

# PLANNING AHEAD

Notes for the Planning and Policy  
Community



US Army Corps  
of Engineers

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

### PLANNERS: BUILDING STRONG, BUILDING SMART

In my remarks this month I would like to focus on three areas (1) the performance of the Hurricane and Storm Damage Risk Reduction System (HSDRRS) in New Orleans following the landfall of Hurricane Gustav on September 1<sup>st</sup> (at press time the assessments and mission assignments from Hurricane Ike were still underway); (2) the application of “Building Strong” and, if I might introduce a new term into the Corps lexicon “Building Smart” and the concurrent need to maintain technical competency within the Corps, and (3) using a sports analogy, “Building the Bench.”

With respect to the performance of the HSDRRS during Hurricane Gustav, Gustav made landfall on Monday, September 1<sup>st</sup> along the Louisiana coastline, some 70 miles southwest of New Orleans, as a Category 2 hurricane. Corps leaders (including Chief of Engineers, Lt. General Robert Van Antwerp, who traveled to New Orleans prior to the storm) and personnel from the New Orleans District as well as personnel from other district offices within the Mississippi Valley Division (MVD), the Engineering Research and Development Center (ERDC), and Corps Headquarters worked together to analyze, plan, monitor and carry out actions necessary to defend against Hurricane Gustav.

The Corps’ immediate attention was directed at monitoring the effects of the hurricane as it moved across Louisiana. Gustav tested the HSDRRS, three years before the system was scheduled to be built to the 100-year level of protection. The good news is that the HSDRRS operated as designed! Based on predictive data provided by ERDC concerning the timing of storm surges and water levels, MVD Division Commander, BG Michael Walsh gave the order to close the floodgates at two of the outfall canals to cut off the surge from Lake Pontchartrain. The closure gates operated as designed. With the gates lowered, pumping operations began to lower the water level in the canals. This allowed the New Orleans Sewerage and Water Board to operate their pumping stations to remove rainwater from the city’s interior.

Hurricane Gustav pushed a storm surge of about 12 feet into the Industrial Harbor Navigation Canal (IHNC). During the day, water splashed over the IHNC West Floodwall. The IHNC West Floodwall, an I-wall that remained intact during Hurricane Katrina, has been buttressed, armored, and improved since Hurricane Katrina. Wind driven water sloshed over the canal, causing some minor flooding in the Lower Ninth Ward, but the floodwall held. Many of you probably saw news footage of this splashing on the news coverage and should know that as part of the HSDRRS the back side of floodwalls has been constructed with “splash pads”, which prevents the erosion of the surrounding material, if any water splashes over the wall. In other parts of the HSDRRS, I-walls have been replaced with T-walls and they performed admirably during Gustav!

One of the most notable accomplishments of the Gustav response was the integration of federal, state and local resources to the benefit of the affected population. This

integration demonstrated just how far we have come in communicating flood risk and working together since Hurricanes Rita and Katrina. Great work by all involved! I can only imagine how many more times this integration will be tested during the hurricane season, but I feel confident in our capabilities to respond proactively and appropriately!

I have been at headquarters for almost 8 years now, and I continue to learn something about how we plan and formulate Civil Work projects everyday. I rarely come across a situation in which it is only our planning process that contributes to the problems at hand. More often, it is because we have not taken the time to reach out to a wider audience to strengthen our proposals. In this regard, I think we need to work together, as a community, to put forth projects that are built smart and built strong! I challenge each of you to broaden your study teams to include the perspectives of others.

With respect to the topic of “building the bench”, it is a rare week at Headquarters that I do not receive an email or two saying that someone is retiring after many years of service to the Corps and the nation. You probably receive many of those same types of messages yourself. While we are all saddened to see colleagues and friends leave the Corps, their departure means that there are new opportunities for growth and development, including developmental assignments. I encourage everyone to celebrate the accomplishments of those retiring and at the same time capitalize on opportunities for personal and professional growth afforded by such retirements. Opportunities are plentiful, so keep your eyes open for the right one for you!

In closing I want to extend congratulations to the 2008 graduating class of Planning Associates: Candida Bronson, Mike Dietl, Adam Fox, Anthony Friona, Miki Fujitsubo, Miriam Gilmer, John Peukert, Ronald Pinzon, Jeff Strahan, Bret Walters, and Gregg Williams. At the same time I would like to take this opportunity to welcome the 2009 class of Planning Associates: Cynthia Boen (Walla Walla District), Timothy Fleegeer (Omaha District), Jodie Foster (Fort Worth District), Terri Jordan (Jacksonville District), Jeremy LaDart (Mobile District), Jeffery Lin (ERDC), Stephen O’Leary (Huntington District), Lisa Rabbe (Alaska District), Judy Sheen (San Francisco District), Aaron Snyder (St Paul District), Saji Varghese (New England District), and Jacob Walsdorf (Galveston District).

Robyn Colosimo, P.E.  
Acting Chief, Planning and Policy Division, Planning CoP, MVD RIT  
Directorate of Civil Works, HQUSACE  
U.S. Army Corps of Engineers

## WORDS FROM THE EDITOR

This month’s issue of *Planning Ahead* begins with an article by **Ms. Camie Knollenberg** who reports that the results of the five Congressionally mandated watershed studies were presented the Corps leadership in early September. Thorough the conduct of the studies there were many positive results including establishing a means to bring together stakeholder groups resulting in improved communication, the sharing of information, learning of each groups capabilities, leveraging of resources, and better coordination.

**Mr. Bruce Carlson** reports on a number of actions on planning guidance, including Engineer Circular 1105-2-410 (Review of Decision Documents); policy guidance on the certification of Ecosystem Output Models; Engineer Circular 1105-2-407 (Update and Model Certification HQ Panel); and, Engineer Circular 1105-2-208 (In-Kind Contribution Provisions of Section 221).

PIANC, the Association of International Navigation Congresses, has established two working groups to address “Design Principles for Container Terminals in Small and Medium Ports” and “Recommendations for Sustainable Maritime Navigation.” Individuals interested in participating on those work groups should contact **Kelly Barnes**.

**Dr. Jerome Delli Priscoli** of the Institute for Water Resources and **Dr. Aaron Wolf** of Oregon State University have co-edited a new book, “*Managing and Transforming Water Conflicts*.”

**Mr. Bret Walters** of the Alaska District and a member of the Planning Associate Class of 2008 reports on the Planning Associates travels to Hawaii to learn about Small Boat Harbors, Intergovernmental Affairs, and Cultural Resources and Tribal Affairs.

Other items of interest to readers of *Planning Ahead* include a listing of employment opportunities around the Corps, announcements of conferences, including the **3rd National Conference on Ecosystem Restoration** to be held in Los Angeles July 20-24, 2009, training courses and workshops, and a listing of recent publications that may be of interest to Corps planners as well as other water resources professionals.

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

Ken Lichtman, Editor  
Institute for Water Resources  
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## PLANNING CoP NEWS

### Watershed Planning “Pilot Studies” Completed – Presentations Available on the Web

By Camie Knollenberg, Rock Island District

Final presentations for the five watershed planning pilot studies were made in a briefing to the Assistant Secretary of the Army (Civil Works) John Paul Woodley, Jr. and to HQ Civil Works senior leaders on 03 September 2008. Study managers for each of the studies (Middle Mississippi River Corridor Study, Great Lakes Habitat Initiative, Virgin River Watershed Study, Western States Watershed Study, and the Delaware River Basin Study) discussed study results, products and tools produced, lessons learned, and collaborative efforts of each study. Additionally, stakeholders representing the study basins were present and provided their perspectives on the studies, the future use of products, and the importance of the Corps leadership role in each of the watershed studies.

The presentations and final reports can be found on the Planning CoP website at [http://www.usace.army.mil/cw/ccw-cp/news/watershed\\_06.html](http://www.usace.army.mil/cw/ccw-cp/news/watershed_06.html)

Provisions of these two-year studies were provided by the Energy and Water Development Appropriations Act, 2006 (PL 109-103) which directed the Secretary to conduct at full federal expense comprehensive analyses that examine multi-jurisdictional use and management of water resources on a watershed or regional scale. Funds of \$4.45 million were provided in the General Expense account.

The response to the presentations from senior leaders was overwhelmingly positive. The take-away points as

summarized by Planning Community of Practice Deputy Harry Kitch are:

- 
- The studies all involved partnerships with pre-existing organizations, which allowed these efforts to further build on regional collaboration within the watersheds.
- Communication prior to the efforts was frequently cited as poor.
- There were substantial benefits to establishing a forum and bringing stakeholder groups together such as: improved communication, sharing of information, learning each other’s capabilities, leveraging of resources, and better coordination.
- This is a slow process. Sound planning and collaboration takes time.
- Local groups valued the Corps’ expertise.
- USACE needs to figure out how to continue participating, either in the lead or in keeping a seat at the table.

Secretary Woodley stated that he had envisioned these pilot studies as “proof of concept” exercises, and that he was proud to say that we have proved this concept. He sees the Corps as a convener in watershed collaboration and cites its unique capability to perform at the watershed scale with disparate stakeholders. He emphasized that the Corps plays an important role as a decision support agency, developing and assessing alternatives so that everyone can have a common picture of what the alternatives are, and how they stack up. Having proved the concept of what we need in water resources management, Mr. Woodley stated that he will try to institutionalize this approach. He has encouraged the Corps to find ways to execute similar efforts in the future.

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### Update on USACE Planning Guidance

By Bruce Carlson, USACE, Headquarters, Office of Water Project Review

#### EC 1105-2-410: Review of Decision Documents

##### Background

USACE implemented a comprehensive peer review process in May of 2005 with the publication of [EC 1105-2-408](#) “Peer Review of Decision Documents” that established a thoughtful, balanced peer review process. That EC adopted most of the [National Research Council’s](#) recommendations and implemented the [Office of Management Budget](#) (OMB) guidelines on peer review. It required that peer review approaches be customized for each effort. Depending on the particular circumstances, reviews were to be conducted entirely within USACE, entirely by external panels, or in various combinations.

Provisions in the Water Resources Development Act of 2007 ([Sections 2034 and 2035](#)) reinforce and add further definition to

the USACE review processes. EC 1105-2-410 (dated 22 August 2008), in addition to implementing Section 2034 of WRDA 2007, is the first in a series of revisions to USACE guidance to institute a comprehensive life-cycle review strategy for Civil Works products. It will be followed by additional guidance that will ultimately result in seamless guidance for peer review of all Civil Works projects from initial planning through design, construction, sponsor Operation, Maintenance, Repair, Replacement and Rehabilitation (OMRRR). USACE is adopting and will continue to strengthen this more open and vigorous peer review process.

A signed, pre-publication version of the EC (awaiting final edits and formatting) is posted at: [http://www.usace.army.mil/cw/cecw-cp/news/ec\\_1105-2-410.pdf](http://www.usace.army.mil/cw/cecw-cp/news/ec_1105-2-410.pdf)

## Highlights

Some key changes in the new guidance for the review of decision documents include:

- 1) New descriptors for review types. The word “independent” generally connotes review conducted outside of USACE, so this has required a change of names for the types of review conducted.
  - o Reviews managed outside USACE will be known as Independent External Peer Review (IEPR);
  - o Reviews managed within USACE will be known as Agency Technical Review (ATR);
  - o Basic quality checks within a district will be known as District Quality Control (DQC).
- 2) Expanded scope.
  - o This EC applies to all feasibility studies (including those prepared by local sponsors), reevaluation studies, and reports associated with modifications to a project that require an EIS.
  - o Furthermore, all studies addressing flooding or storm damage reduction must consider safety assurance factors and prepare to undertake a safety assurance review during design and construction.
- 3) Greater emphasis on independence. IEPR panels will be managed by eligible non-profit scientific institutions that are free of conflict of interest; ATR will be conducted outside the home district, and lead outside the home MSC.
- 4) New triggers and management/reporting requirements for IEPR. For example, projects over \$45 million, all projects with an EIS, projects involving life safety concerns, cases where a Governor requests IEPR, and other circumstances will require IEPR.
- 5) Cost sharing provisions. IEPR panels for project studies shall be a Federal expense, with cost generally not to exceed \$500,000.
- 6) Strengthened Review Plans. Review Plans must be detailed enough to assess the necessary level and focus of review – which parts of the study will likely be challenging, which models and data are proposed, model certification needs, etc.
- 7) Clarified roles and responsibilities for Districts, MSC’s, PCX’s and HQ.
- 8) IEPR Panels will be represented at the Civil Works Review Board.

## Implementation

EC 1105-2-410 went into effect August 22, 2008. The PCoP is working on a “rollout” plan with the MSCs to present the content of the circular in greater depth, and to field questions. Frequently Asked Questions (FAQ) will be posted on the Planning CoP website as they arise.

## **Policy Guidance on Certification of Ecosystem Output Models**

On August 13, 2008 the Director of Civil Works issued a memorandum establishing additional policy and procedures regarding the certification requirements for ecosystem output models used in all planning activities. The memorandum is posted at: [http://www.usace.army.mil/cw/cecw-cp/news/eco\\_models.pdf](http://www.usace.army.mil/cw/cecw-cp/news/eco_models.pdf)

These additions and clarifications are based in large part on recommendations from the Ecosystem Planning Center of Expertise (ECO-PCX) White Paper and are presented with respect to each of the 18 recommendations in that document. The White Paper has been extensively coordinated among the Major Subordinate Commands (MSCs) and with HQUSACE and its recommendations are adopted with the annotations specified in the memorandum.

Key areas of the new policy include:

- The importance, use and review of conceptual models,
- Approval of a list of standard methodological approaches,
- Conditions for the approval of US Fish and Wildlife Services (USFWS) Habitat Suitability Index (HSI) models,
- Conditions for approval of existing ecosystem output models that are documented and tested to the level required by EC 1105-2-407,
- Conditions under which the assessment of ecosystem output models will be managed by USACE or by an outside eligible organization (OEO)

A major implication of the policy changes enacted in this memorandum is that many ecosystem output models (those not expected to be used on multiple studies) will be assessed and documented through technical review (ATR and IEPR where called for) rather than through a separate model certification process. This means that technical review will necessarily become much more intensive, since the basic requirements of the Model Certification Protocols which require documentation of technical and system quality must still be met. Certification will be pursued for USACE ecosystem output models that are expected to be used in multiple studies to build a toolbox of models that have more general application.

The White Paper and memorandum also discuss a number of areas for improving the effectiveness of the ECO-PCX to process model certification requests and initiatives for improved model development. The memorandum emphasizes the importance of having proposed approaches to ecosystem output modeling addressed in the study Review Plan as well at the Feasibility Scoping Meeting. The importance of early coordination with the ECO-PCX and vertical team cannot be overstated.

### **EC 1105-2-407 Update and Model Certification HQ Panel**

As a reminder, requirements for certifying and documenting the quality of planning models have been issued in EC 1105-2-407 “Planning Models Improvement Program: Model Certification” and remain in effect, as do the interim procedures for model certification. Both documents are listed on the PCoP website for models: <http://www.usace.army.mil/cw/cecw-cp/models/models.html>

In November 2007, the Planning CoP established a Model Certification HQ Panel to serve in a deliberative role to support the Planning CoP in its decisions associated with model certification. The panel consists of: Harry Kitch (HQ Planning CoP); Cliff Fitzsimmons, Mark Matusiak and Bruce Carlson (HQ Office of Water Project Review); Rich Worthington (HQ Planning & Policy); Dave Pezza (HQ Engineering); and Lillian Almodovar and Dave Moser (Institute for Water Resources).

### **EC 1165-2-208: In-Kind Contribution Provisions of Section 221**

EC 1165-2-208 addresses Section 221 of the Flood Control Act of 1970, as amended by Section 2003 of WRDA 2007 which provides a general authority to afford credit toward the non-Federal share of the costs of a project, or separable element of a project, for the value of in-kind contributions provided or performed before or after execution of the applicable cost sharing agreement. EC 1165-2-208 provides guidance on applying the in-kind contribution provisions of Section 221, as amended. It was signed and went into effect June 6, 2008. A pre-publication version of the EC is posted at: [http://www.usace.army.mil/cw/cecw-cp/news/ec\\_1165-2-208.pdf](http://www.usace.army.mil/cw/cecw-cp/news/ec_1165-2-208.pdf)

## PIANC Establishes Two New Working Groups

PIANC, the International Navigation Association, has established two new working groups, numbers 135 and 136, to investigate issues of interest to the international navigation community, Working Group 135 (MarCom) entitled “Design Principles for Container Terminals in Small and Medium Ports” and Working Group 136 (EnviCom) “Recommendations for Sustainable Maritime Navigation.” Individuals interested in learning more about these working groups and/or who would like to submit their CV for consideration to join either of these working groups are directed to the letters establishing these working groups and terms of reference. The deadline for submitting CVs to PIANC are September 30, 2008 for those interested in joining Working Group 135 and October 22, 2008 for those interested in joining Working Group 136.

Working Group 135 (MarCom) “Design Principles for Container Terminals in Small and Medium Ports” – Letter establishing working group: <http://www.pianc-aipcn.org/docs02/news/letterwg135e.pdf>

Working Group 135 (MarCom) Terms of reference: [http://www.wsv.de/pianc/aktuelles/pianc\\_wg/pdfs/MarComWORKING\\_GROUP\\_135.pdf](http://www.wsv.de/pianc/aktuelles/pianc_wg/pdfs/MarComWORKING_GROUP_135.pdf)

Working Group 136 (EnviCom) “Recommendations for Sustainable Maritime Navigation.”- Letter establishing working group: <http://www.pianc-aipcn.org/docs02/news/wg136lettere.pdf>

Working Group 136 (EnviCom) Terms of Reference: <http://www.pianc-aipcn.org/docs02/news/tor136e.pdf>

For additional information regarding these working groups or other PIANC activities please contact Kelly Barnes at [Kelly.J.Barnes@usace.army.mil](mailto:Kelly.J.Barnes@usace.army.mil).

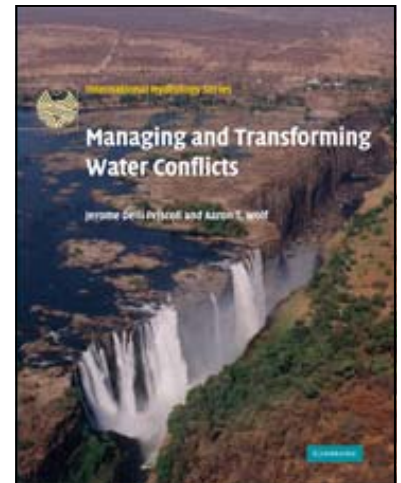
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## IWR Staff Member Co-Edits New Book on Managing and Transforming Water Conflicts

Dr. Jerome Delli Priscoli, Senior Water Policy Advisor, Institute for Water Resources and Dr. Aaron T. Wolf, Department of Geosciences, Oregon State University have co-edited a new book entitled “[\*Managing and Transforming Water Conflicts\*](#)”, published by Cambridge University Press.

The book investigates the dynamics of water conflict and conflict resolution, from the local to the international. They explore the links between the three facets of conflict management and transformation: Alternative Dispute Resolution, public participation, and institutional capacity.

Where water crosses boundaries—be they economic, legal, political or cultural—the stage is set for disputes between different users trying to safeguard access to a vital resource, while protecting the natural environment. Without strategies to anticipate, address, and mediate between competing users, intractable water conflicts are likely to become more frequent, more intense, and more disruptive around the world. This practical guide will be invaluable to water management professionals, as well as researchers and students in engineering, economics, geography, geology, and political science who are involved in any aspects of water management.



# Announcement of NCER Conference



The Spirit of Cooperation



JULY 20-24, 2009 | LOS ANGELES, CALIFORNIA • USA | WESTIN BONAVENTURE



## MARK YOUR CALENDAR

Mark your calendar and make plans to attend the 3rd National Conference on Ecosystem Restoration (NCER) 2009. Held in **Los Angeles July 20-24, 2009**, a West Coast location spotlights ecosystem restoration challenges and successes of the region as well as building on the knowledge base provided by previous NCER's.

## WHY YOU SHOULD ATTEND

NCER '09 will help you expand your knowledge, share your experience and network with colleagues from across various disciplines such as engineering, science, economics and the social sciences. This is an excellent opportunity to increase your "toolbox" with cutting edge science, modeling and data management tools. Join us and participate in the ecosystem restoration discussion on:

- Effective partnering to integrate planning, policy, science and engineering to provide effective, relevant and timely solutions
- Combining state-of-the-art approaches, technology, tools and information to solve problems and achieve environmental sustainability
- Ensuring the continuity and completion of large-scale, multiple year projects that involve multiple government agencies, non-government organizations, tribal governments and other partners
- Setting goals and objectives
- Defining success

## CALL FOR SPECIAL SESSION PROPOSALS

The NCER Program Committee is responsible for developing sessions such that each presentation not only relates to the session theme but complements other presentations in that session. The Program Committee will solicit abstracts and use these submissions to build unified sessions. NCER '09 would also like to invite members of the ecosystem restoration community to assist with program development by proposing and organizing special sessions. As a session organizer, you would be responsible for full management of speakers scheduled in your session, including: issuing the invitation for them to speak, communicating instructions to them regarding their participation and making sure they submit an abstract in conjunction with their presentation. **Special Session Proposals are due October 3, 2008.** To submit a proposal: [www.conference.ifas.ufl.edu/NCER2009/session\\_proposals.html](http://www.conference.ifas.ufl.edu/NCER2009/session_proposals.html)

## CONFERENCE PURPOSE & WHO SHOULD ATTEND

The purpose of NCER 09 is to bring together scientists and engineers, policy makers, planners and partners who are actively involved in or affected by all aspects of ecosystem restoration regardless of project or program size and provide an interactive forum to share their experiences and research results concerning large-scale ecosystem restoration on both national and international levels.

Conference participants will also have the opportunity to learn about both large-scale and small local ecosystem restoration efforts and what their colleagues working at these levels have learned, what factors contributed to success, and how barriers and obstacles were overcome.

NCER 09 will explore the roles of policy, planning and science in establishing goals and performance expectations for achieving successful and sustainable ecosystem restoration. We will also look at the importance of considering ecosystem services in restoration benefit:cost discussions. Successful partnerships and means to leverage resources will be important themes that run through this conference.

Previous NCERs established a forum for individuals engaged in all aspects of ecosystem restoration to exchange information and experiences. This and future NCERs will continue this tradition by being the leading National conference for interdisciplinary exchanges for sustainable restoration of ecosystems.

## PROGRAM THEMES

The primary focus of NCER 09 is to share lessons-learned from the conduct of large-scale ecosystem restoration programs both in the U.S. and internationally. Technical sessions will focus on six primary themes:

1. Ecosystem Restoration at the Watershed Scale
2. New Planning Approaches to Achieve Ecosystem Restoration
3. Science and Engineering Integration
4. Linking Monitoring Results with Management Decision-making
5. Urban Ecosystem Restoration
6. Ecosystem Goods and Services

Online abstract submission officially opens October 15.

In the meantime, we encourage you to begin preparations now to develop an abstract for presentation at NCER 2009. NCER 2009 will feature numerous opportunities to share and exchange information via platform and poster presentations around the Program Themes listed above, but if you have another restoration topic of specific interest you would like to see covered, we invite your suggestions and input. Please contact Mr. Tom St. Clair by telephone at 904-232-1774 or by email at: [GSTClair@pbsj.com](mailto:GSTClair@pbsj.com) with recommendations.

## HOTEL & MEETING SITE

NCER 2009 will be held at the beautiful Westin Bonaventure Hotel & Suites located in the heart of downtown Los Angeles.

For more information, visit the conference website: [www.conference.ifas.ufl.edu/NCER2009](http://www.conference.ifas.ufl.edu/NCER2009)

## FEATURED ARTICLE

### The 2008 Planning Associates Class Visits Pacific Ocean Division to learn about Small Boat Harbors, Intergovernmental Affairs and Cultural Resources and Tribal Affairs

By Bret Walters, Alaska District

*The 2008 Planning Associates class was in Hawaii from July 17<sup>th</sup> through August 1<sup>st</sup>. While there, they practiced presenting their Critical Think Pieces (CTPs) and tackled Small Boat Harbor, Intergovernmental Affairs, Cultural Resources, and Tribal Affairs courses. The week-days were busy, but most made time on the weekends to get out and see some of the spectacular sights and participate in some of the incredible activities Hawaii has to offer. Several PAs combined the trip with leave and some were able to fly family and friends over. That created a great opportunity to finally meet some of the people we have been hearing so much about.*

On the night most of the PAs arrived, the three work teams labored independently to develop their individual CTP presentations and then worked collaboratively the next morning to identify the common themes that would allow the three CTPs to compliment one another. In addition to getting suggestions from the other teams, Joy Muncy (Program Manager) and Steve Yamamoto (PA Class of 2005) gave the PAs a healthy portion of constructive criticism on their first dry run.

The teams used the suggestions from the morning session to refine their presentations and presented again to an audience assembled by Steve Yamamoto and Sharon Ishikawa at the Honolulu District (POH) Headquarters later that afternoon. The POH audience provided excellent feedback that was used to further improve and refine the presentations prior to presenting the CTPs via video-conference for review by Harry Kitch and Bruce Carlson.



Steve Yamamoto Introducing the PAs to the POH Audience

### July 21-25 Small Boat Harbor and Intergovernmental Affairs Course

2005 PA Classmates and course owners Pat Fitzgerald (Alaska District) and Steve Yamamoto (Honolulu District) assembled an excellent team of instructors and panelists. The PAs learned about the wide range of technical engineering, economic, and environmental considerations as well as the non-technical and coordination considerations associated with planning, designing and constructing small boat harbors in a variety of locations and environmental conditions. The course also included a presentation on cross-cultural communications and communicating in rural Alaska by current PA, Bret Walters. Some other highlights of the week included field trips to the Waianae and Haleiwa Small Boat Harbors, and the Kapani Dam on Oahu and the Kikiaola, Port Allen, and Nawiliwili Small Boat Harbors and Waimea Canyon on Kauai.



Small Boat Harbor Instructors (L-R): Ken Eisses, Jessica Podoski, Pat Fitzgerald, Bill Aila, Lorraine Cordova, and Steve Yamamoto during site visit at Waianae Small Boat Harbor



Ongoing Harbor Construction at Kikiaola Small Boat Harbor





Joy Muncy and the 2008 PAs at the Kapani Dam



Mixer at Kanalei and Kathy Shun's home

**July 27—August 1 Cultural Resources and Tribal Affairs Course.** Roberta Hayworth and Chris Pulliam (both from St. Louis District) assembled a great team of instructors and panelists and organized a great course.

The PAs learned a lot about cultural and historical resources, history, other cultures, and coordination requirements over the week. The course also included a presentation on the application of geophysical instruments in archaeology by current PA, John Peukert.

The time spent in Hawaii was a valuable and intellectually enriching experience for the PAs. In addition to the learning that took place, it provided an opportunity for further professional networking and opportunities to speak with experts from around the nation. The PAs would like to thank all the organizers, speakers, and presenters for their efforts to provide such a valuable experience and opportunity.

Now that the 2008 PAs are approaching the end of their year of adventures, they are turning their attention to the last couple elements of their itinerary.



**Primary Cultural Resources/Tribal Affairs Course**  
**Instructors: (back row L-R) Skipper Scott, Paul Rubenstein, Josiah Pinkham, Delisa Pinkham, Roberta Hayworth, Tom Green (front row L-R) Kanalei Shun, Jennifer Richman, Chris Pulliam, and Georgie Reynolds**

Some other highlights of the week included: being invited to Kanalei and Kathy Shun's home for a mixer on Monday night, several Native American stories and perspectives from Josiah Pinkham, valuable information about the Corps' Regulatory roles and processes from Skipper Scott, an incredible amount of information conveyed through conversations with Tom Green, and a field trip that visited several impressive cultural and historical sites around Oahu.

- | 2008 Planning Associates Itinerary |  |
|------------------------------------|--|
| 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.                                 | <b>Washington DC Experience (February – March 2008)</b>                            |
| 6.                                 | <b>Hydropower, Water Supply, Recreation, Endangered Species Act (April 2008)</b>   |
| 7.                                 | <b>Integrated Flood Risk Management (April 2008)</b>                               |
| 8.                                 | <b>Watersheds/Planning Community of Practice (PCoP) Conference (May 2008)</b>      |
| 9.                                 | <b>Inland Navigation (June 2008)</b>   |
| 10.                                | <b>Ecosystem Restoration (June 2008)</b>   |
| 11.                                | <b>Small Boat Harbors, and Intergovernmental Affairs (July 2008)</b>               |
| 12.                                | <b>Cultural Resources and Tribal Affairs (July 2008)</b>                           |
| 13.                                | Hurricane Storm Damage (August 2008)   |
| 14.                                | Presentation of Critical Thinking Pieces, Graduation (September 2008)              |
- \* Bolded titles indicate completed courses.

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## 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>

Employment opportunities highlighted this month include the following:

- (1) **Detroit District**, GS-12: Biologist(0401), Community Planner (0020), Economist (0110), Landscape Architect (0807), Civil Engineer (0810), Environmental Engineer (0819), Physical Scientist (1301), Hydrologist (1315)
- (2) **New Orleans District**, YA-2:Community Planning(0020), Economist(0110), Archeologist(0193)
- (3) **Northwestern Division**, GS-14:General Biologist (0401), General Engineer (0801), Civil Engineer (0810), Environmental Engineer (0819), Mechanical Engineer (0830), Electrical Engineer (0850), Community Planner (0020), Economist (0110), Social Scientist (0101), General Physical Scientist(1301)
- (4) **Philadelphia District**, GS-11/12:Water Resources Planner(0101), Economist(0110), Geographer(0150), Biologist(0401), Civil Engineer(0810), Physical Scientist(1301), Hydrologist(1315), Geologist(1350)
- (5) **Philadelphia District**, 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)
- (6) **Kansas City District**, Lead Regional Economist, GS-0110-13
- (7) **Fort Worth District**, YD-2: Economist (0110), Archaeologist (0193), Biologist (0401), General/Project Engineer (0801), Landscape Architect (0807), Architect (0808), Civil/Hydraulic Engineer (0810), Environmental Engineer (0819), Mechanical Engineer (0830), Electrical Engineer (0850), Chemical Engineer (0893), Hydrologist (1315), Chemist (1320), Geologist (1350)
- (8) **Sacramento District**, Economist, YA-0110-2
- (9) **Sacramento District**, Economist, YA-0110-1/Target 02
- (10) **US Army Engineer Research & Development Center, Topographic Engineering Center, Topographic, Imagery & Geospatial Ops Div, Alexandria, VA**, DB-5/GS-15:Supervisory Geographer (0150), Supervisory General Engineer (0801), Supervisory Physical Scientist (1301), Supervisory Hydrologist (1315), Supervisory Electronics Engineer (0855), Supervisory Computer Scientist (1550)
- (11) **Jacksonville District**, YD-2/YA-02:Biologist (0401), General Engineer (0801), Architect (0808), Civil Engineer (0810), Environmental Engineer (0819), Mechanical Engineer (0830), Physical Scientist (1301), Hydrologist (1315), Fishery Biologist (0486), Wildlife Biologist (0482), Electrical Engineer (0850), Ecologist (0408), Geologist (1350), Chemist (1320), Landscape Architecture (0807), Economist (0110), Archeologist(0193)
- (12) **Albuquerque District**, YX-2: Social Science (0101), Project Manager (0401), Project Manager (0801), Civil Engineer (0810), Physical Scientist (1301), Architect (0808), Landscape Architect (0807)

(1) Vacancy Announcement Number: **SWKD08876603**

Opening Date: **September 10, 2008** Closing Date: **September 24, 2008**

Position: **GS-12: Biologist(0401), Community Planner (0020), Economist (0110), Landscape Architect (0807), Civil Engineer (0810), Environmental Engineer (0819), Physical Scientist (1301), Hydrologist (1315)**

Salary: **\$70,711 - \$91,928 Annual**

Place of Work: **US Army Engineer District, Detroit, Planning, Programs and Project Management, Planning Office, Plan Formulation Branch, Detroit, MI**

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

Number of Vacancy: **1**

**Duties:** Conducts research, prepares technical services reports, develops non-structural flood plain management and damage prevention plans, and coordinates all phases of activities with appropriate District, State, Federal, and local interests. Develops plans and recommends technical studies, pertaining to assigned River Basins. Acquires a full knowledge of the Basins under study, so that the Plan prepared is sound, realistic, and socially and politically acceptable. Develops methods of operation and conducts broad-based urban planning studies with responsibilities in the following areas; urban flood control and flood plain management, municipal and industrial water supply, wastewater management, bank and channel stabilization, lake and estuarine restoration and protection, recreation management and development at civil works projects located in close proximity to urban areas.

**About the Position:** Serves as Principal Planner with responsibility for carrying out complete studies and reports leading to plans for the optimal utilization of water and related land resources of river basins or urban area, to meet all foreseeable short and long term needs. Functions as specialist in Comprehensive Flood Damage Prevention Planning.

(2) Vacancy Announcement Number: **SWGY08023669**

Opening Date: **September 17, 2008** Closing Date: **September 19, 2008**

Position: **YA-2:Community Planning(0020), Economist(0110), Archeologist(0193)**

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

Place of Work: **US Army Engineer District, New Orleans, Planning, Programs and Project Management Division, Protection & Restoration Branch, New Orleans, LA**

Position Status: **Temporary Position Not to Exceed: one year -- Full Time**

Number of Vacancy:**1**

**Duties:** The incumbent is responsible for managing the efficient and effective coordination and accomplishment of the planning, scoping, development, design, construction, and direction of Hurricane Protection System (HPS) projects. As the project manager, the incumbent is a leader/coordinator for various professional disciplines and functions within and outside the Corps of Engineers to include the engineering, economics, environmental, and physical science disciplines. The HPS projects include myriad features and complicating technical considerations such as extensive sediment carrying capacity of streams, unstable soil conditions of stream banks, silting problems, hydraulic and hydrologic considerations, soil geology, structural and architectural design, water quality parameters, etc. Leads/directs the efforts of a group of 2-5 subordinate project managers, engineering technicians, and supporting administrative personnel engaged in project management functions.

**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>.

(3) Vacancy Announcement Number: **WTHE08919614P**

Opening Date: **August 21, 2008** Closing Date: **September 19, 2008**

Position: **GS-14:General Biologist (0401), General Engineer (0801), Civil Engineer (0810), Environmental Engineer (0819), Mechanical Engineer (0830), Electrical Engineer (0850), Community Planner (0020), Economist (0110), Social Scientist (0101), General Physical Scientist(1301)**

Salary: **\$96,274 - \$125,155 Annual**

Place of Work: **US Army Engineer Division, Northwestern, Directorate of Programs, Program Support Division, Portland, OR**

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

Number of Vacancy: **1**

**Duties:** Serves as the Asset Manager for a large USACE Division with a \$9 billion infrastructure portfolio. As a regional technical expert and program manager, incumbent provides policy development/interpretation, district oversight, and is responsible for independently creating and guiding a program for a sustainable infrastructure, based on risk-based life cycle cost strategies for the operation, maintenance, repair, rehabilitation, and replacement of Northwestern Division water resource infrastructure. Strategies include short and long range management, funding and investment plans to sustain an aging infrastructure consisting of hydropower equipment and facilities, navigation locks, flood damage reduction features, dams, and coastal jetties. Programs developed must also comply with DoD real property management and federal real property asset management program.

**About the Position:** The Northwestern Division of the US Army Corps of Engineers offers a wide range of services to its military and civilian customers. The Division has two regional offices located in Portland, Oregon, and Omaha, Nebraska, which provide direction and guidance for five subordinate districts. They also perform regional interface involving the upward coordination of technical policy and budgetary issues which cross district boundaries, as well as interface with many other Federal and state agencies, congressional leaders, interest groups and international commissions. It is in the regional offices where oversight actions for the management, coordination and analysis of various Division-wide programs are performed. The quality assurance role of the regional offices ensures that processes, procedures, and activities performed by the districts result in top quality products and services to Corps customers.

(4) Vacancy Announcement Number: **NEGA08904773**

Opening Date: **September 12, 2008** Closing Date: **September 25, 2008**

Position: **GS-11/12:Water Resources Planner(0101), Economist(0110), Geographer(0150), Biologist(0401), Civil Engineer(0810), Physical Scientist(1301), Hydrologist(1315), Geologist(1350)**

Salary: **\$57,845 - \$90,135 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:** In this position you will be responsible for the conduct and day-to-day study management of planning investigations and studies which encompass varied phases of project work. These are located in a wide geographical area which includes portions of New York, Pennsylvania, Maryland, New Jersey and Delaware. You will prepare reports and documents often justifying approval of projects; and reformulating or reaffirming authorized projects. Coordinate with all District elements in preparing a Project Management Plan (PMP) to define the scope of effort for study, and work with other professional and technical personnel of supporting elements to define assignment of responsibility, results to be achieved and amount of funds needed. As well as prepares basic scopes of work and government cost estimates for contracting services.

(5) Vacancy Announcement Number: **NEGA08904790**

Opening Date: **September 12, 2008** Closing Date: **September 25, 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:** In this position you will be responsible for assisting in the conduct and day-to-day study management of planning investigations and studies which encompass varied phases of project work. These are located in a wide geographical area which includes portions of New York, Pennsylvania, Maryland, New Jersey and Delaware. You will prepare reports and documents often justifying approval of projects; and reformulating or reaffirming authorized projects. Coordinate with all District elements in preparing a Project Management Plan (PMP) to define the scope of effort for study, and work with other professional and technical personnel of supporting elements to define assignment of responsibility, results to be achieved and amount of funds needed. As well as prepares basic scopes of work and government cost estimates for contracting services.

(6) Vacancy Announcement Number: **WTGH08999578**

Opening Date: **September 11, 2008** Closing Date: **September 22, 2008**

Position: **Lead Regional Economist, GS-0110-13**

Salary: **\$77,670 - \$100,976 Annual**

Place of Work: **US Army Engineer District, Kansas City, PPMD, Planning Brn., Formulation Sec., Kansas City, MO**

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

Number of Vacancy: **01**

**Duties:** Serves as the Team Leader, Economic Team, Plan Formulation Section, Planning Branch of the Planning, Programs, and Project Management Division with the responsibility for leading a team composed of 4-6 members employed as professional economists. Also serves as a senior Economic technical specialist to provide expert advice, opinions and recommendations on economic aspects of planning functions and projects. The work of this team represents a key function in the overall NWK Water Resource Planning Program. Plans, coordinates, directs, and leads activities of subordinate team personnel. Leads the planning, coordination, and conduct of comprehensive economic studies related to the development of water and related land resources in the Kansas City District, including flood control, ecosystem restoration, major rehabilitation, regional economic development studies, recreation, hydropower, water supply, and others.

(7) Vacancy Announcement Number: **SWHB08798115**

Opening Date: **September 05, 2008** Closing Date: **October 05, 2008**

Position: **YD-2: Economist (0110), Archaeologist (0193), Biologist (0401), General/Project Engineer (0801), Landscape Architect (0807), Architect (0808), Civil/Hydraulic Engineer (0810), Environmental Engineer (0819), Mechanical Engineer (0830), Electrical Engineer (0850), Chemical Engineer (0893), Hydrologist (1315), Chemist (1320), Geologist (1350)**

Salary: **\$46,791 - \$105,936 Annual**

Place of Work: **US Army Engineer District, Fort Worth, Programs and Project Management Division, Civil Branch, Fort Worth, TX, Duty Location: Fort Worth, TX**

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:** As Project Manager, you will be responsible for the overall management, control, coordination and execution of assigned projects. As the project team leader, you will implement corporate decisions, guidance, laws, regulations, and policy in the development of the project and intermediate products in support of the project. Negotiate and integrate all District functions. Integrate executive/Congressional schedules and criteria and establish project scope and criteria, schedules and milestones, budgets, department agencies and responsibilities of the participating parties, assumptions and risks, contingencies, and performance measurement criteria. Responsible for obtaining and maintaining the District corporate commitment to the management plan. Participate in District programming decisions affecting long and short-range courses of action for assigned projects. Provide input to the District operating budget related to projects assigned.

(8) Vacancy Announcement Number: **WTKC08826459R**

Opening Date: **September 04, 2008** Closing Date: **October 06, 2008**

Position: **Economist, YA-0110-2**

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

Place of Work: (Includes 20.25% Local Market Supplement)

**US Army Engineer District, Sacramento, Planning Division, Water Resources Branch, Economic and Risk Analysis Section, Sacramento, CA**

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

Number of Vacancy: **03**

**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:** Performs economic research and analysis in the preparation of study reports, economic updates and appendices for water resources development projects. Determines research requirements, plans the sequence of tasks and arranges schedules for the study process. Determines sources of data, type of benefits involved, study team and field work requirements. Incumbent would review historical study documentation obtaining records of past floods, evaluating lands, crops, residences and businesses by checking state, county and city records. Using computer modeling, analyzes and evaluates data to determine potential damages of flooded areas, quantify benefits to be derived from proposed improvements, estimate economic impact of the project, and develop alternatives to identify projects of benefit to the Federal government. Prepares reports and appendices to document findings, recommendations, benefit areas, etc.

(9) Vacancy Announcement Number: **WTKC08826459R1**

Opening Date: **September 04, 2008** Closing Date: **October 06, 2008**

Position: **Economist, YA-0110-1/Target 02**

Salary: **\$31,274 - \$107,283 Annual**

Place of Work: (Includes 20.25% Local Market Supplement)

**US Army Engineer District, Sacramento, Planning Division, Water Resources Branch, Economic and Risk Analysis Section, Sacramento, CA**

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

Number of Vacancy: **03**

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:** This position is developmental with full performance to the YA-02 pay band. Performs economic research and analysis in the preparation of study reports, economic updates and appendices for water resources development projects. Determines research requirements, plans the sequence of tasks and arranges schedules for the study process. Determines sources of data, type of benefits involved, study team and field work requirements. Incumbent would review historical study documentation obtaining records of past floods, evaluating lands, crops, residences and businesses by checking state, county and city records. Using computer modeling, analyzes and evaluates data to determine potential damages of flooded areas, quantify benefits to be derived from proposed improvements, estimate economic impact of the project, and develop alternatives to identify projects of benefit to the Federal government. Prepares reports and appendices to document findings, recommendations, benefit areas, etc.

(10) Vacancy Announcement Number: **SWGR08938447**

Opening Date: **September 08, 2008** Closing Date: **October 07, 2008**

Position: **DB-5/GS-15:Supervisory Geographer (0150), Supervisory General Engineer (0801), Supervisory Physical Scientist (1301), Supervisory Hydrologist (1315), Supervisory Electronics Engineer (0855), Supervisory Computer Scientist (1550)**

Salary: **\$115,317 - \$149,000 Annual**

Place of Work: **US Army Engineer Research & Development Center, Topographic Engineering Center, Topographic, Imagery & Geospatial Ops Div, Alexandria, VA**

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

Number of Vacancy: **01**

**Duties:** The incumbent works under the general supervision of the Director, USA Topographic Engineering Center who provides overall objectives and broad aspects of work assignments, as well as guidance relative to policies, priorities, and budgetary matters. Incumbent serves as the Operations Division Chief of the U.S. Army Topographic Engineering Center; responsible for the technical and managerial leadership of a multi-disciplinary unit providing geospatial production and operational support to Joint, Army, and Corps of Engineers Civil Works missions. Contributes to the strategic direction of the organization, working to ensure Army geospatial requirements and system support issues are effectively and efficiently addressed. Provides oversight to a number of military funded OMA and GWOT reimbursable programs, to include but not limited to: geospatial data production; hydrologic, environmental and terrain analysis; and deployed operational systems.

**About the Position:** The US Army Engineer Research and Development Center (ERDC) is one of the most diverse engineering and scientific research organizations in the world. Provides high quality, responsive engineering and environmental research and development support to the Army and Nation. As part of the US Army Corps of Engineers team, ERDC develops innovative science and technology solutions to support warfighting, infrastructure, environmental, water resources, and disaster operations. It consists of seven laboratories at four geographical sites in Vicksburg, MS; Champaign, IL; Hanover, NH; and Alexandria, VA. ERDC employs more than 2000 engineers, scientists, and support personnel. For more information on our organization, please visit our website at [www.erd.usace.army.mil](http://www.erd.usace.army.mil).

(11) Vacancy Announcement Number: **SCGV08000102C**

Opening Date: **June 09, 2008** Closing Date: **December 08, 2008**

Position: **YD-2/YA-02:Biologist (0401), General Engineer (0801), Architect (0808), Civil Engineer (0810), Environmental Engineer (0819), Mechanical Engineer (0830), Physical Scientist (1301), Hydrologist (1315), Fishery Biologist (0486), Wildlife Biologist (0482), Electrical Engineer (0850), Ecologist (0408), Geologist (1350), Chemist (1320), Landscape Architecture (0807), Economist (0110), Archaeologist(0193)**

Salary: **\$44,601 - \$89,159 Annual**

Place of Work: **US Army Engineer Dist, Jacksonville, Jacksonville, FL 32232**

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:** Responsible for ensuring the efficient and effective execution of all phases of assigned projects. Serves as the District's primary point of contact for assigned projects and represents the District Commander with customers, Federal agencies, state and local government agencies, Congressional interests, and other external organizations and higher authorities. Responsible for the day to day management, leadership, and execution of assigned programs and projects. Serves as Project Manager, responsible for the overall management, control, coordination and execution of assigned programs and projects. Coordinates the planning, design, cost engineering, construction, and environmental considerations, etc., for assigned projects of normal scope and complexity as measured by their diversity, geographical area, management demands, technical issues, physical and biological intricacies, and public/regulatory requirements.

(12) Vacancy Announcement Number: **WTKC08000021OC**

Opening Date: **July 07, 2008** Closing Date: **December 31, 2008**

Position: **YX-2: Social Science (0101), Project Manager (0401), Project Manager (0801), Civil Engineer (0810), Physical Scientist (1301), Architect (0808), Landscape Architect (0807)**

Salary: **\$44,600.00 - \$100,975.00 Annual**

Place of Work: (Salary includes local market supplement of 13.18%)

**US Army Engineer District, Albuquerque Planning, Project and Program Management Division, Albuquerque, New Mexico**

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 project manager responsible for managing the planning, scoping design, construction and direction of Corps of Engineers Civil Works projects or Military and/or Interagency Support (IAS) Projects. Civil Works projects may include dams, water diversion structures, environmental restoration, etc. Military projects may include dormitories, hangars and runways among others on behalf of other districts. You would be responsible for the overall management of projects, implementing regulations and policies and negotiating all District functions such as planning, cost engineering, construction, etc. You would control and manage project milestones and budgets allocating project funds to District elements. You would be responsible for keeping the customer fully informed of project progress, issues and any impacts on costs ensuring that the customer participation is in accordance with the management plan.

**About the Position:** This position is located with the US Army Engineer District, Albuquerque, Program and Project Management Division, Civil Planning and Project Management Branch, Albuquerque, New Mexico. Job series 101 is a YA-02 position and job series 401, 801, 810, 1301, 808 and 807 are YD positions. Numerous positions may be filled from this vacancy announcement.

## TRAINING COURSES

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

### Nonstructural Measures for Flood Risk Control Number: 345

March 30 — April 3, 2009

Davis, CA

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 these missions to the Actions for Change, the Civil Works Strategic Plan, the Environmental Operating Principles, and watershed/systems planning, in order for the participant to fully understand the significant role of nonstructural measures. This course will make the student 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. 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 long term flood risk management.

The student will be shown how to conduct nonstructural benefit analysis and how to formulate nonstructural alternatives. A field trip will be included to see nonstructural measures that have been implemented. The course offers opportunities to professional staff in such areas as flood plain management, hydraulics and hydrology, and civil works planning to become knowledgeable in this area. Its focus is on realizing the need for, and the opportunities with, nonstructural measures as well as the methodologies and procedures for performing reconnaissance and feasibility phase investigations for plan formulation, evaluation and implementation of nonstructural measures.

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

## WORKSHOPS

### River and Stream Restoration: Geomorphic and Ecological Processes

Dates: **Oct 20-21** (2-day fundamentals) or **Oct 20-24** (full 5-day course)

Location: Duke Farms, Hillsborough, New Jersey

URL: <http://streamrestorationnj.com/>

Sponsor: New Jersey Chapter of the American Water Resources Association

Restoration can be most effective when based on an understanding of processes and the larger context, and when it benefits from systematic learning from previously built projects. The course emphasizes understanding geomorphic and ecological processes in rivers, approaching restoration from a watershed-scale and decadal-time scale context, incorporating insights from recent research in fluvial geomorphology and ecology, developing predictive connections between objectives and actions, learning from built restoration projects, and developing restoration strategies and innovative management approaches based on understanding of underlying causes of channel or ecosystem change, rather than prescriptive approaches. Participants in this course will learn to see their reach of stream as part of a larger system, and to identify factors in other parts of the watershed and over a longer time scale that may be influencing the current behavior of the reach - such as the effects of historical mill-dams creating fine-grained floodplain deposits, as highlighted in recently-published research. The course draws on cutting edge research and practice, taught by experienced instructors active in research and implementation in the field.

The course consists of organized lectures, backed by lecture notes, a reference text on measurement and analysis methods in fluvial geomorphology, spreadsheets, and other relevant reading, field trips, exercises, and discussions. The course includes field trips to streams in the Raritan River Basin, and workshops on stream restoration problems faced by participants, who briefly present the problem for discussion by instructors and colleagues in a workshop format, for discussion and ideas on analytical approaches and resources.



## CONFERENCES

The following is a list of conferences, workshops, and symposia that may be of interest to members of the Planning Community of Practice, as well as other practitioners in field of water resources. Those conferences, workshops and symposia in which the U.S. Army Corps of Engineers has been involved in the organization, sponsorship, or where members of the Corps have been identified as speakers or presenters, are identified in *italics*.

***Floodplain Management Association Annual Conference “Floodplain Sustainability: Integrating Flood Risk, Land Use and Environmental Stewardship”***

September 2-5, 2008 San Diego, CA  
Additional information: <http://www.floodplain.org/conference.php>

**Wetlands 2008 “Wetlands and Global Climate Change”**

September 16-18, 2008 Portland, OR  
Additional information: <http://www.aswm.org/calendar/wetlands2008/index.htm>

***Coastal Engineering Research Board 85<sup>th</sup> Meeting***

September 23-25, 2008 Portland, OR  
Additional information: <http://chl.ercd.usace.army.mil/chl.aspx?p=s&a=Events!275>

**The River Center Conference 2008 “Managing and Restoring Human-Manipulated Large River Ecosystems”**

September 25-26, 2008 Missoula, MT  
Additional information: <http://www.umd.edu/rivercenter>

**National Academy of Sciences, Disasters Roundtable Workshop 23 “Making the World Safer from Disasters: The U.S. Role”**

October 2, 2008 Washington, D.C.  
Additional information: <http://dels.nas.edu/dr/f23.shtml>

**4<sup>th</sup> National Conference on Coastal and Estuarine Habitat Restoration**

October 11-15, 2008 Providence, RI  
Additional information: <http://www.estuaries.org/?id=138>

**Construction Management Association of America National Conference**

October 12-14, 2008 San Francisco, CA  
Additional information: <http://cmaanet.org/nationalconference08.php>

**Construction Industry Ethics and Compliance Initiative “Best Practices Forum”**

October 16-17, 2008 Washington, D.C.  
Additional information: <http://www.ciecinitiative.org/CIECI-Best-Practices-Forum-Working-Agenda.pdf>

**Risk and Crisis Communication in the 21<sup>st</sup> Century: Are We Ready?**

November 3, 2008 Washington, D.C.  
Additional information: <http://www.homelanddefensejournal.com/hdl/Crisis-Communication-21st-Century.html>

***Gulf Coast Hurricane Preparedness, Response, Recovery and Rebuilding***

November 11 – 14, 2008 Mobile, AL  
Additional information: <http://www.pianc.us>

**28<sup>th</sup> International Symposium of the North American Lake Management Society “Lake Management in a Changing Environment”**

November 11-14, 2008 Alberta, Canada  
Additional information: <http://www.nalms.org/conferences/2008LakeLouise/Default.aspx>

***National Flood Proofing Conference IV***

November 16-20, 2008 New Orleans, LA  
Additional information: <http://www.floods.org/Conferences,%20Calendar/nfpc4.asp>

**American Water Resources Association “2008 Annual Water Resources Conference”**

November 17-20, 2008 New Orleans, LA  
Additional information: <http://www.awra.org/meetings/NewOrleans2008/index.html>

**Coastal Cities Summit 2008**

November 17-20, 2008 St. Petersburg, FL  
Additional information: <http://www.coastalcities.org>

**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>

**National Conference on Science, Policy and the Environment “Biodiversity in a Rapidly Changing World”**

December 8-10, 2008 Washington, D.C.  
Additional information: <http://www.ncseonline.org/conference/biodiversity/>

**A Conference on Ecosystem Services, 2008:Using Science for Decision Making in Dynamic Systems**

December 8-11, 2008 Naples, FL  
Additional information: <http://www.conference.ifas.ufl.edu/ACES/>

**3rd System of Systems Conference**

December 9-10, 2008 Gaithersburg, MD  
Additional information: [http://www.upcomingevents.ctc.com/SoSECE/SoSECE\\_event\\_home.html](http://www.upcomingevents.ctc.com/SoSECE/SoSECE_event_home.html)

***Transportation Research Board—88th Annual Meeting***

January 11-15, 2009 Washington, DC  
Additional information: <http://www.trb.org/am/cfp/default.asp?event=445>

**Coastal Geotools 2009**

March 2-5, 2009 Myrtle Beach, SC  
Additional information: <http://www.csc.noaa.gov/geotools/index.html>

***5th World Water Forum “Bridging Divides for Water”***

March 16-22, 2009 Istanbul, Turkey  
Additional information: <http://www.worldwaterforum5.org>

**National Military Fish and Wildlife Association Annual Meeting**

March 17-21, 2009 Washington, DC  
Additional information: <http://www.nmfwa.org/future.cfm>

**American Water Resources Association, 2009 Spring Specialty Conference, “Managing Water Resources and Development in a Changing Climate”**

May 4-6, 2009 Anchorage, AK  
Additional information: <http://www.awra.org/meetings/Anchorage2009/index.html>

**Coastal Zone 09**

July 19-23, 2009 Boston, MA  
Additional information: <http://www.csc.noaa.gov/cz>

**3rd National Conference on Ecosystem Restoration**

July 20-24, 2009 Los Angeles, CA  
Additional information: <http://conference.ifas.ufl.edu/ncer2009/>



## 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:

*“Southeast Oahu Coastal Hydrodynamic Modeling with ADCIRC and STWAVE”* by Mary A. Cialone, Mitchell E. Brown, Jane M. Smith and Kent K. Hathaway, U.S. Army Engineering Research and Development Center, Coastal and Hydraulics Laboratory, ERDC/CHL TR 08-9, Available at:

[http://libweb.erdc.usace.army.mil/uhtbin/cgisirsi/20080909214559/SIRSI/0/518/0/CHL-TR-08-9.pdf/Content/1?new\\_gateway\\_db=HYPERION](http://libweb.erdc.usace.army.mil/uhtbin/cgisirsi/20080909214559/SIRSI/0/518/0/CHL-TR-08-9.pdf/Content/1?new_gateway_db=HYPERION)

*“Houston-Galveston Navigation Channels, Texas Project: Navigation Channel Sedimentation Study, Phase 2”* by J.N. Tate, R.C. Berger and C.G. Ross, U.S. Army Engineering Research and Development Center, Coastal and Hydraulics Laboratory, ERDC/CHL TR 08-8, Available at: [http://libweb.erdc.usace.army.mil/uhtbin/cgisirsi/20080909214923/SIRSI/0/518/0/CHL-TR-08-8.pdf/Content/1?new\\_gateway\\_db=HYPERION](http://libweb.erdc.usace.army.mil/uhtbin/cgisirsi/20080909214923/SIRSI/0/518/0/CHL-TR-08-8.pdf/Content/1?new_gateway_db=HYPERION)

*“Public Participation in Environmental Assessment and Decision Making”*, Thomas Dietz and Paul C. Stern, Editors, Panel on Public Participation in Environmental Assessment and Decision Making, National Research Council, Available at: [http://www.nap.edu/catalog.php?record\\_id=12434](http://www.nap.edu/catalog.php?record_id=12434)

*“The Hydrologic Effects of a Changing Forest Landscape”* by National Academy of Sciences, National Research Council, Committee on Hydrologic Impacts of Forest Management, July 2008, Available at: [http://books.nap.edu/catalog.php?record\\_id=12223](http://books.nap.edu/catalog.php?record_id=12223)

*“Increasing Capacity for Stewardship of Oceans and Coasts: A Priority for the 21<sup>st</sup> Century”* by the National Academy of Sciences, National Research Council, Committee on International Capacity Building for the Protection and Sustainable Use of Oceans and Coasts, Available at: [http://books.nap.edu/catalog.php?record\\_id=12043](http://books.nap.edu/catalog.php?record_id=12043)

*“Core Competencies for Federal Facilities Asset Management Through 2020: Transformational Strategies”*, National Academy of Sciences, National Research Council, Committee on Core Competencies for Federal Facilities Management 2005-2020, Available at: [http://www.nap.edu/catalogue.php?record\\_id=12049](http://www.nap.edu/catalogue.php?record_id=12049)

*“Ground-Water Availability in the United States”* by Thomas E. Reilly, Kevin F. Dennehy, William M. Alley, and William L. Cunningham, U.S. Geological Survey Circular 1323, Available at [http://pubs.usgs.gov/circ/1323/pdf/Circular1323\\_book\\_508.pdf](http://pubs.usgs.gov/circ/1323/pdf/Circular1323_book_508.pdf)

*“Waterborne Transport, Ports and Waterways: A Review of Climate Change Drivers, Impacts, Responses, and Mitigation”* PIANC EnviCom – Task Group 3 Climate Change and Navigation, Available at: <http://www.pianc-aipcn.org/docs02/reports/envicom-free-tg3.pdf>

*“The Value of Coastal Wetlands for Hurricane Protection”* by Robert Costanza, Octavio Perez-Maqueo, M. Luisa Martinez, Paul Sutton, Sharolyn J. Anderson and Kenneth Mulder, Royal Swedish Academy of Sciences 2008, Ambio Vol. 37, No. 4, June 2008, Available at: <http://www.allenpress.com/pdf/AMBI-37-4-241.pdf>

*“Trends in Public Spending on Transportation and Water Infrastructure, 1956 to 2004”* Congressional Budget Office, August 2007. Available at: <http://www.cbo.gov/ftpdocs/85xx/doc8517/08-08-Infrastructure.pdf>

*“Analyses of the Effects of Global Change on Human Health and Welfare and Human Systems – Final Report, Synthesis and Assessment Product 4.6”*. U.S. Climate Change Science Program. July 2008. Available at: <http://downloads.climate-science.gov/sap/sap4-6/sap4-6-final-all.pdf>

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