

Monday, April 16, 2001 - Joint NRM & ER

Noon - 8:00 PM Registration

Main Lobby, Jantzen Beach

6:00 - 8:00 PM Exhibit Hall Opens - Icebreaker

Grand Ballroom

Tuesday, April 17, 2001 - Environmental Development Workshop: Joint NRM & ER Plenary Sessions - Morning

8:00 - 8:05 Call to Order

8:05 - 8:15 Lewis & Clark Re-enactment

8:15 - 8:20 Welcome to Portland District

8:20 - 8:25 Welcome to Northwestern Division

8:25 - 9:05 Chief of Engineers Address

9:05 - 9:35 Remarks

9:35 - 10:05 **Break**

10:05 - 10:50 Everglades Restoration

10:50 - 12:05 Joint Plenary Session - "From Where I Sit"

Panel

Questions/Discussion

Noon - 1:15 **Lunch - on your own - Environmental Restoration**

Noon - 1:30 **Lunch - on your own - Natural Resource Management**

Mt. St. Helens Room

Darrell E. Lewis, HQUSACE, Chief,
Natural Resources Management Branch

Craig S. Rockwell, Walla Walla District
Kenneth S. Wilk, Kansas City District

COL R. J. Butler, Commander, Portland District

BG Carl A. Strock, Commander, Northwestern Division

LTG Robert B. Flowers, Commander &
Chief of Engineers, Washington, DC

Congressman Earl Blumenauer, Third District of Oregon

Exhibit Hall/Grand Ballroom

Frank Finch, Executive Director,
South Florida Water Management District

Mt. St. Helens Room

Moderator, James W. Wolcott, HQUSACE, Chief,
Environmental Team

Charles M. Hess, CW-O
Dwight A. Beranek, CW-E
Patricia A. Rivers, MP-R
James F. Johnson, CW-P

Tuesday, April 17, 2001 - Afternoon Sessions

Natural Resources Management (NRM)

Natural Resources Management Plenary Session

1:30 - 2:30 Strategies for the Future

2:35 - 3:00 Natural Resources Management Gateway

3:00 - 3:30 **Break**

Natural Resources Management Plenary Session

3:35 - 4:35 Trends Affecting the Environmental Stewardship
& Recreation Programs

4:35 - 5:00 Questions/Discussions

5:00 **Adjourn**

Mount St. Helens Room

Darrell E. Lewis, HQUSACE, Chief,
Natural Resources Management Branch

Kathleen Perales, USACE, Army Engineer,
Research & Development Center, Vicksburg, MS
Bonnie F. Bryson, USACE, Louisville District

Exhibit Hall/Grand Ballroom

Mount St. Helens Room

R. Max Peterson, Executive Vice President,
International Association of Fish & Wildlife Agencies,
Washington, DC

Tuesday, April 17, 2001 - Afternoon Sessions (cont'd)

Environmental Restoration (ER): Concurrent Sessions

Session J-1: Policy

- 1:15 - 1:45** "The Public: Help or Hindrance?"
- 1:45 - 3:00** Civil-Military Collaboration - Case Studies - Lessons-Learned & Panel Discussion on Civil-Military Collaborative Projects to Demonstrate Potential for Interaction

Session K-1 & M-1: Quality Management/Monitoring & Measurement

- 1:15 - 1:45** National Environmental Laboratory Accreditation Conference (NELAC)
- 1:45 - 2:10** Impact of Environmental Laboratory Fraud: A Case Study
- 2:10 - 2:35** Environmental Laboratory Performance: Problems/Solutions
- 2:35 - 3:00** Questionable Practices in the Laboratory

Session L-1: Planning

- 1:15 - 1:45** GIS Based Historical Aerial Photo Analysis for Environmental Remediation
- 1:45 - 2:10** Development of Hydroinformatic Tools in Support of Natural & Water Resources Management
- 2:10 - 2:35** Upper Susquehanna: Lackawanna River Watershed (USL) Web Mapping Testbed Pilot Project
- 2:35 - 3:00** Watershed Scale Assessment of Riparian Ecosystem in the Context of a Special Area Management Plan (SAMP)

Session N-1: Compliance

- 1:15 - 1:45** Optimization of Long-Term Monitoring Programs
- 1:45 - 2:15** Radon in the Workplace
- 2:15 - 2:40** EPCRA New Toxic Release Inventory (TRI) Reporting Thresholds
- 2:40 - 3:00** Determining Ground Water Contamination Using Passive Sampling

Session O-1: Restoration

- 1:15 - 1:45** Precision Excavation Approaches to Remediating Soils Contaminated with Radionuclides
- 1:45 - 2:15** Challenges Presented by Remediation of the Linde FUSRAP Site
- 2:15 - 2:45** Pilot Demonstration for Radiological Waste Volume Reduction, FUSRAP, Maywood Superfund Site
- 2:45 - 3:00** Transport of Materials Containing Residual Radioactivity
- 3:00 - 3:30** **Break**

Session J-2: Policy

- 3:30 - 4:00** USACE Innovative Technology Program, a 10-Yr. Retrospective
- 4:00 - 4:30** Defensible Remedy Selection Under CERCLA
- 4:30 - 5:00** Understanding USACE Roles & Responsibilities for Natural Resources under CERCLA

Clark Room

Lenny Siegel, Executive Director,
Center for Public Environmental Oversight
Moderator, Norm Edwards, HQUSACE,
Planning & Policy Division

Timberline Room

Marcia Davies, Ph.D., Director, HTRW CX,
Omaha, NE
David Koran, Ph.D., HQUSACE
Kevin Coats - HTRW CX, Omaha, NE
Joseph Solsky, Ph.D., HTRW CX, Omaha, NE

Overton Room

Glenn Frano, U.S. Army ERDC,
Topographic Engineering Center, Alexandria, VA
J.P. Holland, D.R. Richard, C.A. Talbot & R.M. Wallace,
U.S. Army ERDC, Vicksburg, MS
Randal Swanson, U.S. Army ERDC,
Topographic Engineering Center, Alexandria, VA
Ronald D. Smith, U.S. Army ERDC, Vicksburg, MS
Farinaz Tabatabai, USACE, Los Angeles District

Glisan Room

David Becker, PG, USACE, HTRW CX, Omaha, NE
Luke McCormick, USACE, HTRW CX, Omaha, NE
Sandy Frye, USACE, HTRW CX Omaha, NE
Jay W. Hodny, Ph.D., George Shaw, W.L. Gore &
Associates, Inc., Elkton, MD & Donald J. Green,
U.S. Army Aberdeen Proving Ground, MD

Washington Room

David J. Conboy, USACE, Buffalo District
Fred Boglione, USACE, Buffalo District
Allen Roos, USACE, New York District

Richard Waples, USACE, HTRW CX, Omaha, NE

Exhibit Hall/Grand Ballroom

Clark Room

Jeff Breckenridge, USACE, HTRW CX, Omaha, NE
Ann L. Wright, Counsel, USACE, HTRW CX,
Omaha, NE
Miriam Lindmeier, Counsel, USACE, HTRW CX,
Omaha, NE

Tuesday, April 17, 2001 - Afternoon Sessions (cont'd)

Environmental Restoration (ER) Concurrent Sessions (cont'd)

Session L-2: Planning

- 3:30 - 3:55** Wyckoff/Eagle Harbor Superfund Site, Bainbridge Island, WA
- 3:55 - 4:20** New Bedford Harbor Superfund Site: A Case History So Far
- 4:20 - 4:45** Beneficially Reusing Treated Groundwater at the Former Nebraska Ordnance Plant Site
- 4:45 - 5:10** CORIE: Multi-purpose Scientific Infrastructure for the Columbia River Estuary

Session M-2: Monitoring & Measurement

- 3:30 - 4:30** Field-based Analytical Methods for Explosive Compounds
- 4:30 - 5:00** Evaluating the Use of Snow Covered Ranges to Estimate Explosives Residues that Result from Detonation of Army Munitions

Session N-2: Compliance

- 3:30 - 4:00** HTRW & OE Safety & Health Requirements Update
- 4:00 - 4:30** Asbestos & Lead Removal on USACE Managed Construction Projects
- 4:30 - 5:00** Ordnance & Explosives Minimum Separation Distances

Session O-2: Restoration

- 3:30 - 3:55** DERP-FUDS Contaminated with Radioactive Material
- 3:55 - 4:20** Radiochemical Data Validation & the Importance of Project Planning Process
- 4:20 - 4:45** US Army Radiation Support Team: Information & Update
- 4:45 - 5:10** Radioactive Waste Disposal Notification & Coordination Requirements for Remedial Action Projects
- 5:10** **Adjourn**

Overton Room

- Brenda Bachman, Travis Shaw, & Kathleen Kunz
USACE, Seattle District
- Rosemary Schmidt, Robert Simeone, Jay MacKay,
USACE, New England District
- Thomas Graff, PE, USACE, Kansas City District &
Andrew Curtis Elmore, Ph.D., PE, URS Corporation
- Antonio M. Baptista, Oregon Graduate
Institute of Science & Technology

Timberline Room

- Thomas F. Jenkins, Ph.D., U.S. Army ERDC,
Cold Regions Research Engineering Lab, Hanover, NH
- Thomas F. Jenkins, Ph.D., U.S. Army ERDC,
Cold Regions Research Engineering Lab, Hanover, NH

Glisan Room

- Richard L. Wright, CIH, & Harris H. Yeager,
HQUACE, Safety & Occupational Health Office
- Mark Fisher, USACE, HTRW CX, Omaha, NE
- Michelle Crull, Ph.D., P.E., USACE, Huntsville, AL

Washington Room

- Hans Honerlah, USACE, Baltimore District
- Jan W. Dunker, Ph.D., USACE, HTRW CX,
Omaha NE
- Richard L. Wright, CIH, HQUACE,
Safety & Occupational Health
- Brian Hearty, USACE, HTRW CX, Omaha, NE

Wednesday, April 18, 2001

Natural Resources Management (NRM)

Natural Resources Management: Plenary Session

- 8:00 - 8:10** Call to Order
- 8:15 - 9:10** Forecast for Natural Resources Management Programs
- 9:15 - 10:00** The Iron Triangle
- 10:00 - 10:30** **Break**

NRM Plenary Continued: Listening Session

- 10:35 - 10:50** Political Sector
- 10:50 - 11:05** Private Sector/Industry
- 11:05 - 11:20** Private Interest Groups
- 11:20 - 11:35** Non-Profit Organization
- 11:35 - 11:50** Foundations
- 11:50 - Noon** Question/Answers
- Noon - 1:30** **Lunch - on your own**

NRM Plenary Continued: Models for Success

- 1:40 - 1:50** Working with Congress & Congressional Aides
- 1:50 - 2:00** Working with Private Industry
- 2:00 - 2:10** Working with Private Interests
- 2:10 - 2:20** Working with Non-Profit Organizations
- 2:20 - 2:30** Working with Regulatory Agencies
- 2:30 - 2:40** Working with Stakeholders
- 2:40 - 3:00** Questions & Answers
- 3:00 - 3:30** **Break**

Clackamas/Multnomah Room

Moderator, George E. Tabb, HQUSACE, Chief, Recreation, Programs Section

Charles M. Hess, HQUSACE, Chief of Operations Division

COL Eric T. Mogren, Deputy Commander, USACE, NWD

Exhibit Hall/Grand Ballroom

Clackamas/Multnomah Room

Moderator, Denise Y. White, HQUSACE, Chief, Natural Resources Section

Chuck Banks, Assistant State Director for US Senator Pat Roberts, Topeka, KS

Martin G. MacDonald, Director of Corporate Relations, Conservation & Youth Development, Bass Pro, Inc., Springfield, MO

Stephen E. Adair, Ph.D. Director of Conservation Programs, Ducks Unlimited, Inc., Memphis, TN

Donna Asbury, Executive Director, Association of Partners for Public Lands (APPL) Millersville, MD

Cheree Peterson, Director, Assistant Director, Government Relation & External Affairs National Fish & Wildlife Foundation, Washington, DC

Clackamas/Multnomah Room

Moderator, Janice A. Smith, HQUSACE, Chief, Environmental Compliance Section

William R. Duey, USACE, Kansas City District, Rathbun Lake

Timothy R. Toplisek, HQUSACE, Outdoor Recreation Planner

Thomas M. Norton, USACE, Vicksburg District, Grenada Lake

Nancy L. Rogers, USACE, San Francisco District, San Francisco Bay Delta Model Visitor Center

Sandra L. Frye, USACE, HTRW CX, Omaha, NE

Casey D. Kruse, USACE, Omaha District

Exhibit Hall/Grand Ballroom

Wednesday, April 18, 2001 (cont'd)

Natural Resources Management (NRM)

NRM: Concurrent Sessions

Session A

Moderator Denise Y. White, HQUSACE

3:35 - 4:15

Managing Target Species on the Tenn-Tom Waterway

4:20 - 5:00

Designating Environmentally Sensitive Areas via Master Plan Supplements: A Recent Initiative at Grapevine Lake, Texas

Session B

Moderator Janice A. Smith, HQUSACE

3:35 - 4:15

OMBIL (Operations & Maintenance Business Information Link) User Tips

4:20 - 5:00

Compliance Assessment Refresher

Session C

Moderator George E. Tabb, HQUSACE

3:35 - 4:15

Working with the Media

4:20 - 5:00

Lewis & Clark Bicentennial Commemoration Status

Session D

Moderator Stephen B. Austin, HQUSACE

3:35 - 4:15

NRM Uniform Program

4:20 - 5:00

Visitor/Ranger Safety Review Progress

5:00

Adjourn

Glisan Room

Danny R. Hartley, USACE, Mobile District

Donald N. Wiese, USACE, Ft. Worth District

Crown Room

Theresa M. Kauzlarich, USACE, Rock Island District & Michael D. Owen, USACE, Ft. Worth District

Donna J. Schell, USACE, Construction Engineering Research Laboratory, Champaign, IL

Multnomah Room

Dawn M. Edwards, USACE, Portland District

Jeannine M. Nauss, USACE, National Lewis & Clark Coordinator, Omaha District

Clackamas Room

Dawn A. Wiedmeier, USACE, Walla Walla District & Stephanie Holt, Uniform Solutions, Nashville

Charles L. Burger, USACE, Fort Worth District

Environmental Restoration (ER)- Concurrent Sessions

Session J-3: Policy

8:00 - 8:30

Program Achievements in Formerly Utilized Sites Remedial Action Program (FUSRAP)

8:30 - 9:00

Radioactive Waste Disposal Policy

9:00 - 9:30

Challenges Presented by the Preliminary Assessment, Site Inspection Process

9:30 - 10:00

Draft Land Use Controls Policy for FUSRAP

Session L-3: Planning

8:00 - 8:30

Field Verification of Ecological Hazard Quotients: A Streamlined Decision Approach

8:30 - 9:00

A Predictive Ecological Risk Assessment: Effect of Military Training Materials on Indiana Bats, Gray Bats, & Bald Eagles at Ft. Leonard Wood, Missouri

9:00 - 9:30

Seabrook Wetland Conservation Plan

9:30 - 10:00

Reclaiming Historic Wetlands by Exhuming & Consolidating Landfills at the Former K.I. Sawyer Air Force Base Near Gwinn, Michigan,

Session M-3: Monitoring & Measurement

8:00 - 8:30

Characterization of Non-Aqueous Phase Liquid Source Zones for In-Situ Thermal Treatment Systems

8:30 - 9:00

Characterization of Ground Water Plumes Using Dynamic Work Plans & Field Portable Analyses

9:00 - 9:30

National Water Quality Assessment Program

9:30 - 10:00

Tri-Service Program for Long-Term Monitoring of Permeable Reactive Barrier Walls

Clark Room

Kip R. Huston, P.E., HQUSACE, Military Programs

Tommiann McDaniel, HQUSACE, Military Programs

David Romano, USACE, Buffalo District

Kelly Koontz, HQUSACE, Military Programs

Overton Room

Elizabeth A. Ferguson, David J. Brancato, John P. Jent & Walter Perro, USACE, Louisville District

Angela Schmidt, M.S., Karen Tyrell, Ph.D., Russ Romme, BHE Environmental, Inc.

Christy M. Durham, Houston-Galveston Area Council

Kenneth A. Williams & Donald D. Moses, USACE, Omaha District & Gregory J. McGovern, Earth Tech

Timberline Room

Kira Lynch, USACE, Seattle District

Roger Henderson, P.E., USACE, Sacramento District

Sandy Williamson, USGS, Tacoma, WA

Steve White, USACE, HTRW CX, Omaha, NE

Environmental Restoration (ER)- Concurrent Sessions (cont'd)

Session N-3: Compliance

- 8:00 - 8:30** Natural Attenuation of Metals in Groundwater at an Abandoned Waste Disposal Site
- 8:30 - 9:00** Cost Effective Small Business: Smart Application of OSHA's Hazardous Waste Operations & Emergency Response (HAZWOPER) Standard on USACE HTRW Remedial Action Projects
- 9:00 - 9:30** Total Maximum Daily Loadings or TMDLs: A New Corps Mission?
- 9:30 - 10:00** Environmentally Preferable Lubricants & Fuels

Session O-3: Restoration

- 8:00 - 8:25** Remediation System Evaluations: Not Just for USACE Anymore
- 8:25 - 8:50** Reduction of Leachable Dinitrotoluene Using Cement & Fly Ash
- 8:50 - 9:15** Low Hydraulic Conductivity Asphalt Cement Pavement for Landfill Cover Systems
- 9:15 - 9:40** Artificially Frozen Ground as a Subsurface Barrier Technology
- 9:40 - 10:05** PCB Destruction Using Fenton-Like Reactions in Pacific Soils

10:05 - 10:30 Break

Session J-4: Policy

- 10:30 - 11:00** The USACE Abandoned Mine Restoration Initiative
- 11:00 - 11:30** US Army Environmental Quality Technology Process
- 11:30 - Noon** Interstate Technology Regulatory Cooperation (ITRC): Promoting Innovative Environmental Technologies

Session L-4: Planning

- 10:30 - 11:00** Technical Project Planning: "The Joy of Successful Project Execution Using the Technical Project Planning Process"
- 11:00 - 11:30** Understanding Formerly Used Defense Sites (FUDS) Ordnance & Explosives Preliminary Assessment & Site Inspection (PAE/SI)
- 11:30 - Noon** Formerly Used Defense Sites (FUDS) in Alaska: Planes, Barges & Bears

Session M-4: Monitoring & Measurement

- 10:30 - 11:00** Contamination in Sediment & Selected Fish Species Collected from Ft. Leonard Wood, Missouri
- 11:00 - 11:30** Bioaccumulation of Pesticides in Bats Collected at Fort Leonard, Missouri
- 11:30 - Noon** Remote Water Quality Monitoring for Abandoned Mine Lands

Glisan Room

Carol Lee Dona, William McFarland, Brad Brink, Dave Daniel, Amy Darpinian, David Nelson & Mary Murphy, USACE, Kansas City District

Mark Fisher, USACE, HTRW CX, Omaha, NE

Joe E. Svirbely, Ph.D., USACE,
Great Lakes & Ohio River Division

Chris Thaw, Terresolve Technologies

Washington Room

David Becker, P.G., USACE, HTRW CX, Omaha, NE

Jason M. Leibbert & William B. Empson, USACE, Kansas City District, David Hixson, Jacobs Engineering Group, Raymond E. Bailey & Marjorie Wesley, MK-Ferguson Company

Brad N. Jones, P.E. USACE, Omaha District

Steven A. Grant & I. K. Iskandar, U.S. Army ERDC,
Cold Regions Research Engineering Lab, Hanover, NH

Helene Y. Takemoto, USACE, Hawaii District &
Ian Osgerby, Ph.D., USACE, New England District

Exhibit Hall/Grand Ballroom

Clark Room

Michael J. Klosterman, Chief Geologist, HOUACE

Mark Hampton, Scott A. Hill, Erik B. Hangeland, & Dennis A. Teefy, USAEC, Aberdeen Proving Ground, MD

Bill Dana, ITRC

Overton Room

HTRW CX, Omaha, NE

Richard L. Pike, QASAS, USACE, Huntsville, AL

Sandra Kimbrell, Ph.D., Paul Schneider, P.E.,
Ron Broyles, Patrick Roth, USACE, Alaska District

Timberline Room

Karen Tyrell, Ph.D. & Angela Schmidt, M.S.,
BHE Environmental Inc.

Alan K. Gehrt, USACE, Kansas City District
Angela Schmidt, M.S. & Russ Romme,
BHE Environmental, Inc.

Kathleen D. White, P.E. & Christopher R. Williams,
U.S. Army ERDC, Cold Regions Research Engineering
Lab, Hanover, NH

Wednesday, April 18, 2001 (cont'd)

Environmental Restoration (ER)- Concurrent Sessions (cont'd)

Session O-4: Restoration

- 10:30 - 11:00** Ecological Indication, Bioaccumulation & Phytoremediation as Tools for Environmental Quality Management
- 11:00 - 11:30** Determining Water Quality Functions of Wetlands: How Do We Do It?
- 11:30 - Noon** Overview of the CERCLA Five-Year Review Program & How You Can Get Involved
- Noon - 1:30** **Environmental Restoration Luncheon Communications in Low Trust, High Concern Situations**

Session J-5: Policy

- 1:30 - 3:30** Putting It All Together: Applying Corps Authorities to Brownfields & Other Special Environmental Initiatives, Panel Discussion

Session L-5: Planning

- 1:30 - 2:00** NY/NJ Harbor Sediment Beneficial Use Economic Benefit Cost Analysis Framework
- 2:00 - 2:30** Estimating Budget Costs for Ordnance & Explosive Projects
- 2:30 - 3:00** Estimating the Cost of Long-Term Stewardship of Environmental Restoration

Session M-5: Monitoring & Measurement

- 1:30 - 1:55** Utilization of Airborne Magnetometry for the Detection, Characterization & Identification of Unexploded Ordnance & HTRW Pits & Trenches
- 1:55 - 2:20** Development & Onsite Application of a Spectrophotometric Method for the Detection & Measurement of Azides at Load Lines 9 & 11, Ravenna Army Ammunition Plant
- 2:20 - 2:45** Long Term Monitoring & Measurements of Explosives at the Louisiana Army Ammunition Plant, Minden, Louisiana
- 2:45 - 3:10** Applicability of ERDC-Developed Sensor Technologies to Site Characterization & Monitoring of FUSRAP Restoration Activities

Session O-5: Restoration

- 1:30 - 1:55** Accelerated Anaerobic Bioremediation (AAB) for Groundwater: An Overview
- 1:55 - 2:20** Remediation of TCE Contaminated Groundwater Using Methane Injection to Enhance a Cometabolism Demonstration Project at Hastings Former Naval Ammunition Depot
- 2:20 - 2:45** Use of Engineered Wetlands to Phytoremediate Explosives Contaminated Surface Water at the Iowa Army Ammunition Plant, Middletown, IA
- 2:45 - 3:10** Integrated Zero-Valent Iron & Dark Oxidation Processes for In-Situ Remediation of Explosives Groundwater
- 3:10 - 3:30** **Break**

Washington Room

- Elly P.H. Best, Ph.D., & Henry E. Tatem, USACE, ERDC, Vicksburg, MS
- Steven L. Ashby, USAEDC, Vicksburg, MS
- Greg Mellema, P.E., USACE, HTRW CX

Doubletree Ballroom - Columbia River Hotel Speaker, Lori Geckle, USACHPPM

Clark Room

- Bill Brasse, & Jane Mergler, HQUSACE, Superfund & Intergovernmental Support Branch

Overton Room

- James Lodge, USACE, New York District
- Jerry Diamantides, David Miller & Associates, Trina Wellman & Tom Bulbransen, Battelle Memorial Institute
- James K. Peterson & Katherine Peterson, USACE, HTRW CX, Omaha, NE
- C. Joseph English, Project Performance Corporation

Timberline Room

- Scott Millhouse, P.E., USACE, ESC, Huntsville, AL
- Francis Zigmund, USACE, Kansas City District
- Danny W. Harrelson, Mansour Zakikhani, Judith C. Bennington, William Sniffen, Mauren K. Corcoran, U.S. Army ERDC, Vicksburg, MS
- John H. Ballard & M. John Cullinane, U.S. Army ERDC, Vicksburg, MS

Washington Room

- Charles G. Coyle, P.E., USACE, HTRW CX, Omaha, NE
- Arbor D. Drinkwine, USACE, Kansas City District
- Steve Larson, U.S. Army ERDC, Vicksburg, MS
- Donald Moses & Randy Sellers, USACE, Omaha District
- Jason H. Kiker, ECC
- Beth Fleming, U.S. Army ERDC, Vicksburg, MS

Exhibit Hall/Grand Ballroom

Wednesday, April 18, 2001 (cont'd)

Environmental Restoration (ER)- Concurrent Sessions (cont'd)

Session J-6: Policy

3:30 - 4:30 Civil Works Policy: An Overview of Civil Works Policy on Environment, Watersheds, Environmental Dredging, & Environmental Benefits, Brownfields, Water Resources Development Act 2000, Non-Coal Mine Restoration & Environmental Infrastructure

Session L-6: Planning

3:30 - 5:00 A Workshop - Easing the Burden of Cost Recovery

Session M-6 Monitoring & Measurement

3:30 - 3:55 New & Enhanced Modeling Tools in GMS V. 3.1

3:55 - 4:20 State of the Art in Surface Water & Groundwater Interaction Modeling

4:20 - 4:50 Modeling Complex Groundwater Problems with FEMWATER v. 3.0

4:50 - 5:15 Benefits of Groundwater Model Studies for EPA Sites

Session O-6: Restoration

3:30 - 3:55 Reductive Transformation of RDX in a Bench-Scale Simulated Aquifer

3:55 - 4:20 Case Studies in Application of In-Situ Chemical Oxidation to Treat Explosives Contaminated Groundwater

4:20 - 4:45 Natural Attenuation of TNT & DNT in Groundwater at Former Weldon Springs Ordnance Works

4:45 - 5:10 Base-Catalyzed Transformations of Explosive Compounds in Soil & Water

5:10 **Adjourn**

Clark Room

Moderator, Jan Rasgus, HQUSACE, Civil Works

Overton Room

Lucy Harris, USACE, HTRW CX, Omaha, NE

Timberline Room

Earl V. Edris & Cary Talbot, U.S. Army ERDC, Vicksburg, MS

David Richards, Stacy Howington, Cary Talbot, Charles Downer & H. Jerry Lin, U.S. Army ERDC, Vicksburg, MS

Cary Talbot, Dave Richards, & Earl Edris, U.S. Army ERDC, Vicksburg, MS

Glen Stevens, P.E. Dan Sirkis, P.G. & Rob Lowinski, USACE, Philadelphia District

Washington Room

Jeffrey L. Davis, Lance D. Hansen, Lyn Escalon, Laura Inouye, David Ringelberg, U. S. Army ERDC, Vicksburg, MS

Mark L. Hampton, USAEC, Aberdeen Proving Ground, MD

Carol Lee Dona, Ph.D., Daniel Mroz, T.R. Shepherd, Richard Medary, Brad Brink, Dave Crawford, David Nelson & Mary Murphy, USACE, Kansas City District

Lance D. Hansen, Steven L. Larson, Deborah R. Felt, Mohammad Qasim, M. John Cullinane, Jr., U.S. Army ERDC, Vicksburg, MS

Thursday, April 19, 2001

Natural Resources Management (NRM)

Concurrent Sessions

- Session E** Moderator **Timothy R. Toplisek, HQUSACE**
- 8:05 - 8:40** Stream & Lake Restoration Using Bio-Remediation Techniques
- 8:45 - 9:20** The Corps of Engineers Role in the Partners in Flight Initiative
- 9:25 - 10:00** Clean Water Action Plan
- Session F** Moderator **Janice A. Smith, HQUSACE**
- 8:05 - 8:40** Army/Corps Compliance Regulation
- 8:45 - 9:20** Compliance Assessment Refresher
- 9:25 - 10:00** National Recreation Reservation Service (NRRS) Update
- Session G** Moderator: **Stephen B. Austin HQUSACE**
- 8:05 - 8:40** Student Conservation Association (SCA)
- 8:45 - 9:20** Career Development
- 9:25 - 10:00** Water Safety
- Session H** Moderator **Judith V. Rice, HQUSACE**
- 8:05 - 8:40** Recreation Initiatives (Modernization, Visitor Centers, Federal Lakes)
- 8:45 - 9:20** Carrying Capacity for Decision-making Benefits Based Management
- 9:25 - 10:00** Addressing the Needs of Multicultural Recreation Visitors
- 10:00 - 10:30** **Break**
- 10:30 - 11:40** **NRM Plenary** - Moderator Darrell E. Lewis
- Noon - 1:30** **Natural Resources Awards Luncheon**
"The Lewis & Clark Expedition"
- 1:30 - 3:00** Post Conference Division Meetings
- 3:00 - 5:00** HQ with Division NRM POC Meeting
- 5:00** **Adjourn**

Crown Room

- Albert F. Sutlick, USACE, Walla Walla District
- Richard A. Fischer, Ph.D., U.S. Army ERDC, Vicksburg, MS
- Timothy R. Toplisek, HQUSACE, Outdoor Rec. Planner

Glisan Room

- Sandra L. Frye, USACE, HTRW CX, Omaha, NE
- Donna J. Schell, USACE, Construction, Engineering & Research Lab, Champaign, IL
- Gregory I. Webb, USACE, Ft. Worth District, Lynne R. Beeson, USACE, Savannah District, Ricky D. Raymond, USACE, Ft. Worth District

Multnomah Room

- Ray Auger, Program Development Director, SCA, Charleston, NH
- Dwight Beall, USACE, Baltimore District
- Will Rogers, USACE, New England District & John Donaldson, Kawasaki USA

Clackamas Room

- George E. Tabb, HQUSACE, Chief, Recreation, Programs Section
- Donald N. Wiese, USACE, Fort Worth District
Scott Jackson & Kathleen Perales, U.S. Army ERDC, Vicksburg, MS
- Richard Kasul, & Robert A. Dunn, U.S. Army ERDC, Vicksburg, MS
Laura Beauregard, & Diane B. Batson, USACE, Little Rock District

Exhibit Hall/Grand Ballroom

Multnomah/Clackamas Room

- Riverview Ballroom - Columbia River Hotel**
Speaker, BG Hal Sterns (Retired)

Thursday, April 19, 2001 (cont'd)

Environmental Restoration (ER)

Session J-7: Policy

8:00 - 10:00 Environmentally Sustainable Development - A Panel Discussion

Session L-7: Planning

8:00 - 10:00 Managing Uncertainty for Environmental Decision Making: Part I
A 4-Hour Workshop to Institutionalize the Data Quality Objectives Process

Session M-7 Monitoring & Measurement

8:00 - 8:30 Environmental Sampling Efficiency for Groundwater Wells

8:30 - 9:00 Low Flow, Low Stress, or Micropurge Groundwater Sampling:
An Update & Answers to Common Questions

9:00 - 9:30 Consideration for Deep (>300 ft) Monitoring Wells Installations

9:30 - 10:00 ReMoTe: A Geospatial Management Information System for Planning,
Monitoring & Evaluating Environmental Restoration

Session O-7: Restoration

8:00 - 8:30 Palos Verdes Superfund Site Pilot Capping Project, Virtual Teams
& Innovative Technologies on the High Seas

8:30 - 9:00 In-Situ Thermal Remediation

9:00 - 9:30 The Effect of Carbon Contaminants on Steam Regeneration
of a Vapor Phase Carbon Adsorption System

9:30 - 10:00 Steam Injection Pilot Test Design at Wycoff/Eagle Harbor Superfund Site,
Bainbridge Island, WA

10:00 - 10:30 **Break**

Session L-8: Planning

10:30 - Noon Managing Uncertainty for Environmental Decision Making: Part II
Last 2 Hrs. of 4 Hr. Workshop to Institutionalize
the Data Quality Objectives Process

Noon **Lunch - on your own**

1:00 **Field Trip: Camp Bonneville (optional)**

Pettygrove Room

Moderator, William L. Klesch, Ph.D., HSQUSACE,
Civil Works

Clark Room

Sebastian Tindall, ERC DQO Lead, Bechtel Hanford Inc.

Timberline Room

Gregory L. Hempen, Ph.D., P.E., USACE, St. Louis District
Mark D. Varljen, SCS Engineers

Carl Nardin, USACE, Omaha District

Joel D. Schlager & Daniel E. Lawson, U.S. Army ERDC,
Hanover, NH & Anchorage, AK

Washington Room

Mamie Brouwer, USACE, Seattle District,
Fred Schauffler, US EPA Region 9, San Francisco, CA,
Joe Ryan, USACE, Los Angeles District,
Michael Palermo & James Clausner,
U.S. Army ERDC, Vicksburg, MS,
Thomas Fredette, USACE, New England District,
& Scott McDowell, SAIC, Newport, RI

Steven A. Grant, Ph.D., U.S. Army ERDC, Cold Regions
Research Engineering Lab, Hanover, NH

William J. Crawford, P.E., USACE, HTRW CX,
Omaha, NE

Michael M. Easterly & Kathy Le Prowse, USACE,
Seattle District, Hanh Gold, US EPA, Seattle, WA

Exhibit Hall/Grand Ballroom

Clark Room

Sebastian Tindall, ERC DQO Lead, Bechtel Hanford Inc.

Adjourn to Field Trips, Site Visits, & Special Meetings
(by Invitation only)

Main Entrance, Jantzen Beach Doubletree

Friday, April 20, 2001

Field Trips (All Day) (Optional/Choose One)

Option A: Willamette River Projects

Option B: Bonneville Dam

Main Entrance, Jantzen Beach Doubletree

Bios

Lieutenant General Robert B. Flowers Commander & Chief of Engineers

Prior to his selection as Chief of Engineers & Commanding General of the U.S. Army Corps of Engineers, Lieutenant General Robert B. Flowers served as the Commanding General of the Maneuver Support Center & Fort Leonard Wood, Missouri. His other commands include an Engineer Company in Germany; the 307th Engineer Battalion, 82nd Airborne Division; the 20th Engineer Brigade, XVIII Corps (Airborne); & the Mississippi Valley Division of the U.S. Army Corps of Engineers.

Operational deployments include command of an expanded brigade of 10 battalions (7,700 soldiers) during Operations Desert Shield & Desert Storm; Task Force Engineer for the Joint Task Force in Somalia; & Deputy Chief of Staff for Engineering (Forward), U.S. Army Europe in Bosnia.

Other assignments include Assistant Division Commander, 2nd Infantry Division (Mechanized), Eighth U.S. Army, South Korea; Deputy Commanding General & Assistant Commandant, U.S. Army Engineer Center & School, Fort Leonard Wood, Missouri; Branch Chief, Counternarcotics Operations Division, Washington, D.C.; Combat Developer, Combined Arms Center, Fort Leavenworth, Kansas; Field Engineer & Research Project Manager for the Portland Engineer District; & Staff Engineer in Thailand for the Udorn Detachment & North Thailand.

Following graduation & commissioning from the Virginia Military Institute in 1969, Lieutenant General Robert B. Flowers completed Airborne & Ranger training & began his career as an Engineer Officer. He holds a master's degree in civil engineering from the University of Virginia & is a Registered Professional Engineer.

Congressman Earl Blumenauer Third District of Oregon

Congressman Earl Blumenauer (OR-3) was born, raised & educated in Portland, Oregon, and has been an Oregon elected official for this entire career. First elected to the U.S. House in a special election in 1996, Mr. Blumenauer has carved out a unique role for himself as the Congress's proponent of Livable Communities. From his seat on the Transportation & Infrastructure Committee, he has focused on creating policies & partnerships that will make communities & the families that live in them safer, healthier, & more economically secure. Recognizing that the federal government, as the nation's largest employer, landowner & tenant, influences policy not only through regulation but through its own actions, Mr. Blumenauer has built strong partnerships throughout the executive branch, urging agencies from the Department of Defense to the General Services

Administration to lead by example. Since his election to Congress, he has traveled to nearly 50 communities, working with local citizens & organizations on ways they can build more effective civic partnerships to improve land use, environment & transportation. He is equally committed to partnerships with his colleagues; he works with them through the Bike Caucus, which he founded, the Task Force on Livable Communities, which he co-chairs, and other member organizations such as the House Sustainable Development Caucus.

Brigadier General Carl A. Strock Commander & Division Engineer

Brigadier General Carl A. Strock, Commander & Division Engineer of the U.S. Army Corps of Engineers, Northwestern Division, assumed his post July 15, 1999. He directs all Corps of Engineers water resources activities in an area comprising one-quarter of the land mass of the United States. General Strock also directs the Corps military construction program for the states of Colorado, Idaho, Iowa, Kansas, Minnesota, Montana, Nebraska, North Dakota, Oregon, South Dakota, Washington, Wisconsin, & Wyoming totaling about \$325 million annually. NWD's program, averaging \$350 million annually, includes cleanup of hazardous & toxic waste at hundreds of formerly used defense sites & active military installations. A Registered Professional Engineer in the state of Missouri, General Strock is a graduate of Virginia Military Institute & holds a master's degree in civil engineering from Mississippi State University. He has also attended the National War College & the U.S. Army Command & General Staff College. His military decorations include the Legion of Merit with Oak Leaf Cluster, Bronze Star with Oak Leaf Cluster, Meritorious Service Medal with two Oak Leaf Clusters, Army Commendation Medal, Army Achievement Medal & many others.

Colonel Eric T. Mogren Deputy Commander

Colonel Eric T. Mogren, Deputy Commander for the U.S. Army Corps of Engineers, Northwestern Division, assumed his post on July 14, 1997. He oversees Corps of Engineers programs & activities in the Columbia & Missouri River basins totaling more than \$1.27 billion for Fiscal Year 2001. A large part of the \$600 million civil works program is earmarked for maintaining & operating hydroelectric projects & for planning & constructing navigation & flood control projects. About \$107 million of that amount is slated for the Columbia River Basin Salmon Program. Colonel Mogren graduated from the State University of New York at Syracuse, & was commissioned on May 10, 1974. He received his master's degree in

Bios (cont'd)

civil engineering at the University of Texas in Austin. A graduate of the U.S. Army War College & the U.S. Army Command & General Staff College, he is a Registered Professional Engineer in the state of Pennsylvania. His military decorations include the Legion of Merit, Bronze Star Medal, Meritorious Service Medal with four Oak Leaf Clusters, DoD & Army Commendation Medals, Army Achievement Medal & numerous others.

Colonel Randall J. Butler District Engineer & Commander

Colonel Randall J. Butler became District Engineer of the Portland District, U.S. Army Corps of Engineers, on July 19, 1999. Col. Butler was commissioned a second lieutenant in the Corps of Engineers in June 1976, as a Distinguished Military graduate & has continued in distinguished service since that time. He earned a bachelor's degree in civil engineering from San Jose State University, & a master's degree in civil engineering from Purdue University. He also is a graduate of the Engineer Officer's Basic Course, Advanced Course, Command & General Staff College & the Army War College. Colonel Butler's awards include the Meritorious Service Medal with five oak leaf clusters, the Army Commendation Medal with oak leaf cluster, the Army Achievement Medal, Army Expeditionary Medal, Armed Forces Service Medal, National Defense Service Medal, NATO Medal & Parachute Badge. Colonel Butler is a Registered Professional Engineer in Virginia. He is a member of the Society of American Engineers, American Public Works Association, Engineer Regimental Association, Association of the United States Army & Army War College Alumni Association.

R. Max Peterson, Executive Vice-President International Association of Fish & Wildlife Agencies

On January 1, 1989, Mr. Peterson succeeded Jack Berryman as Executive Vice-President of the International Association of Fish & Wildlife Agencies. The International Association of Fish & Wildlife Agencies, established in 1902, represents the state & provincial fish & wildlife agencies of the United States, Canada, & Mexico. Prior to his appointment as Executive Vice-President, Mr. Peterson served for 37 years in a variety of positions in the U.S. Forest Service, the last 7 years as Chief. Upon his retirement he was designated Chief Emeritus of the Forest Service by the Secretary of Agriculture.

In more than 40 years of work in natural resources, Mr. Peterson has served in a variety of regional, national & international organizations. He served as Chairman of the North American Forestry Commission from 1982 to 1984; Chairman of the FAO's Commission on Forestry; member

& Chairman of the National Conservation Committee of the Boy Scouts of America; member & Vice-Chairman of the Board of the Graduate School of the U.S. Department of Agriculture; & head or member of the U.S. Delegation to World Forestry Congresses in 1960, 1971, 1978 & 1986. Mr. Peterson received numerous honors including the University of Missouri Distinguished Service Award, the Advertising Council Award for Distinguished Public Service, the U.S. Department of Agriculture Distinguished Service Award, & the Presidential Rank of Distinguished Executive.

Mr. Peterson is a Fellow of the Society of American Foresters, a member of The Wildlife Society, a member of the American Society of Civil Engineers, & a Fellow in the Soil & Water Conservation Society. Both in 1990 & 1995, he has worked actively with 15 other non-governmental organizations to develop agreed-upon principles for important features of the Farm Bill such as the Conservation Reserve Program, Swampbuster, etc.

Frank R. Finch, P.E. Executive Director

Frank R. Finch, P.E., was appointed executive director of the South Florida Water Management District in June 1999. He leads the Florida share of a partnership with the federal government in the world's largest public works initiative (implementation of the Comprehensive Everglades Restoration Plan), 25 years of environmental improvement projects with an estimated cost nearing \$8 billion.

As the U.S. Army's top environmental officer at the Pentagon & director of Army environmental programs from 1994 to 1996, Mr. Finch directed a \$2 billion worldwide effort that included pollution prevention, restoration, conservation & compliance.

A former colonel in the U. S. Army Corps of Engineers, Mr. Finch served as commander & district engineer for two Corps districts — in Chicago from 1984-1987 & in Baltimore from 1990-1992. Mr. Finch was responsible for Chesapeake Bay restoration & wetlands protection programs & was awarded a commendation for his leadership.

In 1992, he was the lead engineer for the Department of the Defense in the emergency response to Hurricane Iniki's devastation on Kauai. The Federal Emergency Management Administration awarded Mr. Finch a commendation for his outstanding service.

He is a graduate of the U. S. Military Academy at West Point. He holds masters' degrees in civil engineering & management science from the University of California at Berkeley & is a Registered Professional Engineer.

Bios (cont'd)

Dr. Hal Stearns Brigadier General (Retired)

Teaching & the military have been the dual career paths of Dr. - Brigadier General Hal Stearns. In both areas he has found a niche & a calling to service. Hal has spent a lifetime studying, pondering & traveling his beloved American West. The rich literature, hardworking & persistent people, fascinating characters, telling events are all part of his history tales. He weaves the past & present, culture & geography into his interpretations of the West.

Hal's career has included teaching at the high school level in Montana & Germany. He was honored as Montana's Teacher of the Year & as Montana's Outstanding U.S. History Teacher, & was commended for his teaching by U.S. West Corporation. He also taught & administered graduate programs for the University of Montana. His other career has been the Montana Army National Guard where he attained the rank of brigadier general.

His undergraduate degree is from the University of Notre Dame & his advanced degrees are from the University of Montana. His military schools include OCS, Command & General Staff & the Army War College.

Dr. Stearns served terms on Montana's Coal Board, Law Foundation & Committee for the Humanities. He is a current member of the Lewis & Clark Bicentennial Commissions in Montana & Nebraska. He is married to Dr. Shelia Sterns, President of Nebraska's Wayne State College. They have two children.

At present, Hal is a researcher, writer & lecturer on the Great Plains & American West. He is a frequent speaker-historian across the United States, especially on the Lewis & Clark Expedition. He is also a historian for a number of tour groups following the Lewis & Clark Trail, is on the speakers' Bureau for the Nebraska & Montana Humanities Councils & speaks to many educator groups on "The Magic of Teaching."

Lori S. Geckle Environmental Protection Specialist Health Risk Communication Office U.S. Army Center for Health Promotion & Preventive Medicine (USACHPPM)

Ms. Geckle has more than 13 years of experience in the environmental risk communication field. As a senior project officer with USACHPPM, she has provided risk communication support for a wide variety of environmental, health, safety, and wellness issues throughout the Department of

Defense worldwide. Ms. Geckle's specialty areas include risk communication consultation support and training; restoration advisory board (RAB) support; community involvement/ outreach planning and implementation; community interviews and surveys; coordinating public meetings, and audience analysis. She has also developed new training modules related specifically to communicating health issues, and regularly provides training at conferences, Army schools and installations nationwide.

Ms. Geckle's most notable projects include providing risk communication support to the Army's Chemical Weapons Disposal Program; providing risk communication support to the U.S. 8th Army (Korea) on a release of formaldehyde in the summer of 2000; coordinating an evaluation of a select group of Army Restoration Advisory Boards (RAB) nationwide; and serving on the Department of Defense RAB Working Group. She has developed, managed, and evaluated numerous community outreach strategies, from the community interview phase to full implementation.

Ms. Geckle holds a Bachelor of Science degree in Education from the University of West Chester, PA, and is actively pursuing an Environmental Technology certificate to strengthen her science background. She is also a member of the Society for Risk Analysis, Risk Assessment and Policy Association, and the International Association for Public Participation.

Poster Sessions: Exhibit Hall/Grand Ballroom

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| ■ Leadership Development Program | Kevin Paff | ■ Regional Economic Impacts | Wen Chang |
| ■ NRM Career Development | Bonnie Bryson | ■ Conservation USA | Tim Beaty
Rick Mcgee |
| ■ Asset Management Plan | Mark Eddings | ■ Bald Eagle Nests in Kansas City District | Mike Watkins |
| ■ Cooperating Associations | Nancy Rogers | ■ Spill Response & Support | Jerry Balcom |
| ■ Public Lands Day | Phil Holcomb
Miles Johnson | ■ Dealing with Meth Labs | Donna Martindale
Wendy Alenduff |
| ■ Willamette Valley Project Watershed Initiatives | Rick Hayes | ■ Bio-remediation of Eroded Shorelines | Al Sutlick |
| ■ Purple Martins/Turtles | Kat Beal | ■ Fender's Blue Butterfly | Paul Severns |
| ■ Recreation.gov | Frank Star | ■ Using Stakeholders in Strategic Planning | Eric Petersen |
| ■ Volunteer Clearing House | Carolyn Bauer | ■ Environmental Education | Anjna O'Connor |
| ■ Fire Management | Diane Parks
Mark Rosenthal | ■ Native Landscaping | Ernest Eberle |
| ■ Accessibility | National Center for
Accessibility | ■ Boating Capacity | Danny Keir
John Titre |
| ■ High Resolution Satellite Imagery for NRM | Mark Graves | ■ Partners in Flight/Bird Conservation on
DOD Lands | Rich Fischer |
| ■ Sign Program | Debra Stokes
Henrik Strandkov | ■ Bat Management | Chester Martin |
| ■ NSPR/NRPA | Mike Carey | ■ Most Unusual ERGO Findings | Mike Seal
Susan Hampton
Mary Burrow |
| ■ Groundwater Modeling | Earl Edris | ■ Huntsville Division – PROSPECT Classes | Janie Hughes
Joy Rodriguez |
| ■ Watchable Wildlife | Joe Holmberg | ■ Lewis & Clark Bicentennial | Jean Nauss
Craig Rockwell
Ken Wilk |
| ■ IWR-Plan Decision Support Software:
A Tool to Evaluate the Cost Effectiveness
of Environmental Alternatives | Leigh Skaggs
Bruce Carlson | ■ Lower Snake River Salmon Study | Dave Dankle |
| ■ Tracking Training Records in CEFMS | Larry Homich | ■ Cape Cod Canal Interpretation | Samantha Mirabella |
| ■ Pittsburgh Osprey Management Program | Mike Fowles | ■ Hydrologic Landscapes | Dave Wolock (USGS) |
| ■ OMP Format & Content – Shared Examples | Robin Norris | ■ OMB Approved Surveys | Scott Jackson |
| ■ NWD Mission & Purpose Statement | Don Dunwoody | | |
| ■ Recreation Management Support Program | Scott Jackson
Dan Bentley | | |
| ■ NRM Gateway Initiative | Kathy Perales | | |

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