2007ISCE-Schedule-revised-2.doc
-2
Clb
[NOTE: this version has ACCEPTED all changes from Jack Berezniak, HHC & HHC-Coastal as of 5/08/07]

USACE Infrastructure Systems Conference
Schedule at a Glance

Monday, June 25, 2007		
7:00 a.m.	5:00 p.m.	Registration
7:00 a.m.	9:00 a.m.	Continental Breakfast
9:00 a.m.	10:00 p.m.	**Engineering & Construction (E&C) Community of Practice (CoP) Meetings Group A**
		Track 2: Geotech & Materials Engineering G&M CoP Meeting – General Discussion
10:00 a.m.	11:00 a.m.	**E&C CoP Meetings Group B**
		Track 2: Geotech & Materials Engineering G&M CoP Meeting – Materials and Exploration Competency **Track 5: Dam Safety** (10:30 a.m.) Update of Safety of Dams Regulation - ER 1110-2-1156
11:00 a.m.	12:00 a.m.	**E&C CoP Meetings Group C**
		Track 2: Geotech & Materials Engineering G&M CoP Meeting - Q&A Session with GEO-SLOPE (Dr. John Krahn) **Track 5: Dam Safety** Update of Safety of Dams Regulation - ER 1110-2-1156 **Track 6: Construction Management** Sub-CoP Steering Committee Meeting **Track 8: Security, Law Enforcement & Intelligence** CoP Meeting
12:00 p.m.	1:00 p.m.	Lunch (on your own)
1:00 p.m.	2:30 p.m.	**Plenary Session 1 General**
		Session Host: James C. Dalton, HQ USACE Chief, Engineering & Construction

		Welcome & Intro **Lt. Col. William J. Leady** Commander, USACE-Detroit District **Brig. Gen. Bruce A. Berwick, USA** Commander, Great Lakes and Ohio River Division Remarks **Lt. Gen. Robert L. VanAntwerp, USA** President's Nominee to be 52nd Chief of Engineers, USACE Remarks **Maj. Gen. Don T. Riley, USA** Director, Civil Works **MILCON Transformation (MT)** **Centers of Standardization (CoS)** J. Joseph Tyler, HQ USACE Deputy Director, Military Programs **Q&A**
2:30 p.m.	3:30 p.m.	Coffee Break
3:30 p.m.	5:00 p.m.	**Plenary Session 2** **General** Session Host: MK Miles, HQ USACE Deputy Chief, Engineering & Construction **Engineering & Construction Overview** James C. Dalton, HQ USACE Chief, Engineering & Construction **Civil Works Strategic Directions** Steven L. Stockton, HQ USACE Deputy Director, Civil Works **Interagency Project Evaluation Team (IPET) Overview** Edward Link, Ph.D. University of Maryland **Hurricane Protection Decision Chronology (HPDC) Overview** Robert A. Pietrowsky, Ph.D. Director, U.S. Army Engineer Institute for Water Resources ***12 Actions for Change* Overview** James C. Dalton, HQ USACE Chief, Engineering & Construction **Q&A**
5:00 p.m.	7:00 p.m.	**Ice Breaker**

Tuesday, June 26, 2007		
7:00 a.m.	5:00 p.m.	Registration
7:00 a.m.	8:00 a.m.	Continental Breakfast
8:00 a.m.	9:30 a.m.	**Plenary Session 3** **Civil Works**
		Session Host: Eric C. Halpin, HQ USACE Acting Chief, Civil Works Branch Engineering & Construction **Engineering & Construction Civil Works Overview** Eric C. Halpin, HQ USACE Engineering & Construction **Risk & Reliability Overview** Eric C. Halpin, HQ USACE Engineering & Construction **E&C Design Policy Overview** Dave A. Pezza, HQ USACE Engineering & Construction -&- Jerry W. Webb, HQ USACE Engineering & Construction **Cost Engineering Overview** Raymond L. Lynn, HQ USACE Engineering & Construction **Technology (SET, BIM, eGIS)** Robert Bank, HQ USACE Engineering & Construction **Q&A**
9:30 a.m.	10:00 a.m.	Coffee Break
10:00 a.m.	11:30 a.m.	**Plenary Session 4** **Military Programs**
		Session Host: Walt Norko, HQ USACE Acting Chief, Military Programs Branch Engineering & Construction **Engineering & Construction Military Programs Overview** **MILCON Transformation (MT)** **Centers of Standardization (CoS)** Walt Norko, HQ USACE

		Emerging Trends in Design-Build Project Delivery Paul M. Parsoneault, HQ USACE Engineering & Construction **Sustainability & Epact '05** Harry Goradia, HQ USACE Engineering & Construction **Q&A**
10:00 a.m.	11:30 a.m.	**Plenary Session 4a** **Hydrology, Hydraulics & Coastal (HH&C)**
		Conference Overview Role of HH&C Communities of Practice (CoP) within USACE CoP Organizational Structure; Senior Advisory Committee USACE National Technical Committees; CWMS/CURG Update on USACE National FEMA PDT: Virtual Teaming Across District and Divisions
10:00 a.m.	11:30 a.m.	**Plenary Session 4b** **Dam Safety**
		Safety of Dams and Levees: Meet Your Community of Practice Leaders
11:30 a.m.	1:00 p.m.	**ISC Luncheon**
		Keynote Speaker: **Brig. Gen. Gerald E. Galloway, Jr., P.E., Ph.D., F.SAME, USA (Ret.)** Glenn L. Martin Institute Professor of Engineering, University of Maryland, College Park, Md. Visiting Scholar U.S. Army Corps of Engineers Institute for Water Resources Member National Academy of Engineering
1:00 p.m.	1:30 p.m.	**Technical Sessions Group 1**
		Track 1a: HH&C Environmental & Ecosystem Restoration **Track 1b: HH&C Coastal** **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 1-3: Panel on Risk Issues • IPET Overview • Introduction of Risk & Reliability in the Dam Safety and Levee Safety Programs • Risk Assessment for Design of Coastal Flood Protection Levees • Laboratory Measurements of Combined Wave and Storm Surge Overtopping of Levees

		Track 2: Geotech & Materials Engineering A. Geotechnical Investigations, Reports and Specifications in the Design/Build Era B. Three-Dimensional FLAC Stability and Deformation Analysis: How Much Caution Is Needed?
		Track 3: Civil Engineering and Transportation Scrap Tires—Rubber-modified Paving Materials, Applications, Usage and Benefits
		Track 4: Structural Engineering A. Fatigue and Fracture Requirements—The AWS Fracture Control Plan (FCP) and Revised AASHTO Fatigue Provisions B. Impact Between a Barge Train and a Flexible Approach Wall: An Engineering Evaluation Procedure
		Track 5: Dam Safety A. Clearwater Dam Major Rehab Project B. USACE Portfolio Risk Assessment Program
		Track 6: Construction & AE Management New features in Resident Management System (RMS) and Quality Control System (QCS)
		Track 7: Mechanical and Electrical A. Electrical Criteria B. High Pressure Bonneted Slide Gates for CUP-McCook Reservoir Distribution Tunnel System
		Track 8: Infrastructure Protection and Security Engineering USACE Critical Infrastructure Security and Protection (CISP) Program: A Future Roadmap
		Track 11: GIS/CAD/BIM BIM—Building the BETTER Information Model
		Track 12: Interdisciplinary/Systems Engineering Accuracy, Use and Misuse of Survey Data Common Pitfalls and How to Avoid Them
1:30 p.m.	2:00 p.m.	**Technical Sessions Group 2**
		Track 1a: HH&C Environmental & Ecosystem Restoration **Track 1b: HH&C Coastal** **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 1-3: Panel on Risk Issues • IPET Overview • Introduction of Risk & Reliability in the Dam Safety and Levee Safety Programs • Risk Assessment for Design of Coastal Flood Protection Levees • Laboratory Measurements of Combined Wave and Storm Surge Overtopping of Levees
		Track 2: Geotech & Materials Engineering A. Revision to the USACE Levee Design and Construction Manual, EM 1110-2-1913 B. Seismic Deformation Analysis of Dams
		Track 3: Civil Engineering and Transportation Airfield Pavement Construction: Lessons Learned

		Track 4: Structural Engineering A. Implementation of a Fracture Control Plan (FCP) and Quality Assurance (QA) During Fabrication of HSS B. Probabilistic Barge Impact Analysis for Charleroi Lock and Dam
		Track 5: Dam Safety A. Clearwater Dam Major Rehab Project Phase 1 – Exploratory Drilling and Grouting B. SPRA Outcomes and Lessons Learned
		Track 6: Construction & AE Management Construction Closeout using RMS
		Track 7: Mechanical and Electrical A. Electrical Criteria B. Major Repair of Hydraulic Steel Structures, USACE-Kansas City District
		Track 8: Infrastructure Protection and Security Engineering USACE Anti-Terrorism/Force Protection Program
		Track 11: GIS/CAD/BIM Building Information Modeling and the Centers of Standardization
		Track 12: Interdisciplinary/Systems Engineering GIS Based Landscape Scale Wetland Delineation
2:00 p.m.	2:30 p.m.	**Technical Sessions Group 3**
		Track 1a: HH&C Environmental & Ecosystem Restoration **Track 1b: HH&C Coastal** **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 1-3: Panel on Risk Issues • IPET Overview • Introduction of Risk & Reliability in the Dam Safety and Levee Safety Programs • Risk Assessment for Design of Coastal Flood Protection Levees • Laboratory Measurements of Combined Wave and Storm Surge Overtopping of Levees
		Track 2: Geotech & Materials Engineering A. Jacksonville District's Challenge to Update the Grout Manual, EM-1110-2-3506 B. Modeling Analysis for the Design of a Seepage Control Barrier around a Reservoir
		Track 3: Civil Engineering and Transportation USACE Transportation System Center
		Track 4: Structural Engineering A. Shop Fabrication of Steel Bridges and HSS—Detailing Practices and QA B. Charleroi Locks—Filling and Emptying Culvert Valves
		Track 5: Dam Safety A. Dam Safety Case History of Arkansas River, Hardin Dam # 3, Foundation Distress B. Peer Review of 6 USACE High Risk Projects

		Track 6: Construction & AE Management New ACO Warrant Policy
		Track 7: Mechanical and Electrical A. Electrical Design Under CM@risk Contracting B New Generation Turbine Oils: For Better or Worse
		Track 8: Infrastructure Protection and Security Engineering The ENGLink Threats and Suspicious Incident System
		Track 11: GIS/CAD/BIM The Long and Winding Road: The Path of the USACE BIM Road Map
		Track 12: Interdisciplinary/Systems Engineering Cost Benefits of Implementing Safety During the Design Phase of Project
2:30 p.m.	3:30 p.m.	**Networking Break in Exhibit Hall**
3:30 p.m.	4:00 p.m.	**Technical Sessions Group 4**
		Track 1a: HH&C Environmental & Ecosystem Restoration **Track 1b: HH&C Coastal** **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 4-6: Panel on Regional Issues • USACE Climate Focus Group Activities, FY05-07 • Climate Variability Impacts to Seasonal Flood Control Operations • Regional Sediment Management (RSM) Optimization Planning System (RSM-OPS) • RSM: A Systems Approach to Managing Sediment in Coastal, Estuarine and Riverine Environments
		Track 2: Geotech & Materials Engineering A. Geotechnical Investigations for the Site Characterization of the Success Dam Seismic Remediation Project B. Near Surface Geophysical Methods to Rapidly Assess Levee Integrity and Potential Failure
		Track 3: Civil Engineering and Transportation PCASE (Pavement-Transportation Computer Aided Structural Engineering) Capabilities
		Track 4: Structural Engineering A. 3D Frame Analysis of Tainter Gates in accordance to EM 2702 B. Design Guidance for Precast/Prestressed Concrete for the In-the-Wet Construction
		Track 5: Dam Safety A. Engineering Implications of the Geologic Setting of Mosul Dam B. What Do You Mean I Have to Lower the Pool?!—Interim Risk Reduction Measures for Dam Safety (EC-1110-2-XXXX)
		Track 6: Construction & AE Management American River Common Features, Pocket Geotech Sacramento Levees

		Track 7: Mechanical and Electrical A. Arc Flash Hazard Analysis B. Redesign of Tainter Gate Trunnion Bearings for Tuttle Creek Lake, USACE
		Track 8: Infrastructure Protection and Security Engineering Overview of R&D Efforts Supporting the CISP Program
		Track 11: GIS/CAD/BIM BIM and the Adaptive Design Process
		Track 12: Interdisciplinary/Systems Engineering Creative Partnerships for Water Supply at the McBaine Wetland
4:00 p.m.	4:30 p.m.	**Technical Sessions Group 5**
		Track 1a: HH&C Environmental & Ecosystem Restoration **Track 1b: HH&C Coastal** **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 4-6: Panel on Regional Issues • USACE Climate Focus Group Activities, FY05-07 • Climate Variability Impacts to Seasonal Flood Control Operations • Regional Sediment Management (RSM) Optimization Planning System (RSM-OPS) • RSM: A Systems Approach to Managing Sediment in Coastal, Estuarine and Riverine Environments
		Track 2: Geotech & Materials Engineering A. The design and construction of the Prado Dam embankments, spillway and interior dikes B. Potential Effects of Wetland Fill-Induced Ground Movement on Existing Levees and Residential Structures at the Former Hamilton Army Airfield
		Track 3: Civil Engineering and Transportation The Palau Compact Road Project
		Track 4: Structural Engineering A. Miter Gate Design Revisited B. Comparison of Float-In-Place vs. Cast-In-Place for the IHNC Lock
		Track 5: Dam Safety A. Support to the State of Hawaii on Statewide Dam Visual Conditions Survey B. Risk Communication Strategies
		Track 6: Construction & AE Management Construction of Core-Loc II® Breakwater at Kaumalapau Harbor, Island of Lanai, Hawaii
		Track 7: Mechanical and Electrical A. Grounding of Service Entrance Pad-Mounted Transformers B. Reliability of Nav Lock Mechanical Systems for Lower Monumental Dam Nav Lock Rehabilitation Report
		Track 8: Infrastructure Protection and Security Engineering Risk Assessment and Management Framework for

		Administrative Facilities
		Track 11: GIS/CAD/BIM Building Information Modeling (BIM) for Army Reserve Projects
		Track 12: Interdisciplinary/Systems Engineering Classifying Infrastructure Using Thermal IR Signatures
4:30 p.m.	5:00 p.m.	**Technical Sessions Group 6**
		Track 1a: HH&C Environmental & Ecosystem Restoration **Track 1b: HH&C Coastal** **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 4-6: Panel on Regional Issues • USACE Climate Focus Group Activities, FY05-07 • Climate Variability Impacts to Seasonal Flood Control Operations • Regional Sediment Management (RSM) Optimization Planning System (RSM-OPS) • RSM: A Systems Approach to Managing Sediment in Coastal, Estuarine and Riverine Environments
		Track 2: Geotech & Materials Engineering A. Subsurface Characterization of Headquarters Site at Ft. Riley, Kan. B. Monitored Ground and Sewer Pipeline Response to Loading from Levees Constructed in Soft Bay Mud
		Track 3: Civil Engineering and Transportation Utility Levee Crossings and Uplift Evaluation for Feasibility Level Design for Flood Damage Reduction Projects
		Track 4: Structural Engineering A. Dynamic Instability of Tainter Gates - Recent Developments B. Greenup Lock Extension Project
		Track 5: Dam Safety A. An Application of Simplified Probabilistic Stability Analysis to an Embankment Dam B. Interim Risk Reduction Measures for Wolf Creek Dam
		Track 6: Construction & AE Management Kake Dam: Challenging Construction in Remote Southeast Alaska
		Track 7: Mechanical and Electrical A. Electrical Effects on People, Barges and Tows by an Electric Fish Barrier, Preliminary Results B. Water-Lubricated Axial-Flow Pumps- Ten Years of Success for Jacksonville District
		Track 8: Infrastructure Protection and Security Engineering Implementation of Physical Security Upgrades at USACE Civil Works Projects
		Track 11: GIS/CAD/BIM Using BIM to Manage Change at MSRC
		Track 12: Interdisciplinary/Systems Engineering Managing Infrastructure Assets – A Practical Application of Technology

Wednesday, June 27, 2007		
7:00 a.m.	5:00 p.m.	Registration
7:00 a.m.	8:00 a.m.	Continental Breakfast
8:00 a.m.	8:30 a.m.	**Technical Session Group 7**

Track 1a: HH&C Environmental & Ecosystem Restoration

Sessions 7-9

- Ecohydraulics: Integrating Tools of Engineers with Tools of Ecologists
- Managing the Lake Ontario-St. Lawrence River System for Environmental Benefits
- Hydrologic Modeling of the proposed Florida's EAA Reservoirs for ecosystem restoration
- Demonstration of Regional Watershed Model Calibration and Validation with WASH123D

Track 1b: HH&C Coastal

Sessions 7-9

- Wave and Coastal Observations under the Coastal Field Data Collection Program
- Wave Information Studies 2007
- Wave and Coastal Observations under the Coastal Field Data Collection Program
- Typhoon Inundation in an Island Environment

Track 1c: HH&C Hydrology, Hydraulics & Water Management

A. Forensic Hydrology and Hydraulics Study of Manoa Stream, Oahu, Hawaii
B. Implementing 12 Actions in Regional Water Management

Track 2: Geotech & Materials Engineering

A. Four Deep Mixing Applications for Task Force Guardian
B. Rock Anchors for Dams: Evolution of U.S. Practice over Four Decades

Track 3: Civil Engineering and Transportation

Development of Lightweight Airfield Matting for Expedient Airfield Expansion

Track 4: Structural Engineering

A. Numerical Evaluation of Stress Intensity Factors (KI)
B. Lower Monumental Lock Rehabilitation Study - Structural Analysis

Track 5: Dam Safety

A. Dam-Break Analysis and Emergency Action Plan Development for Ross Barnett Dam and Reservoir
B. Overview of USACE Quantitative Risk Assessment Methodology

		Track 6: Construction & AE Management Design Build Best Practices (Writing Performance Specifications)
		Track 7: Mechanical and Electrical A. The Automation of a Hydropower Plant B. Mechanical Criteria and Training
		Track 8: Infrastructure Protection and Security Engineering A. Scale-Model Studies and Companion Simulations on the Response of Water-Backed Embankment Dams to Explosive Attacks B. Using Powerlines as Communication Media for Electronic Security Systems and Building Automation Systems
		Track 11: GIS/CAD/BIM How Do I Spell BIM and Does It Rhyme With GIS?
		Track 12: Interdisciplinary/Systems Engineering Hurricane Katrina, Unwatering the City of New Orleans
8:30 a.m.	9:00 a.m.	**Technical Sessions Group 8**
		Track 1a: HH&C Environmental & Ecosystem Restoration Sessions 7-9 • Ecohydraulics: Integrating Tools of Engineers with Tools of Ecologists • Managing the Lake Ontario-St. Lawrence River System for Environmental Benefits • Hydrologic Modeling of the proposed Florida's EAA Reservoirs for ecosystem restoration • A Demonstration of Regional Watershed Model Calibration and Validation with WASH123D **Track 1b: HH&C Coastal** Sessions 7-9 • Wave and Coastal Observations under the Coastal Field Data Collection Program • Wave Information Studies 2007 • Wave and Coastal Observations under the Coastal Field Data Collection Program • Typhoon Inundation in an Island Environment **Track 1c: HH&C Hydrology, Hydraulics & Water Management** A. Cibolo Creek, Texas, Watershed Study B. Water Management Trends & Current Risk and Reliability
		Track 2: Geotech & Materials Engineering A. Increase in Shear Modulus Using Jet Grout and Deep Mix Method Ground Improvement Techniques B. Concrete Cut-Offs for Existing Embankment Dams: A Historical Review of U.S. Practice
		Track 3: Civil Engineering and Transportation U.S. Army Railroad Track Infrastructure Assessment Program
		Track 4: Structural Engineering A. A Data Management System for Miter Gate Strain

		Monitoring – Greenup Lock and Dam B. Upper Mississippi Typical Lift-In Monolith Units
		Track 5: Dam Safety A. Water Management under Extreme Hydrological or Unusual Structural Events using an Emergency Action Plan B. Hydraulic Analysis of Dam Failure for Risk Assessments
		Track 6: Construction & AE Management Design Build Best Practices (Writing Performance Specifications)
		Track 7: Mechanical and Electrical A. Condition Monitoring of Lock Structures B. Facility Mechanical Design Using BIM (Building Information Modeling)
		Track 8: Infrastructure Protection and Security Engineering A. Full-Scale Experiments of Explosive Attacks Against Embankment Dams and Levees B. Overhead Protection Structures
		Track 11: GIS/CAD/BIM BIM & GIS Pilot using AutoDesk Revit and ESRI Personal Geodatabases
		Track 12: Interdisciplinary/Systems Engineering Lake Pontchartrain Lakefront Hurricane Protection Improvements from 17th Street Canal to Inner Harbor Navigation Canal
9:00 a.m.	9:30 a.m.	**Technical Sessions Group 9**
		Track 1a: HH&C Environmental & Ecosystem Restoration Sessions 7-9 • Ecohydraulics: Integrating Tools of Engineers with Tools of Ecologists • Managing the Lake Ontario-St. Lawrence River System for Environmental Benefits • Hydrologic Modeling of the proposed Florida's EAA Reservoirs for ecosystem restoration • A Demonstration of Regional Watershed Model Calibration and Validation with WASH123D **Track 1b: HH&C Coastal** Sessions 7-9 • Wave and Coastal Observations under the Coastal Field Data Collection Program • Wave Information Studies 2007 • Wave and Coastal Observations under the Coastal Field Data Collection Program • Typhoon Inundation in an Island Environment **Track 1c: HH&C Hydrology, Hydraulics & Water Management** A. California Reservoir Rule Curves and Climate Change B. Critical Instrumentation Systems for Water Management Operations
		Track 2: Geotech & Materials Engineering

		A. Cost Effective Re-use of Contaminated Soil and Sediment by Solidification/Stabilization Treatment B. Real Time Construction Monitoring and Documentation in Geotechnical Construction
		Track 3: Civil Engineering and Transportation 3-D modeling for earthwork contractors
		Track 4: Structural Engineering A. Design Of Replacement Emergency Bulkheads, Emsworth Dam, Ohio River, Allegheny County, Pennsylvania B. Upper Mississippi River Locks - Transitional Monoliths
		Track 5: Dam Safety A. Roller-Compacted Concrete for Dam Rehabilitation and New Gravity Dams B. Estimating Probability of Extreme Events
		Track 6: Construction & AE Management MT Centers of Standardization
		Track 7: Mechanical and Electrical A. Remote Operation and Monitoring of Multiple Pump Stations B. Putting Your UMCS on the LAN: The Challenge to Provide Networthiness Documentation to the DOIM
		Track 8: Infrastructure Protection and Security Engineering A. Vulnerability of Navigation Lock Walls to Waterside Attack B. Update on Installation Access Control
		Track 11: GIS/CAD/BIM BIM/GIS Interoperability: Information Systems for Building Models
		Track 12: Interdisciplinary/Systems Engineering Multidiscipline Approach in Designing Sector Gates
9:30 a.m.	10:30 a.m.	**Networking Break in Exhibit Hall**
10:30 a.m.	11:00 a.m.	**Technical Sessions Group 10** **Track 1a: HH&C Environmental & Ecosystem Restoration** Sessions 10-12 • Mississippi River Water Level Management in Pools 5 & 8 • Preventing Overtopping Damage to EMP and HREP Protective Levees with ACM Overflow Spillways • Engineering Backwaters of Large River Systems for Improved Nitrogen Processing • Development of Unsaturated-zone Leaching and Saturated-zone Mixing Model **Track 1b: HH&C Coastal** • USACE Airborne Coastal Mapping to Support Regional Sediment Management **Track 1c: HH&C Hydrology, Hydraulics & Water Management**

		Sessions 10–12 A: • Sacramento River Bank and Levee Erosion Protection • "I Want My Levee Raised To The 100-Year Or Above To Get Certification" • Developing a FEMA Floodway for the Missouri River • Levee Assessment Methodology Hydrology & Hydraulics B: • USACE Water Resources Gaging Program: The Need for a Regionalized Approach • Accessing "real-time" Mississippi Valley water level information through the use of www.RiverGages.com • CWMS Exposure in LRL • Hydrologic Modeling Using Microsoft EXCEL and Visual Basic for Applications
		Track 2: Geotech & Materials Engineering A. Design and Construction of Drilled Shafts in an Urban Environment B. Armoring Large Reservoirs with Soil-Cement
		Track 3: Civil Engineering and Transportation Geophysical Tools for Underground Utility and Infrastructure Assessment
		Track 4: Structural Engineering A. Maintenance-Friendly Lock Gate Design with Interchangeable Parts B. McAlpine Lock Replacement Project, Project Summary And Status Of Construction
		Track 5: Dam Safety A. Waterbury Dam - Secant Pile Cutoff Construction for Seepage Control B. How Geology and Construction History Impacts Risk Based Assessment of Dams.
		Track 6: Construction & AE Management QA/QC and I-Code Training for MILCON Transformation
		Track 7: Mechanical and Electrical A. Improved Mechanical and Electrical Reliability Models for Major Rehabilitation of Navigation Projects B. BACNet and LonWorks Technology Comparison and Status
		Track 8: Infrastructure Protection and Security Engineering A. Use of High-Speed Power Line Communications for Inter-Structure Connectivity in Security Applications B. Update on the Application of Steel Studs in Blast Environments
		Track 11: GIS/CAD/BIM Integrating of Building Information Modeling Process with Geospatial Analysis Tools.
		Track 12: Interdisciplinary/Systems Engineering Implementation of Real-time Grouting Decisions to Counter Dam Foundation/Abutment Problems in Karst Terrain
11:00 a.m.	11:30 a.m.	**Technical Sessions Group 11**

		Track 1a: HH&C Environmental & Ecosystem Restoration Sessions 10-12 • Mississippi River Water Level Management in Pools 5 & 8 • Preventing Overtopping Damage to EMP and HREP Protective Levees with ACM Overflow Spillways • Engineering Backwaters of Large River Systems for Improved Nitrogen Processing • Development of Unsaturated-zone Leaching and Saturated-zone Mixing Model **Track 1b: HH&C Coastal** • National Coastal Databank **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 10 – 12 A: • Sacramento River Bank and Levee Erosion Protection • "I Want My Levee Raised To The 100-Year Or Above To Get Certification" • Developing a FEMA Floodway for the Missouri River • Levee Assessment Methodology Hydrology & Hydraulics B: • USACE Water Resources Gaging Program: The Need for a Regionalized Approach • Accessing "real-time" Mississippi Valley water level information through the use of www.RiverGages.com • CWMS Exposure in LRL • Hydrologic Modeling Using Microsoft EXCEL and Visual Basic for Applications
		Track 2: Geotech & Materials Engineering A. Construction Quality Control and Monitoring of Drilled Shaft Installation in an Urban Environment B. Challenges of the Chickamauga Cofferdam
		Track 3: Civil Engineering and Transportation Winter Work at the Soo Locks 2007
		Track 4: Structural Engineering A. Old Hickory Dam Tainter Gate Integrated Investigation & Repair B. Stabilization of Existing Lock Walls for Construction of New Middle Wall at Charleroi Lock, Monongahela River, Charleroi, Pa.
		Track 5: Dam Safety A. Tuttle Creek Dam Test Program For Jet Grouting And Deep Soil Mixing B. Dam Portfolio Risk Assessment Toolbox for Piping and Seepage
		Track 6: Construction & AE Management EMP Pool 11 Islands Design and Construction
		Track 7: Mechanical and Electrical A. Inspection of Mechanical and Electrical Equipment for Levees

		B. LonWorks System Planning **Track 8: Infrastructure Protection and Security Engineering** A. Development of a Blast Vulnerability Assessment Tool for Water Resource Infrastructure Applications B. Performance of Full-Scale Barracks to Blast Loading **Track 11: GIS/CAD/BIM** Innovative Project Management Techniques Using GIS **Track 12: Interdisciplinary/Systems Engineering** It's Not Easy Being Green – Sustainable Design/LEED Strategies, Tools and Lessons Learned in Savannah, Ga.
11:30 a.m.	12:00 p.m.	**Technical Sessions Group 12** **Track 1a: HH&C Environmental & Ecosystem Restoration** Sessions 10-12 • Mississippi River Water Level Management in Pools 5 & 8 • Preventing Overtopping Damage to EMP and HREP Protective Levees with ACM Overflow Spillways • Engineering Backwaters of Large River Systems for Improved Nitrogen Processing • Development of Unsaturated-zone Leaching and Saturated-zone Mixing Model **Track 1b: HH&C Coastal** • Coastal Engineering Project Analysis Using Long-Term Morphologic Change Data **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 10 – 12 A: • Sacramento River Bank and Levee Erosion Protection • "I Want My Levee Raised To The 100-Year Or Above To Get Certification" • Developing a FEMA Floodway for the Missouri River • Levee Assessment Methodology Hydrology & Hydraulics B: • USACE Water Resources Gaging Program: The Need for a Regionalized Approach • Accessing "real-time" Mississippi Valley water level information through the use of www.RiverGages.com • CWMS Exposure in LRL • Hydrologic Modeling Using Microsoft EXCEL and Visual Basic for Applications **Track 2: Geotech & Materials Engineering** A. Design, Remediation, and Evaluation of Rock-Socketed Drilled Shafts in Karstic Limestone, Kentucky Lock Project B. Geotechnical and Dam Safety Monitoring During the Draw-down and Rewatering of a Pumped Storage Project **Track 3: Civil Engineering and Transportation**

		Soo Locks Recapitalization and Modernization Plan
		Track 4: Structural Engineering A. Remote Monitoring to Evaluate Structural Integrity of Tainter Gate Anchorage Systems from Changing Reservoir Levels B. Chickamauga Lock Segmental Landward Cofferdam
		Track 5: Dam Safety A. Rough River Dam Safety Repairs: Spillway Remediation and Rock Toe Repair B. Erosion Stability Analysis of Spillways: A Computational Approach
		Track 6: Construction & AE Management The Benefits of Tilt-up Construction for the Military Transformation Program
		Track 7: Mechanical and Electrical A. Procurement Strategies for Small and Large Pumping System Equipment B. Open Systems DDC Implementation: How to Meet the Challenge to Integrate Multiple Vendor Building Systems
		Track 8: Infrastructure Protection and Security Engineering A. Blast Load Simulator Applications in Blast Effects Research B. Blast Protection of Mission Critical Infrastructure Facilities
		Track 11: GIS/CAD/BIM Real Property, Real Estate and Cadastral Mapping: A Lifecycle Management Solution for Class 1 Assets
		Track 12: Interdisciplinary/Systems Engineering Oregon State Prepares for the Big One: Senate Bill #2-Rapid Visual Screening Critical Input for Seismic Needs Assessment
12:00 p.m.	1:00 p.m.	**Luncheon Buffet in Exhibit Hall**
1:00 p.m.	1:30 p.m.	**Technical Sessions Group 13**

		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 13-15 • Hydraulically based aquatic structure design using agent based models • Forecasting the Movement of Fish at Instream Structures during Project Design • Identifying Behavioral Trends of Fish in Tailwater Areas of the Upper Mississippi River • Hydraulic Study of Fish Passage Alternatives at Mississippi River Lock and Dam No. 22 **Track 1b: HH&C Coastal** Sessions 13-15 • Implementing Regional Sediment Management to Sustain Navigation at an Energetic Tidal Inlet • An Innovative "Super-Regional" Resource Management Initiative - California Coastal Sediment Master Plan • Application of Regional Sediment Management Techniques at New Pass and Big Sarasota Pass, on the Gulf Coast of Florida. • Beneficial Reuse of Dredged Sediment - Erie Pier Dredged Material Placement Facility **Track 1c: HH&C Hydrology, Hydraulics & Water Management** A. New Guidance for USACE NFIP Levee Certification Determinations B. Review of the Regulation of Outflows from Lake Superior
		Track 2: Geotech & Materials Engineering A. Engineering Geology Design Challenges at the Soo Lock Replacement Project B. A Simplified Tool for Assessing the Deformation of Embankment Dams and Levees on Liquefied Soils
		Track 4: Structural Engineering A. Structural Load Experiments to Evaluate Structural Integrity of Tainter Gate Anchorage Systems B. Marmet Lock Upper Guide & Guard Wall Post-tensioned Concrete Box Beams
		Track 5: Dam Safety A. Increase in Seismic Hazard at Isabella Dam, California - The Kern Canyon Fault

		B. PRA Seismic Deformation Module
		Track 6: Construction & AE Management Army Future Directions in Sustainable Rating Tools: LEED® EB, LEED® ND, LEED® H and LEED® 3.0
		Track 7: Mechanical and Electrical A. Cathodic Protection for Above Ground Storage Tanks B. R-22 Phase Out: Facts for a Smooth Transition
		Track 8: Infrastructure Protection and Security Engineering A. Numerical Modeling of Blast Effects B. The Security Engineering Series of United Facilities Criteria
		Track 11: GIS/CAD/BIM Building the Mississippi River Lock 22 BIM in Projectwise
		Track 12: Interdisciplinary/Systems Engineering The Environmental Design Handbook: 20 Years of Habitat Restoration Experience on the Upper Mississippi River System
1:30 p.m.	2:00 p.m.	**Technical Sessions Group 14**
		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 13-15 • Hydraulically based aquatic structure design using agent based models • Forecasting the Movement of Fish at Instream Structures during Project Design • Identifying Behavioral Trends of Fish in Tailwater Areas of the Upper Mississippi River • Hydraulic Study of Fish Passage Alternatives at Mississippi River Lock and Dam No. 22 **Track 1b: HH&C Coastal** Sessions 13-15 • Implementing Regional Sediment Management to Sustain Navigation at an Energetic Tidal Inlet • An Innovative "Super-Regional" Resource Management Initiative - California Coastal Sediment Master Plan • Application of Regional Sediment Management Techniques at New Pass and Big Sarasota Pass, on the Gulf Coast of Florida. • Beneficial Reuse of Dredged Sediment - Erie Pier Dredged Material Placement Facility **Track 1c: HH&C Hydrology, Hydraulics & Water Management** A. Hydraulic Modeling of Hurricane Katrina in the New Orleans Metro Area B. Predicting Net Basin Supplies to Produce a Six-Month Great Lakes Water-Level Forecast
		Track 2: Geotech & Materials Engineering A. Excavation and Close-in Blasting Adjacent to Existing Critical Dam Structures: Rock Support Design B. Part I - Earth Pressures in Confined Cohesionless

		Backfill against Tall Rigid Lock Walls - Instrumentation Overview, Installation Procedures and Filtering of Temperature Effects.
		Track 4: Structural Engineering A. Montgomery Dam Lift Gate Evaluation and Rehabilitation B. Howard Hanson Additional Water Storage and Fish Passage Restoration Project, Green River, Washington
		Track 5: Dam Safety A. Soil Cement Rehabilitation of McMicken Dam: Case Study of Flood ControlDam in Earth Fissure Risk Zone B. Overtopping Toolbox
		Track 6: Construction & AE Management LEED® in the Field - Lessons Learned
		Track 7: Mechanical and Electrical A. Ice Free Cathodic Protection Systems for Elevated Water Storage Tanks in Cold Climates B. R-22 Phase Out: Facts for a Smooth Transition
		Track 8: Infrastructure Protection and Security Engineering A. Modeling of Blast Effects and Mitigation Strategies for the Department of State B. The DOD Security Engineering Facilities Planning Manual
		Track 11: GIS/CAD/BIM Building the Virtual Enterprise: USACE Approach to Engineering Data Management Standardization
		Track 12: Interdisciplinary/Systems Engineering Upper Mississippi River Habitat Restoration: Projects & Lessons Learned
2:00 p.m.	2:30 p.m.	**Technical Sessions Group 15**
		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 13-15 • Hydraulically based aquatic structure design using agent based models • Forecasting the Movement of Fish at Instream Structures during Project Design • Identifying Behavioral Trends of Fish in Tailwater Areas of the Upper Mississippi River • Hydraulic Study of Fish Passage Alternatives at Mississippi River Lock and Dam No. 22 **Track 1b: HH&C Coastal** Sessions 13-15 • Implementing Regional Sediment Management to Sustain Navigation at an Energetic Tidal Inlet • An Innovative "Super-Regional" Resource Management Initiative—California Coastal Sediment Master Plan • Application of Regional Sediment Management Techniques at New Pass and Big Sarasota Pass, on the Gulf Coast of Florida. • Beneficial Reuse of Dredged Sediment - Erie Pier

		Dredged Material Placement Facility **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 13-15 A. Hydraulic Support for Hurricane Katrina Unwatering of New Orleans B. USACE Lake Winnebago/Fox-Wolf Basin Team - Success Through Listening
		Track 2: Geotech & Materials Engineering A. McAlpine Lock Replacement—Lessons on Blasting Practices, Rock Foundations and In-Situ Stress. B. Part II - Earth Pressures in Confined Cohesionless Backfill Against Tall Rigid Lock Walls—Soil Arching, Vertical Shear, Compaction and Environmental Effects.
		Track 4: Structural Engineering A. The Importance of Dynamic Analysis B. Hurricane Recovery: Design and Construction of the New Orleans Interim Closure Structures and Pump Platforms
		Track 5: Dam Safety A. Evaluation of Rehabilitation and Replacement Alternatives for Spillway Gates at Spaulding Dam, Springfield, Ill. B. Unlined Spillway Erosion Risk Module
		Track 6: Construction & AE Management Performance evaluations - How to make the systems work for you
		Track 7: Mechanical and Electrical A. Cathodic Protection as a Means to Protect Our Nation's Infrastructure B. Green Chemical Treatments for Heating and Cooling Systems
		Track 8: Infrastructure Protection and Security Engineering A. Integrating the Common Access Card (CAC) with Access Control Systems B. Revision of Army TM 5-1300/NAVFAC P-397/AFR 88-22 "Structures to Resist the Effects of Accidental Explosions"
		Track 11: GIS/CAD/BIM Testing an Interoperable Solution to Support CAD/GIS Workflow
		Track 12: Interdisciplinary/Systems Engineering Ott-Story Groundwater Treatment Facility: A Superfund Success Story
2:30 p.m.	3:30 p.m.	**Networking Break in Exhibit**
3:30 p.m.	4:00 p.m.	**Technical Sessions Group 16**
		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 16-18

		• Osage Lock & Dam #1 Planned Modification for Fish Passage • Wetland Hydrologic Modeling and Analysis for Langdon Bend Site near Missouri River • Bonneville Dam 2nd Powerhouse Corner Collector PIT Tag Detection System • Improving Simulation Reliability During Hydro-Environmental Modeling Processes-A Computational Intelligent Approach **Track 1b: HH&C Coastal** Sessions 16-18 • Ocean Surfing and Corps Projects: Lessons Learned and Steps Forward; insight into the surfing community's complaints against beach fill projects - are they legitimate? **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 16-18 A: • Analysis of Existing Stream bank Protection Measures & Development of Design Criteria • Engineering a Replacement Fish Trap and Barrier Dam on the White River near Buckley, Wash. • Damage Investigation And Rehabilitation Of The Regulating Outlet Works Tunnel Floor Damage • Spillway Deflectors on a High-Head Dam: Hydraulic Engineering Challenges at Chief Joseph Dam B: • Real-Time Modeling of the Missouri, Mississippi and Illinois Rivers
		Track 2: Geotech & Materials Engineering A. Lake Red Rock Visitor Center: Foundation Underpinning and Slab Lifting B. Martin KY Retaining Wall: Design and Construction Challenges
		Track 4: Structural Engineering A. Louisville's Big 4 Bridge. From 1900s Engineering Railroad Marvel to Present Day Pedestrian Record Breaker. B. Investigation and Rehabilitation Of The Regulating Outlet Works Tunnel Floor Damage
		Track 5: Dam Safety A. East Branch Dam Seepage Case History, Elk County, Pennsylvania B. Overview of Structural Modules for Flood Control Dams
		Track 6: Construction & AE Management Maintenance and Repair of Great Lakes Navigation Structures
		Track 7: Mechanical and Electrical A. Sensors to Improve Corrosion Control and Water Quality in Water Distribution Systems B. HVAC Testing, Air Balancing and Commissioning

		Track 8: Infrastructure Protection and Security Engineering A. Intrusion Detection Systems (IDS) Data Transmission over Local Area Networks B. Window Glazing Applications in Blast Environments
		Track 11: GIS/CAD/BIM Building Information Modeling Benefit - Cost Estimating
		Track 12: Interdisciplinary/Systems Engineering The Right Stuff: Project Design in a Complex World
4:00 p.m.	4:30 p.m.	**Technical Sessions Group 17**
		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 16-18 • Osage Lock & Dam #1 Planned Modification for Fish Passage • Wetland Hydrologic Modeling and Analysis for Langdon Bend Site near Missouri River • Bonneville Dam 2nd Powerhouse Corner Collector PIT Tag Detection System • Improving Simulation Reliability During Hydro-Environmental Modeling Processes-A Computational Intelligent Approach **Track 1b: HH&C Coastal** Sessions 16-18 • Ocean Surfing and Corps Projects: Lessons Learned and Steps Forward; insight into the surfing community's complaints against beach fill projects - are they legitimate? **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 16-18 A: • Analysis of Existing Stream bank Protection Measures & Development of Design Criteria • Engineering a Replacement Fish Trap and Barrier Dam on the White River near Buckley, Wash. • Damage Investigation And Rehabilitation Of The Regulating Outlet Works Tunnel Floor Damage • Spillway Deflectors on a High-Head Dam: Hydraulic Engineering Challenges at Chief Joseph Dam B: • Implementation of an Interim Operation Plan to Support Endangered and Threatened Species on the Apalachicola River
		Track 2: Geotech & Materials Engineering A. Failure of Residential Building Basements in Amherst, N.Y. B. The Upper Rouge Tunnel: Geotechnical Challenges of Rock Tunneling in Southeast Michigan
		Track 4: Structural Engineering A. Chesapeake City Bridge Floorbeam to Tie Girder Connection Angle Cracking

		B. New Innovative Tools for Predicting and Optimizing the Extension of Service Life for Critical Concrete Infrastructure
		Track 5: Dam Safety A. Snake Creek Embankment Underseepage Concerns, Lake Audubon, N.D. B. Generation of Fragility Curves for Concrete Gravity Dams
		Track 6: Construction & AE Management Sault Ste. Marie U.S. Border Station
		Track 7: Mechanical and Electrical A. Corrosion Prevention of Assets Stored in Earth Covered Magazines Using Electro-Osmotic Pulse Technology B. HVAC Testing, Air Balancing and Commissioning
		Track 8: Infrastructure Protection and Security Engineering A. Deploying State-of-the-Art Wireless Networks for Electronic Security Systems and Building Automation Systems B. The Use of BIRM3D for Evaluation of Vehicle Crash Barriers
		Track 11: GIS/CAD/BIM Building Information Modeling –Understanding the Industrial Foundation Class
		Track 12: Interdisciplinary/Systems Engineering Sustainable Building Materials for the Prevention of Corrosion
4:30 p.m.	5:00 p.m.	**Technical Sessions Group 18**
		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 16-18 • Osage Lock & Dam #1 Planned Modification for Fish Passage • Wetland Hydrologic Modeling and Analysis for Langdon Bend Site near Missouri River • Bonneville Dam 2nd Powerhouse Corner Collector PIT Tag Detection System • Improving Simulation Reliability During Hydro-Environmental Modeling Processes-A Computational Intelligent Approach **Track 1b: HH&C Coastal** Sessions 16-18 • Ocean Surfing and Corps Projects: Lessons Learned and Steps Forward; insight into the surfing community's complaints against beach fill projects - are they legitimate? **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 16-18 A: • Analysis of Existing Stream bank Protection Measures & Development of Design Criteria

		• Engineering a Replacement Fish Trap and Barrier Dam on the White River near Buckley, Wash. • Damage Investigation And Rehabilitation Of The Regulating Outlet Works Tunnel Floor Damage • Spillway Deflectors on a High-Head Dam: Hydraulic Engineering Challenges at Chief Joseph Dam B: • Real-Time Modeling Missouri River Basin
		Track 2: Geotech & Materials Engineering A. Building on Shaky Ground - Dredged Material Management Challenges in Buffalo District B. Unconventional Installation Methods for 14 Underwater Inclined Rock Anchors, Monongahela River L/D #4
		Track 4: Structural Engineering Fatigue Analysis of Moveable Bridges
		Track 5: Dam Safety A. Hydrodetect: Fiber Optics Based Early Warning and Monitoring System for Dikes and Dams B. Structural Modules for Navigation Dams
		Track 6: Construction & AE Management Water Quality Monitoring Networks for USACE Construction Projects
		Track 7: Mechanical and Electrical A. Low Heat Transfer Coatings B. Lessons Learned from Modeling and Simulation of Airflow and Airborne Contaminant Dispersion in Buildings
		Track 8: Infrastructure Protection and Security Engineering A. A Look at Keyless Entry vs. Automated Access Control Systems B. Single Degree of Freedom Blast Effects Design Spreadsheets (SBEDS)
		Track 11: GIS/CAD/BIM Development Of BIM Contract Language And Why It Matters
		Track 12: Interdisciplinary/Systems Engineering New Guidance for USACE NFIP Levee Certification Determinations

Thursday, June 28, 2007		
7:00 a.m.	5:00 p.m.	Registration
7:00 a.m.	8:00 a.m.	Continental Breakfast
8:00 a.m.	8:30 a.m.	**Technical Session Group 19**
		Track 1: HH&C Environmental & Ecosystem Restoration Sessions 19-21 • Design of Tide gates and Other Water Control Structures for

Ecosystem Restoration Projects in an Estuarine Environment
- Techniques used in Constructing a Tidal Marsh in Jamaica Bay, New York
- Ice Impacts on stream bank stabilization and river restoration structures
- Successes and challenges experienced designing and constructing timber pile anchored engineered logjams on a course alluvial bed river in Washington State

Track 1: HH&C Coastal

Sessions 19-21

- Performance of Low-Volume Beach Nourishment with Clay-Cored Dunes in Jefferson County, Texas
- Shishmaref Erosion Protection
- Hurricane Barriers in New England, a Historical Review
- Bio Engineering Solution for Shoreline Erosion-29402

Track 1c: HH&C Hydrology, Hydraulics & Water Management

Sessions 19-21

A:

- Assessing Flood Risk in Rivers Affected by Sedimentation, Cowlitz River, Wash.
- HEC-6T Sediment Modeling of the Atchafalaya River Basin, La.
- Modeling Sediment Yield and Flow in a Rapidly Urbanizing Watershed
- Investigation of Sediment Bed Load using Dredging Vessels

B:

- Snow Information Management in the Corps of Engineers
- Improving the Accuracy of Operational River Models Using Data Assimilation
- Flood Fighting Structures Demonstration and Evaluation Program - Testing of Temporary, Barrier Type Flood Fighting Technologies
- Benefits of using ROVs to Inspect Corps Navigation Structures

Track 2: Geotech & Materials Engineering

A. Geology of the New Orleans Area and Its Impact on Levee Performance during Hurricane Katrina

B. Arkabutla Dam Outlet Conduit - Methods Used To Seal Monolith Joints Against Loss Of Foundation Materials since 2003

Track 4: Structural Engineering

Special Inspections and Quality Assurance

Track 5: Dam Safety

A. Acoustic Measurement of Tension in Steel Dam

B. Fault Tree Methodology for Gate Mechanical/Electrical Equipment at Flood Control Projects

Track 6: Construction & AE Management

Sustainable Design and Development (SDD) for Construction Managers: What do they need to know?

Track 7: Mechanical and Electrical

A. EPACT 2005

Track 8: Infrastructure Protection and Security Engineering

Security Engineering Planning Assistant Workbook (SEPAW)

		Track 11: GIS/CAD/BIM HQ Enterprise GIS Overview
		Track 12: Interdisciplinary/Systems Engineering USAF Infrastructure Investment Planning
		Workshop – Discussion (feedback) on new EC for I-Walls
8:30 a.m.	9:00 a.m.	**Technical Sessions Group 20**
		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 19-21 • Design of Tide gates and Other Water Control Structures for Ecosystem Restoration Projects in an Estuarine Environment • Techniques used in Constructing a Tidal Marsh in Jamaica Bay, New York • Ice Impacts on stream bank stabilization and river restoration structures • Successes and challenges experienced designing and constructing timber pile anchored engineered logjams on a course alluvial bed river in Washington State **Track 1b: HH&C Coastal** Sessions 19-21 • Performance of Low-Volume Beach Nourishment with Clay-Cored Dunes in Jefferson County, Texas • Shishmaref Erosion Protection • Hurricane Barriers in New England, a Historical Review • Bio Engineering Solution for Shoreline Erosion-29402 **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 19-21 A: • Assessing Flood Risk in Rivers Affected by Sedimentation, Cowlitz River, Wash. • HEC-6T Sediment Modeling of the Atchafalaya River Basin, La. • Modeling Sediment Yield and Flow in a Rapidly Urbanizing Watershed • Investigation of Sediment Bed Load using Dredging Vessels B: • Snow Information Management in the Corps of Engineers • Improving the Accuracy of Operational River Models Using Data Assimilation • Flood Fighting Structures Demonstration and Evaluation Program - Testing of Temporary, Barrier Type Flood Fighting Technologies • Benefits of using ROVs to Inspect Corps Navigation Structures
		Track 2: Geotech & Materials Engineering A. Hurricane Katrina impacts to New Orleans Flood Protection Systems, and geotechnical designs issues and construction challenges during Task Force Guardian B. Using innovation and investigation to provide successful concrete placement at Marmet Lock Addition project.
		Track 4: Structural Engineering

		Design and Investigation of FRP Connectors for Seismic Rehabilitation of Concrete Bleachers
		Track 5: Dam Safety A. Acoustic NDT for Service Life Prediction of Reinforced Concrete Structures B. Estimating Loss of Life and Economic Consequences for Risk Assessment
		Track 6: Construction & AE Management Sustainable Design and Development (SDD) for Construction Managers: What do they need to know?
		Track 7: Mechanical and Electrical A. Metering
		Track 8: Infrastructure Protection and Security Engineering Component Explosive Damage Assessment Workbook (CEDAW)
		Track 11: GIS/CAD/BIM Enterprise GIS can transform Communities of Practice
		Track 12: Interdisciplinary/Systems Engineering Army Utilities Modernization Program Overview for FY08 to FY13
		Workshop – Discussion (feedback) on new EC for I-Walls
9:00 a.m.	9:30 a.m.	**Technical Sessions Group 21**
		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 19-21 • Design of Tide gates and Other Water Control Structures for Ecosystem Restoration Projects in an Estuarine Environment • Techniques used in Constructing a Tidal Marsh in Jamaica Bay, New York • Ice Impacts on stream bank stabilization and river restoration structures • Successes and challenges experienced designing and constructing timber pile anchored engineered logjams on a course alluvial bed river in Washington State **Track 1b: HH&C Coastal** Sessions 19-21 • Performance of Low-Volume Beach Nourishment with Clay-Cored Dunes in Jefferson County, Texas • Shishmaref Erosion Protection • Hurricane Barriers in New England, a Historical Review • Bio Engineering Solution for Shoreline Erosion-29402 **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 19-21 A: • Assessing Flood Risk in Rivers Affected by Sedimentation, Cowlitz River, Wash. • HEC-6T Sediment Modeling of the Atchafalaya River Basin, La. • Modeling Sediment Yield and Flow in a Rapidly Urbanizing Watershed • Investigation of Sediment Bed Load using Dredging Vessels B: • Snow Information Management in the

		Corps of Engineers • Improving the Accuracy of Operational River Models Using Data Assimilation • Flood Fighting Structures Demonstration and Evaluation Program - Testing of Temporary, Barrier Type Flood Fighting Technologies • Benefits of using ROVs to Inspect Corps Navigation Structures
		Track 2: Geotech & Materials Engineering A. Katrina impacts to NO Flood Protection and geotechnical and construction challenges to restore Flood Protection B. Seismic Measurement of Portland Cement Concrete Surfaces as an Alternative to Concrete Coring
		Track 4: Structural Engineering Hurricane Katrina - Residential Structural Safety Assessment Inspection Training for City of New Orleans
		Track 5: Dam Safety A. Seismic Deformation Analysis of Embankment Dams B. Non-Structural Interim Risk Reduction Measures for Dam Safety
		Track 6: Construction & AE Management Sustainable Design and Development (SDD) for Construction Managers: What do they need to know?
		Track 7: Mechanical and Electrical A. Rules of Thumb in Energy Construction Design
		Track 8: Infrastructure Protection and Security Engineering Equivalent Static Blast Design
		Track 11: GIS/CAD/BIM The National Levee Database
		Workshop – Discussion (feedback) on new EC for I-Walls
9:30 a.m.	10:30 a.m.	**Networking Break in Exhibit**
10:30 a.m.	11:00 a.m.	**Technical Sessions Group 22**
		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 22-24 • Comparison of Erosional Processes on the Amite and Comite Rivers, Southwest Mississippi, Hattiesburg, Miss. • Urban Flood Damage Reduction and Channel Restoration in Arid and Semi-Arid Regions: Demonstration Programs • The San Antonio River Mission Reach - Ecosystem Restoration in an Urban Flood Damage Reduction Channel • Using WASH123D for South Florida Aquifer Storage and Recovery Study - Phase I Modeling **Track 1b: HH&C Coastal** Sessions 22-24 • Critical Coastal Navigation Infrastructure - Preliminary Inventory • Great Lakes Harbor Structures: An Historic Overview of their Materials and Construction Techniques

		• Wave Absorber Design and Construction on the Great Lakes • Great Lakes Armor Stone Modeling Study and Great Lakes Armor Stone **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 22-24 A: • Construction Issues with Marmet Hybrid Filling and Emptying System Design. • 2-D hydrodynamic modeling, using ADH, Navigation and Ecosystem Sustainability Program-Upper Mississippi River System • Navigation Model Studies, Lock & Dam 25, Mississippi River • Real Time Current Measurement Proof of Concept B: • Watershed and Sediment Transport Model Automated Calibration: Concepts and Examples • Example Application of Sediment Impact Analysis Methods (SIa.m.) Model • Hydrologic Modeling System (HEC-HMS) New Structures and Sediment Capabilities • New Features of HEC-RAS 4.0
		Track 2: Geotech & Materials Engineering A. USACE I-Wall Investigations B. Roller Compacted Concrete: What, Why, How and How not to Use It Part I and Part II
		Track 4: Structural Engineering Structural Safety Assessment Team Deployment for Katrina/Rita Recovery Efforts
		Track 5: Dam Safety A. Canton Dam Design, Instrumentation and Construction—North Canadian River, Blain County, Oklahoma B. Portfolio Risk Assessment of Dams Process - Databases, GIS, Software, and Their Interaction
		Track 6: Construction & AE Management Sustainable Design and Development (SDD) for Construction Managers: What do they need to know?
		Track 7: Mechanical and Electrical A. Energy Efficient Retrofits in Government Buildings B. Lock 19, Major Rehabilitation Stage II, Hydraulic Commissioning and Installation Challenges
		Track 8: Infrastructure Protection and Security Engineering PDC TR 06-08 Single Degree of Freedom Structural Response Limit for Anti-Terrorism Design
		Track 11: GIS/CAD/BIM Comprehensive Evaluation of Project Vertical Datums
		Workshop – Discussion (feedback) on new ER for Minimum Safety Requirements for Local Flood Damage Reduction Projects
11:00 a.m.	11:30 a.m.	**Technical Sessions Group 23**
		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 22-24 • Comparison of Erosional Processes on the Amite and Comite Rivers, Southwest Mississippi, Hattiesburg, MS, USA

		• Urban Flood Damage Reduction and Channel Restoration in Arid and Semi-Arid Regions: Demonstration Programs • The San Antonio River Mission Reach - Ecosystem Restoration in an Urban Flood Damage Reduction Channel • Using WASH123D for South Florida Aquifer Storage and Recovery Study - Phase I Modeling **Track 1b: HH&C Coastal** Sessions 22-24 • Critical Coastal Navigation Infrastructure - Preliminary Inventory • Great Lakes Harbor Structures: An Historic Overview of their Materials and Construction Techniques • Wave Absorber Design and Construction on the Great Lakes • Great Lakes Armor Stone Modeling Study and Great Lakes Armor Stone **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 22-24 A: • Construction Issues with Marmet Hybrid Filling and Emptying System Design. • 2-D hydrodynamic modeling, using ADH, Navigation and Ecosystem Sustainability Program- Upper Mississippi River System • Navigation Model Studies, Lock & Dam 25, Mississippi River • Real Time Current Measurement Proof of Concept B: • Watershed and Sediment Transport Model Automated Calibration: Concepts and Examples • Example Application of Sediment Impact Analysis Methods (SIa.m.) Model • Hydrologic Modeling System (HEC-HMS) New Structures and Sediment Capabilities • New Features of HEC-RAS 4.0
		Track 2: Geotech & Materials Engineering A. London Ave Single Site Cantilever Floodwall Load Test B. Roller-Compacted Concrete Pavements: The Latest Developments
		Track 4: Structural Engineering Seismic Evaluation of Existing Buildings per ASCE 31-03.
		Track 5: Dam Safety A. Efficient Management System of Dam Safety Instrumentation and Monitoring Data—A Case Study B. Periodic Assessments - A New Methodology for Inspection of Army Corps of Engineers Dam Inventory.
		Track 6: Construction & AE Management Sustainable Design and Development (SDD) for Construction Managers. What do they need to know?
		Track 7: Mechanical and Electrical A. EPACT 2005 Baseline Study B. Olmstead Locks Overhead Bulkheads and Machinery
		Track 8: Infrastructure Protection and Security Engineering Practical Blast Effects Analysis and Design
		Track 11: GIS/CAD/BIM

		Comprehensive Evaluation of Project Vertical Datums
		Workshop – Discussion (feedback) on new ER for Minimum Safety Requirements for Local Flood Damage Reduction Projects
11:30 a.m.	12:00 a.m.	**Technical Sessions Group 24**
		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 22-24 • Comparison of Erosional Processes on the Amite and Comite Rivers, Southwest Mississippi, Hattiesburg, MS, USA • Urban Flood Damage Reduction and Channel Restoration in Arid and Semi-Arid Regions: Demonstration Programs • The San Antonio River Mission Reach - Ecosystem Restoration in an Urban Flood Damage Reduction Channel • Using WASH123D for South Florida Aquifer Storage and Recovery Study - Phase I Modeling **Track 1b: HH&C Coastal** Sessions 22-24 • Critical Coastal Navigation Infrastructure - Preliminary Inventory • Great Lakes Harbor Structures: An Historic Overview of their Materials and Construction Techniques • Wave Absorber Design and Construction on the Great Lakes • Great Lakes Armor Stone Modeling Study and Great Lakes Armor Stone **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 22-24 A: • Construction Issues with Marmet Hybrid Filling and Emptying System Design. • 2-D hydrodynamic modeling, using ADH, Navigation and Ecosystem Sustainability Program- Upper Mississippi River System • Navigation Model Studies, Lock & Dam 25, Mississippi River • Real Time Current Measurement Proof of Concept B: • Watershed and Sediment Transport Model Automated Calibration: Concepts and Examples • Example Application of Sediment Impact Analysis Methods (SIa.m.) Model • Hydrologic Modeling System (HEC-HMS) New Structures and Sediment Capabilities • New Features of HEC-RAS 4.0
		Track 2: Geotech & Materials Engineering A. Soil Structure Interaction and Load Transfer Mechanism of Pile Supported T-Walls in New Orleans, La. B. Non-Technical Factors Related to the Olmsted Gate Storage Facility Foundation Claim
		Track 4: Structural Engineering Improved QA Information Management for Facilities Painting Projects - DOD funded Joint Navy Army Initiative
		Track 5: Dam Safety A. Excavation and Close-in Blasting Adjacent to Existing Critical Dam Structures: Instrumentation Design and Results B. Levee Safety Program

		Track 6: Construction & AE Management Sustainable Design and Development (SDD) for Construction Managers: What do they need to know?
		Track 7: Mechanical and Electrical A. Barracks Retrofit Study B. Pump Stations Protect Grand Forks and East Grand Forks
		Track 8: Infrastructure Protection and Security Engineering The Experience of a Structural Engineer on the Joint Staff Integrated Vulnerability Assessment (JSIVA) Teams
		Track 11: GIS/CAD/BIM Comprehensive Evaluation of Project Vertical Datums
		Workshop – Discussion (feedback) on new ER for Minimum Safety Requirements for Local Flood Damage Reduction Projects
12:00 p.m.	1:00 p.m.	Lunch (on your own)
1:00 a.m.	1:30 p.m.	**Technical Sessions Group 25**
		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 25-27 • Design and Implementation of Measures for Increasing Shallow Water Habitat on the Missouri River • Emergent Sandbar Habitat creation for the Interior Least Tern and Piping Plover on the Missouri River • Integration of Physical and Biological Data with Hydraulic Modeling on the Missouri River • GSSHA: The Army Corps of Engineers Physics-Based Hydrologic, Sediment Transport, and Contaminant Transport Application Model **Track 1b: HH&C Coastal** Sessions 25-27 • Wave Modeling in Support of Jetty Rehabilitation at the Mouth of the Columbia River, Washington/Oregon, USA • Evaluating Potential Implications of Cumulative Storm Power on Coastal Infrastructure Damage and Repair Readiness • A Systematic and Phased Approach for Rehabilitating Century Old Jetties at the Mouth of the Columbia River **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 25-27 A: • Ice Jam Emergency Management Workshop B: • Spillway Adequacy and Dam Break Analysis Using HEC-HMS and HEC-RAS • Advancements in Reservoir Simulation Modeling with HEC-ResSim • Hydrologic Engineering Center's Statistical Software Package, HEC-SSP • The Hydrologic Engineering Center's Watershed Analysis Tool (HEC-WAT)
		Track 2: Geotech & Materials Engineering A. Levee Portfolio Risk Assessment Toolbox for Piping and Seepage B. Field Moisture and Density Testing Comparison Study for the New Orleans Levees

		Track 4: Structural Engineering Assessment and Monitoring of Damage in 1930's Era Mississippi River Navigation Structures
		Track 5: Dam Safety A. Unusual Hydraulic Structures at USACE Dams B. Levee Assessment Program
		Track 6: Construction & AE Management Sustainable Design and Development (SDD) for Construction Managers. What do they need to know?
		Track 7: Mechanical and Electrical A. Energy Workshop B. Risk & Reliability Workshop for Mechanical and Electrical CW Systems
		Track 8: Infrastructure Protection and Security Engineering A Case Study for Protecting Critical Infrastructure in Remote Locations
		Track 11: H&H Applications of GIS Sessions 25-27 • HEC-RAS Automation and Manipulation using ArcGIS • Enterprise GIS can transform the Hydrology, Hydraulics & Coastal CoP • Flood Event Simulation Model • A GIS-based Model for use with HEC-FDA
1:30 p.m.	2:00 p.m.	**Technical Sessions Group 26** **Track 1a: HH&C Environmental & Ecosystems Restoration** Sessions 25-27 • Design and Implementation of Measures for Increasing Shallow Water Habitat on the Missouri River • Emergent Sandbar Habitat creation for the Interior Least Tern and Piping Plover on the Missouri River • Integration of Physical and Biological Data with Hydraulic Modeling on the Missouri River • GSSHA: The Army Corps of Engineers Physics-Based Hydrologic, Sediment Transport, and Contaminant Transport Application Model **Track 1b: HH&C Coastal** Sessions 25-27 • Wave Modeling in Support of Jetty Rehabilitation at the Mouth of the Columbia River, Washington/Oregon, USA • Evaluating Potential Implications of Cumulative Storm Power on Coastal Infrastructure Damage and Repair Readiness **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 25-27 A: • Ice Jam Emergency Management Workshop B: • Spillway Adequacy and Dam Break Analysis Using HEC-HMS and HEC-RAS • Advancements in Reservoir Simulation Modeling with HEC-ResSim • Hydrologic Engineering Center's Statistical Software Package, HEC-SSP

		• The Hydrologic Engineering Center's Watershed Analysis Tool (HEC-WAT)
		Track 2: Geotech & Materials Engineering A. Hurricane Katrina - IPET Operational Risk and Reliability B. Geophysical Evaluation of Earthen Dams - USACE Sacramento District
		Track 4: Structural Engineering Recommendations on Strength Design for T-walls and Other RC Members
		Track 5: Dam Safety A. Managing Dam Safety Risk - A New Exploratory Method Used to Rapidly Evaluate Seepage Concerns at Dam Sites B. Levee Assessment Methodology, Hydrology and Hydraulics
		Track 6: Construction & AE Management Sustainable Design and Development (SDD) for Construction Managers: What do they need to know?
		Track 7: Mechanical and Electrical A. Energy Workshop B. Risk & Reliability Workshop for Mechanical and Electrical CW Systems
		Track 8: Infrastructure Protection and Security Engineering Explosives Safety Siting at Army Installations
		Track 11: H&H Applications of GIS Sessions 25-27 • HEC-RAS Automation and Manipulation using ArcGIS • Enterprise GIS can transform the Hydrology, Hydraulics & Coastal CoP • Flood Event Simulation Model • A GIS-based Model for use with HEC-FDA
2:00 p.m.	2:30 p.m.	**Technical Sessions Group 27**
		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 25-27 • Design and Implementation of Measures for Increasing Shallow Water Habitat on the Missouri River • Emergent Sandbar Habitat creation for the Interior Least Tern and Piping Plover on the Missouri River • Integration of Physical and Biological Data with Hydraulic Modeling on the Missouri River • GSSHA: The Army Corps of Engineers Physics-Based Hydrologic, Sediment Transport, and Contaminant Transport Application Model **Track 1b: HH&C Coastal** Sessions 25-27 • Wave Modeling in Support of Jetty Rehabilitation at the Mouth of the Columbia River, Washington/Oregon, USA • Evaluating Potential Implications of Cumulative Storm Power on Coastal Infrastructure Damage and Repair Readiness **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 25-27 A: • Ice Jam Emergency Management Workshop B: • Spillway Adequacy and Dam Break Analysis Using HEC-HMS

		and HEC-RAS • Advancements in Reservoir Simulation Modeling with HEC-ResSim • Hydrologic Engineering Center's Statistical Software Package, HEC-SSP • The Hydrologic Engineering Center's Watershed Analysis Tool (HEC-WAT)
		Track 2: Geotech & Materials Engineering A. Using Expert Opinion Elicitation for Development of Limit States for Engineering Reliability Models B. Geophysical Surveys for Assessing Levee Foundation Conditions, Feather River Levees, Marysville, CA
		Track 4: Structural Engineering Cazenovia Creek Ice Control Structure
		Track 5: Dam Safety A. Montgomery Dam Barge Accident - Emergency Response, Recovery, and Future Actions B. Overview of Structural Modules for Levees
		Track 6: Construction & AE Management MILCON Transformation
		Track 7: Mechanical and Electrical A. Energy Workshop B. Lock Automation Workshop
		Track 8: Infrastructure Protection and Security Engineering Building Security Certification Program
		Track 11: H&H Applications of GIS Sessions 25-27 • HEC-RAS Automation and Manipulation using ArcGIS • Enterprise GIS can transform the Hydrology, Hydraulics & Coastal CoP • Flood Event Simulation Model • A GIS-based Model for use with HEC-FDA
2:30 p.m.	3:30 p.m.	**Networking Break**
3:30 p.m.	4:00 p.m.	**Technical Sessions Group 28**
		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 28-30 • Assessing Environmental Impacts to Aquatics and Waterfowl • Integrated Surface Water-Groundwater Modeling to Quantify Hydrologic Restoration Benefits in the Everglades • Identification of gravel deposits in the Lower Mississippi River • National Pollutant Discharge Elimination System (NPDES) **Track 1b: HH&C Coastal** Sessions 28-30 • Evaluation of Restoration Alternatives through Numerical Wave Modeling • Evaluation of Restoration Alternatives through Numerical Surge Modeling • Storm Surge Frequency Analysis using a Modified Joint Probability Method with Optimal Sampling for Rehabilitating Century Old Jetties at the Mouth of the Columbia River

		Track 1c: HH&C Hydrology, Hydraulics & Water Management Sessions 28-30 A: • Ice Jam Mitigation and Control Planning and Design Workshop B: • Standardization of Acoustic Doppler Measurements • Improving Model Calibration and Reliability • Use of Automatically Generated Analytical Sensitivities for Effective Model Calibration • Japanese knotweed and other palynological inferences; Woonasquatucket River, Rhode Island
		Track 2: Geotech & Materials Engineering Spin-Fin Pile Installation Capacities in San Francisco Bay Soils
		Track 4: Structural Engineering Corps of Engineers Civil Works Earthquake Hazards Reduction Program (CEHRP) Update
		Track 5: Dam Safety A. Policy Development for Remote Operation of Spillway Gates B. Development of a Methodology for Assessing the Mechanical and Electrical Features of Levees
		Track 6: Construction & AE Management MILCON Transformation
		Track 7: Mechanical and Electrical A. Energy Workshop B. Lock Automation Workshop
		Track 8: Infrastructure Protection and Security Engineering Building Security Rating System
		Track 11: H&H Applications of GIS Comprehensive Surface Water Modeling/Coldwater River Basin
4:00 p.m.	4:30 p.m.	**Technical Sessions Group 29**
		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 28-30 • Assessing Environmental Impacts to Aquatics and Waterfowl • Integrated Surface Water-Groundwater Modeling to Quantify Hydrologic Restoration Benefits in the Everglades • Identification of gravel deposits in the Lower Mississippi River • National Pollutant Discharge Elimination System (NPDES) **Track 1b: HH&C Coastal** • Evaluation of Restoration Alternatives through Numerical Surge Modeling **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 28-30 A: • Ice Jam Mitigation and Control Planning and Design Workshop B: • Standardization of Acoustic Doppler Measurements • Improving Model Calibration and Reliability • Use of Automatically Generated Analytical Sensitivities for Effective Model Calibration • Japanese knotweed and other palynological inferences; Woonasquatucket River, Rhode
		Track 2: Geotech & Materials Engineering Chicago Sanitary and Ship Canal, Lockport Pool Approach Dike:

		History, Seepage, and Remediation
		Track 4: Structural Engineering In-situ Inspection and Repair of Large Butterfly Valves
		Track 5: Dam Safety A. Update of Safety of Dams Regulation -- ER 1110-2-1156 B. Portfolio Risk Assessment of Levees Process - Databases, GIS, Software, and Their Interaction
		Track 6: Construction & AE Management Standardization of Architect-Engineers Contract Management
		Track 7: Mechanical and Electrical A. Energy Workshop
		Track 8: Infrastructure Protection and Security Engineering ARMY Energy Security: What are We Doing and What Can We Do?
		Track 11: H&H Applications of GIS: GIS Flood Animation Using Historical Gage Data
4:30 p.m.	5:00 p.m.	**Technical Sessions Group 30**
		Track 1a: HH&C Environmental & Ecosystems Restoration Sessions 28-30 • Assessing Environmental Impacts to Aquatics and Waterfowl • Integrated Surface Water-Groundwater Modeling to Quantify Hydrologic Restoration Benefits in the Everglades • Identification of gravel deposits in the Lower Mississippi River • National Pollutant Discharge Elimination System (NPDES) **Track 1b: HH&C Coastal** • Storm Surge Frequency Analysis using a Modified Joint Probability Method with Optimal Sampling for Rehabilitating Century Old Jetties at the Mouth of the Columbia River **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Sessions 28-30 A: • Ice Jam Mitigation and Control Planning and Design Workshop B: • Standardization of Acoustic Doppler Measurements • Improving Model Calibration and Reliability • Use of Automatically Generated Analytical Sensitivities for Effective Model Calibration • Japanese knotweed and other palynological inferences; Woonasquatucket River, Rhode
		Track 4: Structural Engineering Issues with expansion joints and concrete cracking on the Chicago Shoreline Project
		Track 5: Dam Safety A. Update of Safety of Dams Regulation ER 1110-2-1156 B. Panel Discussion of the USACE Transition to a Risk Based Dam And Levee Safety Program
		Track 6: Construction & AE Management Quality Based Selection and Partnering with the Architect-Engineer Community
		Track 7: Mechanical and Electrical A. Energy Workshop
		Track 11: H&H Applications of GIS Geospatial Technologies makes 2-D Hydraulic Modeling a Piece of Cake

Friday, June 29, 2007		
7:00 a.m.	8:00 a.m.	**Registration & Continental Breakfast**
8:00 a.m.	9:00 a.m.	**E&C CoP Meetings / Workshops Group D**
		Track 1a: HH&C Environmental & Ecosystems Restoration Committee on Water Quality Meeting **Track 1b: HH&C Coastal** Coastal Engineering Community Technology Exchange Workshop **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Research & Development Program Review and Feedback from Field
		Track 2: Geotech & Materials Engineering G&M CoP Meeting – Portfolio Risk Methods (Jeff Schaefer, Ph.D.)
		Track 3: Civil Engineering and Transportation Civil Engineering CoP Meeting
		Track 4: Structural Engineering **Bridge Safety Program Workshop**
		Track 5: Dam Safety Panel Discussion of the USACE Transition to a Risk Based Dam And Levee Safety Program
		Track 6: Construction & AE Management Construction Sub-Cop Meeting
		Track 7: Mechanical and Electrical
		Track 11: GIS/CAD/BIM
9:00 a.m.	10:00 a.m.	**E&C CoP Meetings / Workshops Group E**
		Track 1a: HH&C Environmental & Ecosystems Restoration Committee on Water Quality Meeting **Track 1b: HH&C Coastal** Coastal Engineering Community Technology Exchange Workshop **Track 1c: HH&C Hydrology, Hydraulics & Water Management** Research & Development Program Review and Feedback from Field
		Track 2: Geotech & Materials Engineering G&M CoP Meeting - Levee Safety Portfolio Risk Methods (Tracy Hendren)
		Track 4: Structural Engineering **Bridge Safety Program Workshop**
		Track 5: Dam Safety Panel Discussion of the USACE Transition to a Risk Based Dam And Levee Safety Program

		USACE Dam Safety Community of Practice (CoP) Meeting (9:30 a.m.)
		Track 6: Construction & AE Management Construction Sub-Cop Meeting
		Track 7: Mechanical and Electrical
		Track 11: GIS/CAD/BIM
10:00 a.m.	11:00 p.m.	**E&C CoP Meetings/Workshops Group F**
		Track 1c: HH&C Hydrology, Hydraulics & Water Management Research & Development Program Review and Feedback from Field
		Track 2: Geotech & Materials Engineering G&M CoP Meeting – MILCON Transformation RFP Model (TBD)
		Track 5: Dam Safety USACE Dam Safety Community of Practice (CoP) Meeting
		Track 6: Construction & AE Management Construction Sub-Cop Meeting
		Track 7: Mechanical and Electrical
11:00 a.m.	12:00 p.m.	**E&C CoP Meetings/Workshops Group G**
		Track 1c: HH&C Hydrology, Hydraulics & Water Management Research & Development Program Review and Feedback from Field
		Track 2: Geotech & Materials Engineering G&M CoP Meeting – Open Discussion
		Track 4: Structural Engineering CEBIS Users Group Meeting
		Track 5: Dam Safety USACE Dam Safety Community of Practice (CoP) Meeting
		Track 6: Construction & AE Management Construction Sub-Cop Meeting
		Track 7: Mechanical and Electrical
	12:00 p.m.	***Conference Ends***