOLOGY(0482), SUPERVISORY GENERAL BIOLOGICAL SCIENCE(0401), SUPERVISORY WILDLIFE BIOLOGY(0486), SUPERVISORY ARCHAEOLOGY(0193), SUPERVISORY LANDSCAPE ARCHITECTURE(0807), SUPERVISORY FORESTRY(0460)

**Salary:** \$64,678 - \$125,280 Annual

**Place of Work:** U.S. Army Engineering District, Planning, Programs and Project Mgmt Division, Planning Br, Environmental Analysis Section, Walla Walla, Washington

**Position Status:** This is a Permanent position. -- Full Time

**Number of Vacancy:** 1

**Duties:** Serve as Chief, Environmental Planning Branch. Is responsible for Reconnaissance and Feasibility Studies and Reports for Special Studies that are not characterized by typical planning authorities. Manage environmental restoration and other studies developed by Support for Others Program. Also responsible for Dredge Material Management Plan preparation. Activities include economic studies economic evaluations of power, navigation, flood control, water quality, and other benefits, detrimental effects and impacts, field investigations, development of project plans and cost estimates, evaluation of accomplishments and benefits, development of and participation in public involvement programs, and preparation of reports including annual power data reports. Prepares scopes of work (SOW), reviews research designs submitted by contractors, monitors data collection, monitors progress and adherence to SOW, and reviews submitted research reports for technical adequacy.

#### **DEPARTMENT OF THE ARMY**

Vacancy Announcement Number: **SCGV08558331-1**

**Opening Date:** February 29, 2008 **Closing Date:** March 13, 2008

**Position:** YA-2: Community Planner (0020), Economist (0110)

**Salary:** \$45,039 - \$74,384 Annual

**Place of Work:** US Army Engineer Dist, Jacksonville, Planning Division, Plan Formulation Branch, Coastal/Navigation Sec, Jacksonville, FL 32232

**Position Status:** This is a Permanent position. -- Full Time

**Number of Vacancy:** 01

**NSPS Position:** This position is covered by the National Security Personnel System. For more information on NSPS, please visit the website at <http://www.cpms.osd.mil/nsps/index.html>.

**Duties:** Serves as technical leader of a multi-disciplinary team engaged in planning civil works water resources projects. Formulates solutions & guides the determination of socio-economic, engineering, & environmental impacts & benefits of water resources alternatives. Coordinates preparation of reconnaissance/feasibility reports for various programs & technical assistance studies. Plans the study & determines team member disciplines & defines scope of study for which may include civil, hydraulic, environmental engineers; ecologists; biologists; economists; landscape architects, real estate specialists; hydrologists. Develops methodologies & policies for the formulation & evaluation of ecosystem restoration, flood control, shore protection & navigation projects. Conducts field investigations, collects technical data, observes field conditions, & studies effect of conditions on the water resources problems & formulates alternative plans to be investigated.



## TRAINING COURSES

Upcoming PROSPECT training courses of interest to the members of the Planning CoP include:

### **NONSTRUCTURAL MEASURES FOR FLOOD RISK MANAGEMENT Control Number 345**

March 31-April 4, 2008

Omaha, NE

Course Description: This course will provide participants with the overall ability to realize opportunities with nonstructural measures, to formulate nonstructural measures, and to implement nonstructural measures. This course will touch on the Corps flood risk management mission and the relationship of this mission to the *Actions for Change*, the *Civil Works Strategic Plan*, the *Environmental Operating Principles*, watershed/systems planning, etc. in order for the participant to fully understand the significant role of nonstructural measures.

This course will make the participant very familiar with the basic nonstructural measures such as elevation; dry flood proofing; wet flood proofing; small berms, levees, and walls; relocation; acquisition; and flood warning/preparedness. Students will understand where each of the basic nonstructural measures work best and how nonstructural measures compare with structural measures across a variety of parameters. The importance and relevance of the National Flood Insurance Program to flood risk management will be explained. Laws, policies, statutes, executive orders, etc will be covered that relate directly to nonstructural measure formulation and implementation. The host of opportunities that exist with implementing nonstructural measures will be explored in terms of accomplishing multiple objectives, partnering and collaboration, sustainability, and achieving long term flood risk reduction/management. The participant will be shown how to conduct nonstructural benefit analysis and how to formulate nonstructural alternatives. A field trip will be included to actually see nonstructural measures that have been implemented. The overall course will include examples of formulated projects in order to provide a better understanding of course concepts. To solidify the importance of nonstructural measures to reduce flood risk, the course will conclude with a visionary look to the Year 2050 in terms of what experts in the field of flood risk management feel must be accomplished for this Nation to truly minimize flood risk. The overall goal of this course is to enable the participants to return home with a high comfort level in their ability to lead and/or assist in formulating and implementing nonstructural measures.

Openings currently exist for this course. The course control number remains 345. If you are interested in learning more about Course number 345 “**Nonstructural Measures for Flood Risk Management**”, please contact the USACE Learning Center at the <http://pdsc.usace.army.mil/Default.aspx> for more information on this training opportunity. (Please note that the course title given for course control number 345 at the USACE Learning Center site is “Flood Warning Preparedness Program.” The course has been renamed as “Nonstructural Measures for Flood Risk Management.” The course description given above reflects the current course description.)

To attend this course or to receive additional information about other PROSPECT training courses, please contact the USACE Learning Center at <http://pdsc.usace.army.mil>.

## CONFERENCES

### **TRB Workshop “Data for Goods Movement Impacts on Air Quality”**

March 17-18, 2008

Irvine, CA

Additional information: <http://guest.cvent.com/EVENTS/Info/Summary.aspx?e=a38d3dae-633d-4155-9ca0-f83eda78ee9e>

### **AWRA 2008 Spring Specialty Conference “GIS and Water Resources V”**

March 17-19, 2008

San Mateo, CA

Additional information: [http://www.awra.org/meetings/San\\_Mateo2008/](http://www.awra.org/meetings/San_Mateo2008/)

### **Texas Water ‘08**

March 25-28, 2008

San Antonio, TX

Additional information: <http://www.texas-water.com/>

### **Disaster Risk Management in an Age of Climate Change (National Academy of Sciences Roundtable Workshop 22)**

April 3, 2008

Washington, DC

Additional information: <http://dels.nas.edu/dr/f22.shtml>

### **EPA Regional Wetlands and Watershed Conference**

April 7-11, 2008

Kansas City, MO

Additional information: <http://www.08wetlandswatershed.com/>

### **Solutions to Coastal Disasters Conference**

April 13-16, 2008

Oahu, Hawaii

Additional information: <http://content.asce.org/conferences/cd2008/index.html>

### **Integrated Watershed Management: Reducing Nonpoint Source Pollution**

May 5-7, 2008

San Diego, CA

Additional information: <http://www.waterboards.ca.gov/nps/conference2008.html>

### **4<sup>th</sup> International Symposium on Flood Defense**

May 6-8, 2008

Toronto, Canada

Additional information: <http://www.flood2008.org/flood/>

### **Association of Flood Plain Managers 2008 Annual Conference**

May 18-23, 2008

Reno-Sparks, NV

Additional information: <http://www.floods.org/Conferences,%20Calendar/Reno-Sparks.asp>

### **National Environmental Conflict Resolution Conference**

May 20-22, 2008

Tucson, AZ

Additional information: <http://www.ecr.gov/ecr.asp?link=607>

### **Transportation Research Board Summer Conference**

June 15-18, 2008

Baltimore, MD

Additional information: <http://www.trb.org/conferences/2008/Summer/announce.pdf>

### **20<sup>th</sup> Salt Water Intrusion Meeting**

June 23-27, 2008

Naples, FL

Additional information: <http://conference.ifas.ufl.edu/SWIM/>

### **Riparian Ecosystems and Buffers: Working at the Water’s Edge**

June 30 – July 2, 2008

Virginia Beach, VA

Additional information: [http://www.awra.org/meetings/Virginia\\_Beach2008/](http://www.awra.org/meetings/Virginia_Beach2008/)

### **International Conference on Water Scarcity, Global Changes, and Groundwater Management Responses**

December 1-6, 2008

Irvine, CA

Additional information: <http://www.uwrc.uci.edu/documents/SCARCE-WATER-BROCHURE-Final.pdf>



## PUBLICATIONS

**The following is a list of recently published reports, studies, or articles prepared by the Corps of Engineers, other Federal agencies, or other research organizations:**

“A Strategy for Federal Science and Technology to Support Water Availability and Quality in the United States” prepared by the National Science and Technology Council, Committee on Environment and Natural Resources, Subcommittee on Water Availability and Quality September 2007, available at:

<http://www.ostp.gov/galleries/NSTC/Fed%20ST%20Strategy%20for%20Water%2009-07%20FINAL.pdf>

“A Modal Comparison of Domestic Freight Transportation Effects on the General Public” prepared by the Center for Ports and Waterways at the Texas Transportation Institute, November 2007, available at:

<http://www.nationalwaterwaysfoundation.org/study/public%20study.pdf>

The Coast Guard Proceedings of the Marine Safety and Security Council, Winter 2007-08, available at:

[http://www.uscg.mil/proceedings/current\\_issue.pdf](http://www.uscg.mil/proceedings/current_issue.pdf)

“National Flood Insurance Program: Greater Transparency and Oversight of Wind and Flood Damage Determinations are Needed”, prepared by the Government Accountability Office, December 2007, Report number GAO-08-28, available at: <http://www.gao.gov/new.items/d0828.pdf>

“Transportation Vision for 2030” prepared by the U.S. Department of Transportation, Research and Innovative Technology Administration, January 2008, available at:

[http://www.rita.dot.gov/publications/transportation\\_vision\\_2030/pdf/entire.pdf](http://www.rita.dot.gov/publications/transportation_vision_2030/pdf/entire.pdf)

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