

National Tribal Forum on Environmental Science

Quinault Beach Resort and Casino
78 State Route 115
Ocean Shores, WA 98569



Sponsored by the National
EPA-Tribal Science Council
(TSC) and hosted by the
Quinault Indian Nation (QIN)

September 24-28, 2006
Agenda

Day 1 – Sunday, September 24, 2006

4:00 p.m. – 6:00 p.m. **Conference Registration**

Shuttle Bus Transportation will be offered free of charge from the Seattle-Tacoma International Airport to the Quinault Beach Resort and Casino. The transit departure times are: 10:00 a.m. (1:00 p.m. arrival), 1:00 p.m. (4:00 p.m. arrival) and 3:00 p.m. (6:00 p.m. arrival).

7:00 p.m. – 10:00 p.m. **Quinault Indian Nation Welcome**

Day 2 – Monday, September 25, 2006

7:00 a.m. – 8:00 a.m. **Conference Registration/Continental Breakfast**

8:00 a.m. – 9:15 a.m. **Formal Welcoming Session**

9:15 – 10:15 a.m. **Keynote Speaker**
Oren Lyons

10:15 – 10:30 a.m. **Morning Break**

10:30 – 12:00 noon **AK Global Climate Change**
Lydia Olympic

American Indian Alaska Native Climate Warming Working Group: A Red Paper
Daniel R. Wildcat, Margaret Hiza-Redsteer, and Roberto Gonzalez-Plaza

12:00 – 1:00 p.m.

Lunch (Sponsored by the Quinault Beach Resort)

1:00 p.m. – 6:00 p.m.

Field Trip #1: Beach
Field Trip #2: Rain Forest

Take Shuttle
 Outside Lobby

6:00 p.m. – 8:00 p.m.

Reception and Poster Session/Tribal Success Stories
Reception Sponsored by Fond du Lac Reservation

Day 3 – Tuesday, September 26, 2006

7:00 a.m. – 8:00 a.m.

Conference Registration/Continental Breakfast

8:00 a.m. – 9:45 a.m.

Breakout Sessions and Training

<p>Ballroom #1 Air Pollution Transport <i>Facilitators: Christine Berini and David LaRoche</i></p> <p>Identifying Transport Pathways Using the HYSPLIT Model <i>Glenn Gehring</i></p> <p>Petroleum Coke Dust Emissions From Open Boxcars Along the Shoreline of North Puget Sound, Washington <i>Tony Basabe</i></p>	<p>Ballroom #2 Water <i>Facilitators: Robert Hillger and Dan Kusnierz</i></p> <p>Monitoring the Water Quality at Boyden, Lake After Repairing the Fish Ladder <i>Steve Crawford</i></p> <p>Potential Effects of Suburbanization on the Water Quality and Quantity of Boiling Springs, a Sacred Area, to the Shakopee Mdewakanton Dakota Community, Scott County, Minnesota <i>Lanya Ross</i></p>	<p>Ballroom #3 Training: Risk Assessment and EPA/Tribal Cases <i>Facilitators: Tony David and Rita Schoeny</i></p> <p>Risk Assessment Overview <i>Rita Schoeny</i></p>	<p>Ballroom #4 Training: Data Management for Water Monitoring (All Day) <i>Facilitators: Elizabeth Wendt</i></p> <p>Tribal Clean Water Act (CWA) 106 Guidance Overview <i>Carol Russell, EPA R8</i></p> <p>Data Storage <i>Eric Wilson, EPA R9</i></p>
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9:45 a.m. – 10:00 a.m. **Morning Break**

10:00 a.m. – 11:45 a.m. **Breakout Sessions and Training**

<p><u>Ballroom #1</u> Indoor Air <i>Facilitators: Christine Berini and David LaRoche</i></p> <p>Tribal Science in Action Case Studies from Bois Forte Environmental Services IAQ Program <i>Kevin Koski</i></p> <p>Mold: Mycotoxins, Indoor Air Health Crisis in Indian Country <i>Curtis Munoz</i></p>	<p><u>Ballroom #2</u> Water <i>Facilitators: Robert Hillger and Dan Kusnierz</i></p> <p>Developing Reference Water Quality Conditions for the Pueblo de Taos, New Mexico <i>Robert Gomez and Jeff Ogburn</i></p> <p>The Development of Water Quality Standards on the Pyramid Lake Paiute Indian Reservation <i>Daniel Mosley</i></p>	<p><u>Ballroom #3</u> Training: Risk Assessment and EPA/Tribal Cases <i>Facilitators: Tony David and Rita Schoeny</i></p> <p>A Risk Analysis for Contaminated Sportfish <i>Tony David</i></p> <p>Using GIS to measure vulnerability and risk associated with UST's <i>Frank Harjo</i></p>	<p><u>Ballroom #4</u> Training: Data Management for Water Monitoring (All Day) <i>Facilitators: Elizabeth Wendt</i></p> <p>Data Storage (continues)</p> <p>Tribal Perspective: Region VIII Tribal Water Quality Data Management Model <i>Christa Tyrell, Fort Peck Assiniboine and Sioux Tribes; and Dave Wilcox, Gold Systems</i></p>
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11:45 a.m. – 1:00 p.m. **Lunch Buffet Sponsored by Quinault Beach Resort & Casino**

1:00 p.m. – 2:45 p.m.

Breakout Sessions and Training

<p>Ballroom #1 Earth <i>Facilitators: Marshall Cheung and Tom Baugh</i></p> <p>Groundwater Heating in Forested Wetlands: A Pilot Study in the Hoh River Watershed <i>Jill Silver</i></p> <p>An Investigation of the Possibility of Mixing of Waters in After-Action Monitoring Wells in Ottawa County, Oklahoma <i>Tim Kent</i></p>	<p>Ballroom #2 Water and Community Health <i>Facilitators: Troy Pierce and Patti Tyler</i></p> <p>Source Water Protection Planning in a Shallow Alluvial Aquifer <i>Dale Becker and Samuel Iwenofu</i></p> <p>Potential Contribution of the Burden of Disease and Injury To Assess Community Health in Indian Country <i>Catherine Michaud</i></p>	<p>Ballroom #3 Training: Risk Assessment and EPA/Lifeline <i>Facilitators: Elizabeth Resek</i></p> <p>OPPTS Tribal Lifeline Project: Exposure and Risk Assessment Software for Tribal Communities and Other Unique Subpopulations <i>Anne Marie Chaisson and Christine F. Chaisson, The LifeLine Group</i></p>	<p>Ballroom #4 Training: Data Management for Water Monitoring (Continues) <i>Facilitator: Elizabeth Wendt</i></p> <p>Data Assessment/Analysis/Exercise <i>Gretchen Watkins, Lac Du Flambeau Band of Lake Superior Chippewa Indians with Carol Russell, EPA R8 and Jennifer Ousley, EPA R7</i></p>
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2:45 p.m. – 3:00 p.m.

Afternoon Break

3:00 p.m. – 4:45 p.m.

Breakout Sessions and Training

<p>Ballroom #1 Earth <i>Facilitators: Marshall Cheung and Tom Baugh</i></p> <p>Invasive Species Impacts in Indian Country <i>Robin Powell and Pyramid Lake Paiute Tribe</i></p> <p>Mercury Contamination of Cheyenne River Sioux Land <i>Dave Nelson, Cheyenne River Sioux Tribe</i></p> <p>Impacts of Climate Change and Land Use in the Southwestern United States Margaret Hiza-Redsteer</p>	<p>Ballroom #2 Water and Community Health <i>Facilitators: Troy Pierce and Patti Tyler</i></p> <p>Relationship Between In-Home Water Service and Acute Respiratory Infections Among Alaska Natives <i>Troy Ritter and Jeff Smith</i></p> <p>Improved Water Quality and Community Health in the Border Indigenous Communities of Baja California <i>Hiram Sarabia and Paula Stigler</i></p>	<p>Ballroom #3 Training: Risk Assessment and EPA/Lifeline <i>Facilitators: Elizabeth Resek</i></p>	<p>Ballroom #4 Training: Data Management for Water Monitoring (Continues) <i>Facilitators: Elizabeth Wendt</i></p> <p>Data Reporting/Exercise <i>Eric Wilson, EPA R9</i></p> <p>Closing Remarks <i>Carol Russell, EPA R8</i></p>
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4:45 – 5:45 p.m.

Northwest Indian College: An Introduction to the College and Discussion.
Refreshments will be served!

Day 4 – Wednesday, September 27, 2006

7:00 a.m. – 8:00 a.m. **Conference Registration/Continental Breakfast**

8:00 a.m. – 9:45 a.m. **Breakout Sessions and Training**

<p><u>Ballroom #1</u> Air <i>Facilitators: David LaRoche and Michele Dineyazhe</i></p> <p>Where Does the Dust Come From? An Analysis of Days with the Highest Particulate Concentrations on the Bishop Paiute Reservation, 2003-2006 <i>Toni Richards</i></p> <p>Eastern Shawnee Tribe of Oklahoma’s Method of Focusing Permit Review <i>April Crouch</i></p>	<p><u>Ballroom #2</u> Water <i>Facilitators: Troy Pierce and Dave Charters</i></p> <p>The Utility of Indices of Biological Integrity for Depressional Wetlands in Central Oklahoma <i>Dena Hartzell, Joseph R. Bidwell, and Craig A. Davis</i></p> <p>From Greens to Blue-Greens: An Investigation of Algal Blooms in the Penobscot River <i>Daniel Kusnierz, Penobscot Indian Nation</i></p>	<p><u>Ballroom #3</u> Overview of Science Grants and Tips for Successful Tribal Proposals (Includes PART) <i>Facilitators: Elizabeth Resek and Christine Berini</i></p> <p>Introduction to GPRA/Measures/PART <i>Elizabeth Resek, U.S. EPA</i></p> <p>Grant Writing Overview: What to Look For in an RFA; How to Partner With Academics and Other Institutions <i>Kathy Hill, J.D., LL.M.; and Joseph Dupris, Ph.D., J.D., Quail Plume Enterprises</i></p>	<p><u>Ballroom #4</u> Training: Overview of Water Quality Standards From a Tribal Perspective (All Day) <i>Facilitator: Nancy Schuldt</i></p> <p>Treatment as a State <i>Nancy Schuldt, Fond du Lac Band of Lake Superior Chippewa; Dan Mosely, Pyramid Lake Paiute; and Tracey Ledder, Bad River Band of Lake Superior Chippewa</i></p> <p>Use Classification System and Beneficial Uses <i>Nancy Schuldt, Fond du Lac Band of Lake Superior Chippewa; Margaret Watkins, Grand Portage Band of Lake Superior Chippewa; and Robert Gomez, Taos Pueblo</i></p>
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9:45 a.m. – 10:00 a.m. **Morning Break**

10:00 a.m. – 11:45 a.m.

Breakout Sessions and Training

<p>Ballroom #1 Panel and Dialogue Session: How can Tribal Colleges and Tribal government Environmental Programs Work Together for the Benefit of their Communities? <i>Facilitator: Dan Burns</i></p> <p>Panel Presentations: <i>Charlotte Clausing, Northwest Indian College; Lummi Nation; Dawn Thomas and Bill Swaney, Salish Kootenai College; Richard Janssen, Salish Kootenai Tribe; and Gary Halverson, Sitting Bull College</i></p>	<p>Ballroom #2 Water <i>Facilitators: Connally Mears and Dana Davoli</i></p> <p>Activities of the Grand Portage Reservation (Minnesota) To Protect and Restore the Aquatic Habitat and Reduce Biological Stressors in Lake Superior <i>Bradley Frazier</i></p> <p>Development of a Physical/Bioassessment Program on the Pyramid Lake Paiute Indian Reservation, Nevada <i>Daniel Mosley</i></p>	<p>Ballroom #3 Overview of Science Grants and Tips for Successful Tribal Proposals (Includes PART) <i>Facilitators: Elizabeth Resek and Christine Berini</i></p> <p>Grant Writing Overview: What to look for in an RFA; How to Partner with Academics and other Institutions (Continues)</p> <p>Regional Overview: Grant Workplans and Accountability <i>Elizabeth Wendt, U.S. EPA R7</i></p> <p>Navajo Nation National Science Foundation Grant <i>Dr. Willard Gilbert, Northern Arizona University</i></p>	<p>Ballroom #4 Training: Overview of Water Quality Standards From a Tribal Perspective (All Day) <i>Facilitator: Nancy Schuldt</i></p> <p>Antidegradation <i>Nancy Schuldt, Fond du Lac Band of Lake Superior Chippewa and Char Naylor, Puyallup Tribe</i></p> <p>Outstanding Reservation Resource Waters <i>Nancy Schuldt, Fond du Lac Band of Lake Superior Chippewa and Gretchen Watkins, Lac du Flambeau Band of Lake Superior Chippewa</i></p>
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11:45 a.m. – 1:00 p.m.

Lunch Sponsored by Best Western

1:00 p.m. – 2:45 p.m.

Breakout Sessions and Training

<p>Ballroom #1 Earth <i>Facilitators: Marshall Cheung and David Macarus</i></p> <p>U.S. Geological Survey (USGS) Projects Supporting Environmental Science on Tribal Lands <i>David Meyer</i></p> <p>EPA Indian General Assistance Program (IGAP) Success Stories: Nikolski Drum Cleanup and Pauloff Harbor Quality Assurance Project Plans (QAPP), Battery Cleanup, and Sampling, Aleutian Islands, Alaska <i>Chris Riggio</i></p>	<p>Ballroom #2 Culture and Community Health <i>Facilitators: Michael Callahan and Richard Janssen</i></p> <p>Quinault Indian Nation Development of Tribal Seafood Consumption Survey Software <i>Anna Towksjhea, Samuel Iwenofu, and Lon Kissinger</i></p> <p>Cultural Science and the Twenty-Nine Palms Tribe: A Native Paradigm <i>Clifford Trafzer, Willard Gilbert, and Anthony Madrigal</i></p>	<p>Ballroom #3 Overview: Quality Assurance Tools – Quality Assurance Project Plan (QAPP) Development Tool <i>Facilitators: Elizabeth Jackson, R9</i></p> <p>Quality Assurance Project Plan (QAPP) Development Tool <i>David Taylor, U.S. EPA R9</i></p>	<p>Ballroom #4 Training: Overview of Water Quality Standards From a Tribal Perspective (Continues) <i>Facilitators: Nancy Schuldt</i></p> <p>Criteria Development <i>Nancy Schuldt, Fond du Lac Band of Lake Superior Chippewa; Dan Mosely, Pyramid Lake Paiute; and Margaret Watkins, Grand Portage Band of Lake Superior Chippewa</i></p> <p>Implementation <i>Nancy Schuldt, Fond du Lac Band of Lake Superior Chippewa; Rick Gitar, Fond du Lac Band; and Paula Webster, Confederated Salish and Kootenai</i></p>
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1:00 p.m. – 5:30 p.m.

Tribal Science To Achieve Results (STAR) Grantees Progress Review

Grand Suite

2:45 p.m. – 3:00 p.m.

Afternoon Break

3:00 p.m. – 4:45 p.m.

Breakout Sessions and Training

<p>Ballroom #1 Earth <i>Facilitators: Rollie Hemmett and Dave Nelson</i></p> <p>Training: Tribal Emergency Management</p> <p>Overview of National Incident and Management System (NIMS) <i>AnJanette Fisher and Stacy Eich</i></p>	<p>Ballroom #2 Tribal Diet and Community Health <i>Facilitators: Michael Callahan and Richard Janssen</i></p> <p>Tribal Food Safety Initiative <i>John Persell</i></p> <p>A Tribal Monitoring Program To Assess the Human Tissue Accumulation and Health Effects of Persistent Organic Compounds and Heavy Metals Consumed in the Traditional Diet in Rural Alaska Native Mothers and Infants <i>Martina Lauterbach, R.N.</i></p>	<p>Ballroom #3 Overview: Quality Assurance Tools – Turbo QAPP <i>Facilitators: Elizabeth Jackson, Gabriel Gorbet</i></p> <p>Turbo QAPP <i>Melinda Ronca-Battista, Institute for Tribal Environmental Professionals</i></p>	<p>Ballroom #4 Training: Overview of Water Quality Standards From a Tribal Perspective (Continues) <i>Facilitator: Nancy Schuldt</i></p> <p>Monitoring <i>Nancy Schuldt, Fond du Lac Band of Lake Superior Chippewa</i></p> <p>Assessment: Attainment or Impairment <i>Nancy Schuldt, Fond du Lac Band of Lake Superior Chippewa; and Jeff Ogburn, Taos Pueblo</i></p> <p>Questions and Discussion</p>
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4:45 – 6:30 p.m.

Free Time

6:30 p.m. – 9:00 p.m.

Movie Night

**Alaska Native Diet—“Monitoring for Contaminants in Rural Alaska”
Homeland—“Four Portraits of Native Action”**

Ballroom

Day 5 – Thursday, September 28, 2006

7:00 a.m. – 8:00 a.m. **Conference Registration/Continental Breakfast**

8:00 a.m. – 9:45 a.m. **Breakout Sessions and Training**

<p>Ballroom #1 Air Deposition <i>Facilitators: Christine Berini and David LaRoche</i></p> <p>Fond Du Lac Reservation Comprehensive Mercury Monitoring Program <i>Nancy Schuldt and Nick Axtell Fond Du Lac Band of Lake Superior Chippewa</i></p> <p>Alaska Native Science <i>Larry Mercurieff</i></p>	<p>Ballroom #2 Water and Community Health <i>Facilitators: Curtis Munoz and Dana Davoli</i></p> <p>Emerging Issues, Contaminants in Our Environment, Endocrine Disruptors, Pharmaceuticals, and Personal Care Products <i>Dr. Kim Winton</i></p> <p>Assessing Overall Concerns from Hazardous Waste Sites on Tribal Lands <i>Dr. Lynn Zender</i></p>	<p>Ballroom #3 Training: Methamphetamine Lab Hazard Assessment Overview <i>Facilitator: Marshall Cheung and Michele Dineyazhe</i></p> <p>Cherokee Nation Methamphetamine <i>Richard Keck</i></p>	<p>Ballroom #4 Training: Introduction to Natural Resources Damage Assessment and Restoration (NRDAR) <i>Facilitator: David Charters</i></p> <p>An Introduction to Natural Resource Damage Assessment and Restoration <i>Dolores Savignano, U.S. Fish and Wildlife Service</i></p> <p>Trusteeship and Tribal Opportunities <i>Al Sedik, Bureau of Indian Affairs</i></p>
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9:45 a.m. – 10:00 a.m. **Morning Break**

10:00 am. – 11:45 a.m. **Breakout Sessions and Training**

<p>Ballroom #1 Earth <i>Facilitators: Vickie Kujawa and Patti Tyler</i></p> <p>Training: Emergency Management</p> <p>Federal Response and Recovery for Tribes <i>Andrew Hendrickson, FEMA</i></p>	<p>Ballroom #2 Tribal Diet and Community Health <i>Facilitators: Curtis Munoz and Dana Davoli</i></p> <p>Results From the Swinomish Tribal Human Health Risk Assessment of Contaminated Seafood <i>Jamie Donatuto and Barbara Harper</i></p> <p>Polychlorinated Biphenyls in Serum of the Siberian Yupik People From St. Lawrence Island <i>Vi Waghiyi and Pamela K. Miller</i></p>	<p>Ballroom #3 Training: Methamphetamine Lab Hazard Assessment Overview <i>Facilitator: Marshall Cheung and Michele Dineyazhe</i></p> <p>Cherokee Nation Methamphetamine <i>Richard Keck</i></p>	<p>Ballroom #4 Training: Natural Resources Damage Assessments (Continued) <i>Facilitator: David Charters</i></p> <p>Differences Between CERCLA Remediation and NRDAR Restoration <i>Mark Huston, U.S. Fish and Wildlife Service</i></p> <p>Restoration <i>Dolores Savignano, U.S. Fish and Wildlife Service</i></p> <p>Coordination of Trustees and Response Agencies: Case Studies <i>Mark Huston, U.S. Fish and Wildlife Service</i></p>
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11:45 a.m. – 1:15 p.m. **Lunch (on your own)**

1:15 p.m. – 3:00 p.m.

Plenary Session
Facilitator: Claudia Walters

Grand Ballroom

Cultural Sustainability Models: Using Our “Ways of Knowing” in Management and Group Discussion
Terry Williams, Preston Hardison, Mary Arquette, James Ransom, and Claudia Walters

3:00 p.m. – 3:15 p.m. **Afternoon Break**

3:15 p.m. – 4:00 p.m.	Plenary Session TSC Session: Summary of Conference, Future Tribal Science Priorities and Goals, and Closing Comments <i>Roland Hemmett and David Nelson</i>	Grand Ballroom
4:00 p.m. – 5:00 p.m.	Free Time	
5:00 p.m. – 6:00 p.m.	Reception Sponsored by Twenty-Nine Palms Band of Mission Indians	
6:00 p.m. – 7:30 p.m.	Closing Ceremony <i>Emcees: Roland Hemmett and David Nelson</i> <i>Keynote Speakers: Dr. Cindi Barton, Director of the U.S. Geological Survey's Water resources Science Center and Quinault Tribal Elder, Philip Martin Sr.</i> <i>Closing Ceremony: Quinault Indian Nation</i>	

Friday, September 29, 2006
Travel Day

Transportation will be offered free of charge from the Quinault Beach Resort and Casino to the Seattle-Tacoma International Airport on a full-sized bus operated by Gray's Harbor Transit. The transit departure times are at 8:00 a.m. (11:00 a.m. arrival), 10:00 a.m. (1:00 p.m. arrival), and 1:00 p.m. (4:00 p.m. arrival).

The shuttle will be located outside of the hotel lobby.