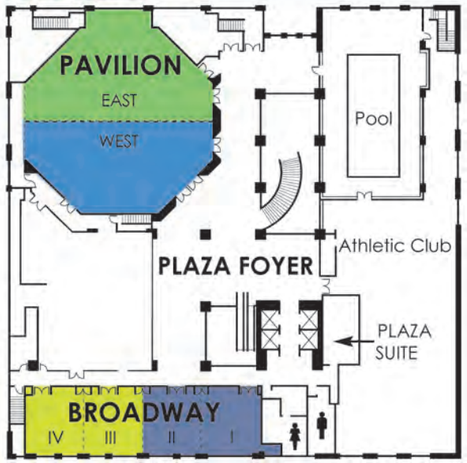
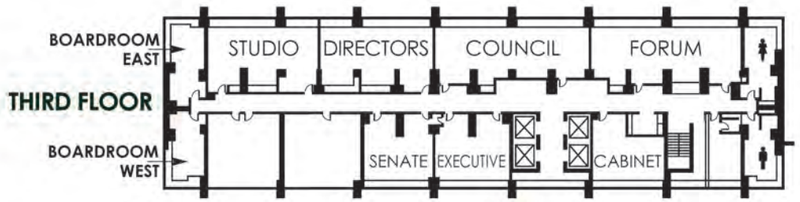
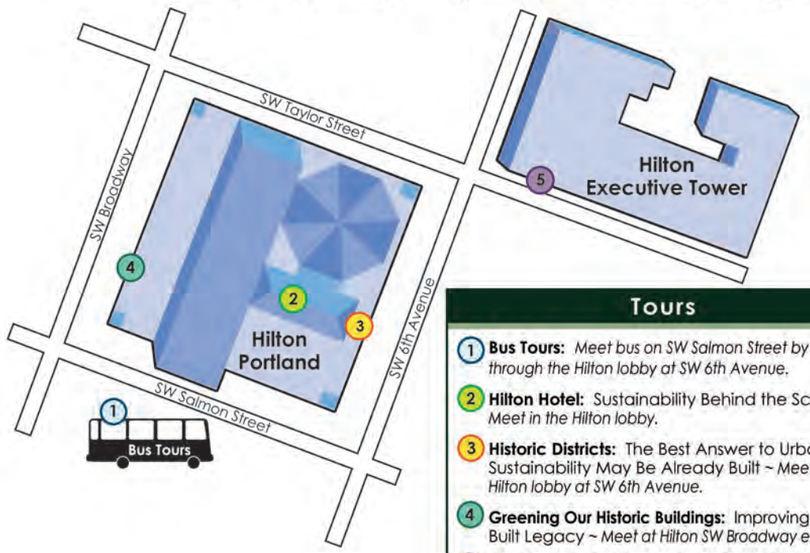
2010 DOI CONFERENCE ON THE ENVIRONMENT

PLAZA LEVEL



BALLROOM LEVEL





Tours

1. **Bus Tours:** *Meet bus on SW Salmon Street by exiting through the Hilton lobby at SW 6th Avenue.*
2. **Hilton Hotel:** Sustainability Behind the Scenes ~ *Meet in the Hilton lobby.*
3. **Historic Districts:** The Best Answer to Urban Sustainability May Be Already Built ~ *Meet in the Hilton lobby at SW 6th Avenue.*
4. **Greening Our Historic Buildings:** Improving on Our Built Legacy ~ *Meet at Hilton SW Broadway entrance.*
5. **City Roots to Rooftops:** Pedestrian Tour through the City's Eco-District and Beyond ~ *Meet in lobby of Hilton Executive Tower.*

Map Legend

- **PLENARY SESSIONS**
  Grand Ballroom
  Opening Plenary Session
  Tuesday, 8:30 – 10 a.m.
  Closing Plenary Session
  Thursday, 8:30 – 10 a.m.
- **EXHIBIT HALL**
  Poster Session
  Opening Reception
  Continental Breakfast
  Breaks
- **TRACK 1**
  Climate Change
  Pavilion East
- **TRACK 2**
  Sustainable Practices 1
  Galleria South
- **TRACK 3**
  Sustainable Practices 2
  Galleria North
- **TRACK 4**
  Resource Conservation 1
  Broadway I / II
- **TRACK 5**
  Resource Conservation 2
  Broadway III / IV
- **TRACK 6**
  Environmental Collaboration 1
  Parlor A / B
- **TRACK 7**
  Environmental Collaboration 2
  Parlor C
- **TRACK 8**
  Environmental Remediation and Current Technologies
  Pavilion West

2010 DOI CONFERENCE ON THE ENVIRONMENT

Executive Steering Committee
OEPC, Willie Taylor, Co-chair
NPS, Steve Whitesell, Co-chair
BIA, Judy Wilson
BLM, Marci Todd
BOR, Roseann Gonzales-Schreiner
FWS, Bryan Arroyo
MMS, James F. Bennett
NBC, Donald Swain
OEPC, Kathleen Bartholomew
OSM, Sterling Rideout
USGS, Esther Eng

Special thanks to the members of the 2010 DOI Conference on the Environment subcommittees.

OEPC, Katie Chiang
NPS, Jim Gasser

Track Leads
BLM, Suzanne Buntrock
BLM, Robert Jolley
BLM, Miyoshi Stith
CADR, David Emmerson
FWS, Laura Norcutt
MMS, Mike Rasser
MMS, Janine Tobias
NPS, Shawn Norton
NPS, Carl Wang
PPA, Indur Goklany

Tours
OEPC, Allison O'Brien
OEPC, Mandy Stanford

Posters
OEPC, Emily Joseph
OEPC, Ryan Sloan

Trainings
NBC, Gay Bindocci

Exhibits
BLM, Alfred Elser
BLM, Karl Osvald

We extend our thanks and appreciation to the abstract reviewers.

Conference Management by Impact Associates, Inc.

Portland, Oregon
Hilton Portland & Executive Tower
April 26 - 30, 2010

Welcome to Portland, Oregon and the 2010 Department of the Interior Conference on the Environment!

Please take advantage of this unique opportunity to meet new people from various locations across the Department. This event brings together the Department's environmental professionals with a wide range of talent and expertise. Please share your experiences and learn new and improved ways to address the challenges that we face every day.

The topics covered in this Conference are designed to address the Secretary's high priority goals, including water conservation, renewable energy resources, mitigating climate change on our lands, and involving youth in natural resource conservation. The program also builds on the Department's role as a leader in natural and cultural resource management, science, conservation, and sustainability.

During your time here, please enjoy the city and see the remarkable environmental programs being implemented here. Portland was selected as the location for this Conference because of the sustainable activities in the city. This Conference's tours highlight both the city's efforts in sustainability and some impressive bureau sites.

Thank you for joining us this week to take part in this event. Resources are scarce and your time is precious. I am confident that your decision to attend this Conference will be rewarded with new insights into your role at the Department and renewed energy for our mission.

Rhea Suh
Assistant Secretary – Policy, Management and Budget

Training Sessions

Monday, April 26, 2010		
8 a.m. - 5 p.m.	Effective Public Participation for Environmental Projects	Broadway I, Plaza Level
8 a.m. - 5 p.m.	Environmental Management System Training for National Park Service Internal Auditors	Broadway III & IV, Plaza Level
1 - 2 p.m.	Addressing Greenhouse Gases and Climate Change in NEPA Documents	Council, Third Floor
1 - 5 p.m.	Environmental Management System (EMS) Implementation Training	Pavilion East, Plaza Level
1 - 5 p.m.	Invasive Species Risk Assessment and Prevention Planning	Forum, Third Floor
1:30 - 6 p.m.	A Symposium on Science to Inform Landscape Conservation Cooperatives and other DOI Management Issues	Pavilion West, Plaza Level
2 - 5 p.m.	Managing Scoping Meetings in Rural Communities	Broadway II, Plaza Level
2 - 5 p.m.	Workshop on How to Use Cooperative Ecosystem Studies Units	Galleria North, Ballroom Level
3 - 5 p.m.	Conducting a GHG Emission Inventory Using the NPS's CLIP Tool	Council, Third Floor
Friday, April 30, 2010		
8 a.m. – 5 p.m.	HAZWOPER Training	Galleria North, Ballroom Level

Registration Open Monday, Noon - 6 p.m. and Tuesday - Thursday, 8 a.m. - 5 p.m., Ballroom Level.
Please deposit your name badge sleeve in a designated bin in the conference area when you leave.

Room	Pavilion East	Galleria South	Galleria North	Broadway I / II	Broadway III / IV	Parlor A / B	Parlor C	Pavilion West	Room
Track	Climate Change	Sustainable Practices 1	Sustainable Practices 2	Resource Conservation 1	Resource Conservation 2	Environmental Collaboration 1	Environmental Collaboration 2	Environmental Remediation and Current Technologies	Track
Tuesday, April 27, 2010									
8:30 – 10 a.m.	***Opening Plenary Session, Grand Ballroom I / II*** Master of Ceremonies Welcome Address Departmental Address Keynote Address Willie Taylor, Acting Deputy Assistant Secretary, Policy and International Affairs Sam Adams, Mayor, City of Portland Laura Davis, Associate Deputy Secretary Michelle Moore, Federal Environmental Executive								8:30 – 10 a.m.
10 – 10:20 a.m.	Break in Exhibit Hall								10 – 10:20 a.m
10:30 a.m. – Noon	**1. Climate Change Past, Present and Future** ◆ Climate Change – Past, Present, and Future	**2. Sustainable Practices: Management Topics** ◆ Facilities Condition Assessment System ◆ What is the 15% Sustainable Building Requirement and What Does It Mean To Me?	**3. Fleet, Roads and Renewables** ◆ So You Want to do a Renewable Project? ◆ Sustainable Fleet Management in OR/WA BLM ◆ Sustainability Best Practices for the Federal Lands Highway Program (FLHP)	**4. Renewable Energy** ◆ The Legal Essentials of Renewable Energy Authorization on BLM Lands ◆ Solar Energy's Dirty Secrets - Xanterra's Death Valley PV Facility ◆ Offshore Wind Farms Around the World and Assessment of Bird Collisions ◆ Renewable Energy Program of the Bureau of Land Management	**5. Protected Species** ◆ International Migratory Bird Restoration - Emerging Opportunities ◆ Creature Features: ESA Incidental Take Permits and the NHPA ◆ Endangered Species Act Obligations During and Following an Emergency Response ◆ Marine Wildlife Conservation Success, Where More People Equals More Seabirds!	**6. Collaboration to Save Wildlife** ◆ Snowy Plover Recovery: A Successful Collaboration in Oregon ◆ Upper Colorado Endangered Fish Recovery Program Capital Projects ◆ Collaboration for Pallid Sturgeon and Ecosystem Restoration - Yellowstone River	**7. The Law and Policy of Partnering** ◆ The Practice of Partnering: Policy and Legal Considerations	**8. Contaminated Sites - Legal Issues** ◆ Departmental Challenges and Opportunities ◆ Achieving Good Government when DOI is both Trustee and PRP	10:30 a.m. – Noon
Noon – 1:30 p.m.	Lunch on Own				Lunch on Own				Noon – 1:30 p.m.
1:30 – 3 p.m.	**9. Climate Change Approaches to Consider** ◆ Adapting to Climate Change through Regional Agency Partnerships ◆ Preparing Protocol Compliant GHG Emission Inventories within DOI ◆ Creating an Integrated National Carbon Cycle Model	**10. Green Buildings** ◆ High Performance Sustainable Buildings Pave the Way to Carbon Neutrality ◆ Building Green While Maintaining Traditional National Park System Values ◆ Bureau of Indian Affairs Nazlini Net Zero Energy Fire Station	**11. Working with Your Utility Company to Meet Energy Goals** ◆ Energy Projects at your Sites: Partnering with your Utility Company ◆ Utility Energy Services Contracts for Meeting Energy Goals	**12. Climate Change and Resource Conservation** ◆ Applying Probabilistic Sea-level Rise Impact Assessments to DOI Management Needs ◆ Pacific Islands Climate Change Cooperative ◆ Strategic Planning in a Complex Landscape Impacted by Climate Change	**13. Ecological Restoration** ◆ Forest Ecosystem Restoration on Reclaimed Coal Mines ◆ Field GPS vs. Remote Sensing for Landform Review ◆ Spoil to Splendor: A Story of Chesapeake Bay Island Restoration	**14. Collaboration in the Field** ◆ Wyoming Landscape Conservation Initiative: A Collaborative Science-Based Approach ◆ Southern Oregon Small Diameter Collaborative Assessment ◆ NPS Community Assistance in Corridor Planning	**15. Partnering with Youth** ◆ Bridging the Watershed: From Student to Steward and Scientist ◆ Field Inquiry Research Experience: FIRE Up for Summer ◆ Biologist-in-Training: Fostering a Greater Sense of Stewardship in our Youth	**16. Site Characterization and Cleanup** ◆ Small Arms Firing Range Cleanup With Lead Recycling ◆ Characterization of Lead-Arsenic-Contaminated Soils, Jacobs Smelter Superfund Site, Stockton, UT ◆ Incremental vs. Discrete Sampling to Attain Risk-Based Site Characterization Objectives	1:30 – 3 p.m.
3 – 3:20 p.m.	Break in Exhibit Hall								3 – 3:20 p.m.
3:30 – 5 p.m.	**17. DOI Greenhouse Gas Overview** ◆ What is the DOI Twenty Percent Greenhouse Gas Emission Reduction Goal, and What Does It Mean to Me? ◆ Facility Adaptation for Climate Change Using GIS and Asset Data	**18. Getting to LEED Platinum** ◆ Getting to LEED Platinum: Lessons Learned from NPS Projects	**19. Greening Procurement and Concessions** ◆ Greening Commercial Services Through Green House Gas Reduction Strategies ◆ Greening Acquisition and Strategic Sourcing	**20. Energy** ◆ Multipurpose Marine Cadastre: A GIS-based Marine Information System and Portal ◆ Oil Shale -- A Case Study in Unconventional Energy ◆ Socio-Environmental Implications of OCS Oil/Gas Development ◆ Science for Marine Spatial Planning on the Outer Continental Shelf	**21. Ecology** ◆ Use of Adaptive Management in South San Francisco Bay Restoration ◆ Defining Meaningful Desired Future Conditions for Natural Resources ◆ Emergency Response Planning ◆ Ecoregional Assessments and Environmental Change Agents	**22. Using Technology to Promote Collaboration** ◆ NPS PEPC Public Comment Web-Based Mapping System ◆ Prototype for a Virtual Federal Herbarium ◆ NEPAssist	**23. Engaging Youth and Rural Communities** ◆ Engaging Youth and Rural Communities in Reclamation - Creatively	**24. GIS Datasets and Applications** ◆ What's Happening with the National Hydrography Dataset Plus (NHDPlus)? ◆ Using the USGS StreamStats Web Application for DOI Resource Management ◆ Using "eGIS" in the Resource Management Planning Process	3:30 – 5 p.m.
6 – 8 p.m.	Opening Reception in Exhibit Hall								6 – 8 p.m.
Wednesday, April 28, 2010									
8:30 – 10 a.m.	**25. Climate Change Land, Water, and Facilities** ◆ Climate Change - Opportunities and Challenges for the Department of the Interior ◆ Social and Economic Dynamics of Water Demand and Climate Change ◆ Connecting the Dots . . . Improving Understanding of Climate Change Through Improved Information Resource Management	**26. Historic Building Challenges in a Green World** ◆ If These Walls Could Talk: Opportunities and Challenges in Maintaining and Reusing Historic Buildings	**27. Energy Savings Performance Contracts: How and Why** ◆ Innovative Use of Energy Savings Performance Contracts ◆ Using ESPCs to Improve Agency Facilities and Meet Energy Goals	**28. Learning to Share Water the Walla Walla Way** ◆ Learning to Share Water the Walla Walla Way	**29. Historical and Cultural Resources** ◆ Spatial Video Documentation: PDQ Support for Cultural Resource Conservation ◆ Economic Impact of the Department of the Interior's Programs and Activities ◆ Air Pollution Interactions with Consolidated Stone	**30. Collaborating through NEPA** ◆ Evaluating a Negotiated Rulemaking Process at Cape Hatteras National Seashore ◆ NEPA Public Outreach through Establishment of an Advisory Council ◆ Gaining Consensus on NEPA Strategic Planning Elements	**31. Partnering and Communities** ◆ Moving Forward with Partnerships at Boston Harbor Islands ◆ An Assessment of Tribal Water Resources in Western Washington ◆ Partnership Capacity Building: Lessons Learned From the Willamette River	**32. Environmental Liabilities** ◆ Identifying and Reporting Environmental and Disposal Liabilities: An Overview ◆ Embracing Your Inner Auditor – Demystifying EDL Reporting ◆ Estimating Asbestos Contingent Liability in the National Park Service	8:30 – 10 a.m.
10 – 10:20 a.m.	Break in Exhibit Hall								10 – 10:20 a.m.
10:30 a.m. – Noon	**33. E.O. 13514 and Greenhouse Gas Emissions: Getting Ready to Report** ◆ E.O. 13514 and Greenhouse Gas Emissions: Getting Ready to Report	**34. Historic Buildings and the Materials Extended Life Tool** ◆ Historic Buildings: Greener than Green ◆ The Challenges of Upgrading Historic Properties for Sustainability ◆ Materials Extended Life Tool (MELT)	**35. EMS and Sustainability** ◆ Critical Elements to Develop, Mature and Move Forward on EMS ◆ Using EMS to Meet E.O. 13514 Sustainability Goals ◆ Conducting Building Energy Audits	**36. Emergency Response** ◆ Effective Resource Advising	**37. NEPA and Legal** ◆ Considerations for Incorporating Climate Change into the NEPA Process ◆ Cause and Effect in NEPA: Recent Case Law ◆ A New Federal Law For Paleontological Resources	**38. Engaging Stakeholders** ◆ Engaging Stakeholders in Collaborative Partnerships to Address Environmental Justice ◆ Collaborative Stakeholder Engagement and ADR: Natural Resources Projects, Plans, Decisions ◆ Proactive Outreach as a Critical Factor in Project Success	**39. Partnering in the Greater Yellowstone Area** ◆ Yellowstone Environmental Coordinating Committee (YECC), the Power of Partnerships	**40. DOI Munitions Contamination Issues** ◆ DOI Munitions Contamination Issues	10:30 a.m. – Noon
Noon – 1:30 p.m.	Lunch on Own				Lunch on Own				Noon – 1:30 p.m.
	Bus Tour 1 (12:30 – 6 p.m.) *Wildwood Recreation Site and Cascade Streamwatch Project: A Cooperative Conservation Success Story*	***Bus Tour 2 (1 – 5:30 p.m.)*** *Fort Vancouver National Historic Site: Sustainability in Action*	***Bus Tour 3 (1 – 5 p.m.)*** *Tualatin River National Wildlife Refuge: Connecting Kids with Nature through Community Partnerships*	***Bus Tour 4 (12:30 – 6 p.m.)*** *The Evolving Landscape of the Columbia River Gorge*	***Local/Walking Tour 5 (1:30 – 3 p.m.)*** *Hilton Hotel: Sustainability Behind the Scenes* ***Local/Walking Tour 5 (3:30 – 5 p.m.)*** *Hilton Hotel: Sustainability Behind the Scenes*	***Local/Walking Tour 6 (1:30 – 3 p.m.)*** *Historic Districts: The Best Answer to Urban Sustainability May Be Already Built* ***Local/Walking Tour 6 (3:30 – 5 p.m.)*** *Historic Districts: The Best Answer to Urban Sustainability May Be Already Built*	***Local/Walking Tour 7 (1:30 – 3 p.m.)*** *Greening Our Historic Buildings: Improving on Our Built Legacy* ***Local/Walking Tour 7 (3:30 – 5 p.m.)*** *Greening Our Historic Buildings: Improving on Our Built Legacy*	***Local/Walking Tour 8 (1:30 – 3 p.m.)*** *City Roots to Rooftops: Pedestrian Tour through the City's Eco-District and Beyond* ***Local/Walking Tour 8 (3:30 – 5 p.m.)*** *City Roots to Rooftops: Pedestrian Tour through the City's Eco-District and Beyond*	
	Bus tours meet on Salmon Street, between 6th and Broadway. Please arrive 15 minutes early as buses will leave promptly.								
Thursday, April 29, 2010									
8:30 – 10 a.m.	***Closing Plenary Session, Grand Ballroom I / II*** Master of Ceremonies Plenary Address Host Address Assistant Secretary's Address Willie Taylor, Acting Deputy Assistant Secretary, Policy and International Affairs Susan Anderson, Director, City of Portland Bureau of Planning and Sustainability Dan Wenk, Deputy Director, National Park Service Rhea Suh, Assistant Secretary, Policy, Management and Budget								8:30 - 10 a.m.
10 – 10:20 a.m.	Break in Exhibit Hall								10 – 10:20 a.m.
10:30 a.m. – Noon	**41. Climate Change - Adaptation** ◆ Invasive Species and Climate Change - A Complex Picture ◆ Update on National Climate Change and Wildlife Science Center ◆ Climate Change Adaptation Options for Public Lands and Resources	**42. DOI Environmental Management System Projects** ◆ Overview of the Departmental EMS and Bureau Pilot Projects	**43. Strategic Sustainability Performance Plan** ◆ The DOI Strategic Sustainability Performance Plan ◆ NPS Sustainable Facilities Strategic Plan	**44. Water Resources** ◆ Assessing Groundwater Availability for the Nation ◆ BMPs for Stormwater and Topsoil on Natural Gas Pads ◆ Drought Vulnerability on BLM Lands in the Southwestern U.S.	**45. Ecosystem Protection** ◆ Ecosystem Services: Department of the Interior Programs and Research ◆ Operations and Maintenance in the LANDFIRE Program ◆ The Palmyra Atoll Research Consortium, a Unique Scientific Partnership	**46. The Value of Local Cooperating Agencies in NEPA** ◆ The Value of Local Cooperating Agencies in NEPA ◆ DOI's Role in Seafloor Mapping on the U.S. West Coast ◆ West Coast Governors' Agreement on Ocean Health: A New Regional Collaboration Effort on Marine Renewable Energy	**47. Ocean and Coastal Partnering** ◆ DOI: Advancing the President's National Ocean Policy ◆ The Coastal America Partnership: A Public-Private Collaboration for Conservation	**48. CHF Management** ◆ Project Management Planning (from a CHF Perspective) ◆ Crab Orchard National Wildlife Refuge - Superfund Site ◆ Green Remediation	10:30 a.m. – Noon
Noon – 1:30 p.m.	Lunch on Own				Lunch on Own				Noon – 1:30 p.m.
1:30 – 3 p.m.	**49. Phenology and Global Change: Applications for Science, Management and Education** ◆ Phenology and Global Change: Applications for Science, Management and Education	**50. Sustainable Practices in Action** ◆ Operating Instructions: Sustainability Resource Manual Helps Navigate the Regulatory Maze ◆ BLM Oregon/Washington Biomass Initiative ◆ Achieving an 80% Solid Waste Diversion Rate	**51. Environment, Energy and Transportation Management Requirements - What This Means to You** ◆ Environment, Energy and Transportation Management Requirements - What This Means to You	**52. Parks and Recreation** ◆ Protecting Starry Night Skies on Public Lands ◆ Air Quality Modeling in Service of the National Parks ◆ Conservation-based Recreation in Oregon's Sandy River Basin	**53. Invasive Species** ◆ Exercise those Mussels - Enhancing Preparedness for Aquatic Invasive Species ◆ Environmental Assessment for NPS Alaska Region Invasive Plant Management Plan ◆ Invasive Species - Science in Action for Conservation Partnerships	**54. National Parks: Stories of Third-Party Mediation** ◆ National Parks: Stories of Third-Party Mediation	**55. Tribal Consultation and ADR** ◆ Working Nation to Nation: Opportunities for Meaningful Collaboration and Consultation ◆ Addressing the Issues of Tribal Consultation under New Administrative Orders	**56. Oil Spills/Hazmat Releases Preparedness and Response** ◆ DOI Emergency Preparedness and Response to Oil Spills and Hazardous Materials Release	1:30 – 3 p.m.
3 – 3:20 p.m.	Break in Exhibit Hall								3 – 3:20 p.m.
3:30 – 5 p.m.	**57. Greenhouse Gas Emissions and Consideration of Climate Change in NEPA Documents** ◆ Greenhouse Gas Emissions and Consideration of Climate Change in NEPA Documents	**58. Final Sustainability Information to Take Home** ◆ Businesses Take Sustainability to the Ecosystem Scale across Greater Yellowstone ◆ U.S. Department of the Interior, Electronics Stewardship Program Overview	**59. Sustainable Practice Tips for Success** ◆ Improving Environmental Information Management Using the DOI SharePoint Portal ◆ Presenting BLM's Guidelines for a Quality Built Environment ◆ Pursuing the Sustainability Pennant: Who's on First?	**60. Resource Protection** ◆ 3-D Seismic to Predict Distribution of Gulf Deepwater Communities ◆ Prehistoric Indigenous Responses to Climate Change: Implications for Ecological Management of Co-Evolved Landscapes ◆ Effects and Regulation of Offshore Industry - Produced Sounds on Marine Life ◆ The Costs of Chronic Noise Exposure for Wildlife	**61. Natural Resource Conservation** ◆ Proximate Cause and "No Action" Trajectory in Cumulative Effects Analysis ◆ Pipelines and Stream Crossings: A New Tool for Determining Relative Risk	**62. Deriving Greater Value from Public Comment** ◆ Large Case Commenting Analysis to Support a Learning System	**63. Partnering with Native Cultures** ◆ Enhancing Access for Native People with Disabilities ◆ Dena'ina and Federal Partnership to Protect the Chulitna River-Sixmile Lake Watershed, a Keystone Cultural Landscape ◆ A Unique Approach to Range Surveys on Tribal Lands	**64. Remediation Technology** ◆ Bioreactor Performance at the Forest Queen Mine ◆ Exell Helium Plant Remediation and Regulatory Closure ◆ Remedial Technologies for Mine Wastes - An ITRC Web Based Guidance	3:30 – 5 p.m.

- This program is printed on Mowhawk Via 100% post-consumer recycled paper, manufactured with Green-e certified wind power, and FSC certified.
- The Hilton Portland & Executive Tower – the host venue for the 2010 DOI Conference on the Environment – is the largest Green Seal Certified hotel on the West Coast.
- Tour motor coaches are powered with a bio-diesel blend of fuel.
- Following the conclusion of the conference, all attendees will receive a personalized e-mail with a unique user name and password to access the conference proceedings online and complete an evaluation.