



# INSTITUTE FOR WATER AND WATERSHEDS

## *Water and Watersheds Initiative Progress Report and Future Plans*

*1 November 2006*

*By*

*Michael E. Campana*

*Director*

*“You miss 100% of the shots you don’t take.”*

*-- hockey great Wayne Gretzky*

# Some Accomplishments

- Director *finally* full-time (1 June 2006); bookcases arrived
- Todd Jarvis (1.00 FTE) and Kathy Motter (0.25 FTE (Collaboratory Director))
- Sponsorships: seminar series, courses, conferences/workshops
- Diversity and Excellence Fellowships
- Water Conflict Management and Transformation Program (with COS)



# Some Accomplishments - *more*

- **The Oregon Water List (TOWL) – listserv (350+ subscribers) and [water.oregonstate.edu](http://water.oregonstate.edu)**
- **PUB [Predictions in Ungauged Basins] Workshop, October 16-19, 2006, at OSU**
- **IGERT Waterborne Pathogens (pending) and DOE Climate Center (unfunded) proposals**

# Institute for Water and Watersheds

## Home

### About the IWW

- Contact Information
- History and Goals
- Staff
- Partnerships
- Collaboratory
- Water Conflict Management Program
- OSU Water News Archive

### Research

- Projects
- PNW Hydro Observatory
- Publications
- IWW-USGS Grants
- External Funding
- Faculty Directory

### Education

- Water Resources Graduate Program
- Related Graduate Programs
- Graduate Fellowships
- Courses
- Seminar Series
- Oak Creek

### Outreach

- Watershed Stewardship
- Groundwater Stewardship
- Streamflow Tutorial
- Explore Our Watersheds

### Community

- H<sub>2</sub>OSU Newsletter
- Calendar
- Hydrophiles Club
- Join Email Lists



## Featured News and Events

• Wednesdays, Sept 27 through Nov 29, 2006, 4 pm: **Fall Water Resources Seminar Series: The Politics of Water.**

• Proposals for IWW-USGS small grants due Nov 14 **read RFP here...**

• Nominations for **2007-2008 Diversity and Excellence Fellowships** due Jan 31, 2007.

Oregonians are beginning to witness the difficulties caused by water limitations. Water quantity and quality issues in the Willamette and Klamath Basins are the Governor's top environmental priorities. This situation is paralleled around the world, and points toward a strong emerging area for growth in research, education, and outreach. OSU is ideally positioned to assume a leadership role in addressing water problems, with about 80 faculty in six colleges who teach and conduct research in areas related to water and watersheds.

In 2005, Oregon State University established the Institute for Water and Watersheds as the hub for water-related teaching and research activities at the University. The goals of the IWW are to:

- provide coordination of water and watershed activities at OSU,
- connect a diverse student body with relevant issues across the state,
- enable capture of new, high-value opportunities for research, education, and outreach,
- engage OSU faculty and students with external stakeholders throughout the state, and
- establish a set of shared water and watershed collaboratories supporting research, teaching and outreach.

## Other News and Events...

10/12/06 - [The October issue of H<sub>2</sub>OSU - The IWW Newsletter](#) is available. Read news from the IWW and the OSU hydro community.

10/1/06 - [IWW Collaboratory](#) now open for trace level, fresh water analysis.

[Link to a calendar of upcoming water resources events...](#)

Zoom Out

**27-Sept: Organizational Meeting**

**4-Oct: From the Front Lines of Oregon Water Politics – Representative Jackie Dingfelder, Portland, OR**

**11-Oct: The Politics of Paradise and the Deschutes Water Alliance Experience – David Newton, P.E., Newton Consultants, Redmond, OR**

**18-Oct: Hydro-Hegemony: A Framework for the Analysis of Water Conflicts – Dr. Mark Zeitoun, King's College, London, UK**

**25-Oct: Women and the Politics of Water – Dr. Nandita Ghosh, Fairleigh Dickinson University, Madison, NJ**

**1-Nov: Lessons Learned From the Birth and Death of a River Basin Compact in the Southeast U.S. - Steven Leitman, Florida State University, Tallahassee, FL**

**8-Nov: Informing the National Water Resource Investment Decision Process – Steven Stockton, P.E., Deputy Director of Civil Works, US Army Corps of Engineers, Washington, DC**

**15-Nov: The Politics of Hot Water: The Dying of the World's Largest Mineral Hot Springs – Dr. Peter Huntoon, Consultant, Boulder City, NV**

**22-Nov: Cadillac Desert – Video of the Classic Book on Water Politics in the Western United States**

**29-Nov: International Water Politics and Conflict Management – Dr. Jerome Delli Priscolli, Senior Advisor, Institute for Water Resources, US Army Corps of Engineers, Washington, DC**

# The Politics of Water

**Sponsored by the  
Institute for Water and Watersheds**

**For more information contact:  
541-737- 4032**

**Register for CE 407/507 or WRP 507,  
1 Credit Hour**

**2006 Fall Water Resources Seminar  
Owen Hall 102  
Wednesdays, 4:00-5:30 pm**

**PUBLIC  
WELCOME**

**Oregon State  
UNIVERSITY**

**OSU**

# Next 12 Months

- **Joint Northwest Water Institute with PNNL, INL**
- **NSF Critical Zone Observatory and MRI Proposals**
- **Snake/Columbia Basin Energy/Water Summit – PNNL, INL, OSU, WSU, UI, UBC**
- **International initiatives – UNESCO and CGIAR Challenge Program on Water & Food**
- **Private support for PNWHO**
- **Funding campaign**
- **External Advisory Board**



## **Next 12 Months - *more***

- **Campus inreach**
- **Explore/develop communications alternatives (podcasts, blog)**
- **IWW Sustainable Funding Model**
- **Road trips, meetings with stakeholders**
- **Permanent home for Water Collaboratory**
- **Placed-based learning – Oak Creek**

Subscribe  
to the  
Hermiston  
Herald



## The Bulletin

bendbulletin.com 42°



Search site

Advanced search



Search

MEMBER SIGN ON

OCTOBER 30, 2006 02:26 PM

ALL CLASSIFIEDS  
JOBS  
AUTOS

HOMES  
PLACE AN AD

NEWS  
Local & State+  
Election 2006+  
Nation & World  
Obits  
Business+  
Sports+  
Sudoku  
Entertainment+  
Features+  
Opinion+  
Photo Gallery  
Weather  
Roads & Traffic  
Corrections

SUBSCRIPTIONS  
Print  
Online  
Group Rates  
Back Copies  
Report Problem  
Pay Bill  
Update Account  
Hold Paper

EVENTS  
October

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

[Albums](#) - [My Album](#) - [Shopping Cart](#) - [FAQ](#) - [Register/Login](#)

### Album Name: OSU faculty helps identify water problem

DATE: 8/10/2006 PHOTOGRAPHER: Pete Erickson EVENT ID: 159678 PHOTO ID: 12723968

[Return to Photos in this Album](#)

Photo: 1 of 1

Order A Product With This Photo

Email to a Friend

Add to My Album



**Caption:** Oregon State University faculty members Hannah Gosnell, center, and Michael Campana, right, of the Institute for Water and Watersheds, talk with city water program specialist Patrick Griffiths, left, about water issues facing the region. - Pete Erickson / The Bulletin

**NEW!**  
**Obituaries**

**HERMISTON  
HERALD**  
**CLASSIFIEDS**  
541-567-6457

ritical  
into an  
n the Institute  
stitute for  
gon State

a synthesis of  
Basin, which has  
water Area by

, water supplies  
d for almost 100







# CHILDREN'S CLEAN WATER FESTIVAL

Where Youth Are Making Waves!

## What Is It?

- Overview
- Contact Us
- Photo Gallery

## Participate

- School Groups
- Classroom Presenters
- Exhibitors
- Volunteers
- Stage Shows

## Resources

- Teacher's Guide
- Links

## Partners & Sponsors

- Thank you!

The Clean Water Festival is designed for 4th and 5th grade students to learn about water and how it relates to our world. Water experts from Oregon and Washington will work with your 4th and 5th graders to explore water science and watershed ecology.

## 14th Annual Children's Clean Water Festival

Thursday, April 12, 2007



# WWI at Maturity

- **Sustainable funding**
- **Visiting/endowed professorships**
- **Physical home**
- **Home for Water Collaboratory**
- **WRGP – operational responsibility**

# WWI at Maturity - *more*

- Endowments for fellowships, scholarships, seed money
- Enhanced external funding
- Linkages: PSU, OHSU, UO
- JNWI: firmly established

# Institute for Water and Watersheds

## Home

### About the IWW

- Contact Information
- History and Goals
- Staff
- Partnerships
- Collaboratory
- Water Conflict Management Program
- OSU Water News Archive

### Research

- Projects
- PNW Hydro Observatory
- Publications
- IWW-USGS Grants
- External Funding
- Faculty Directory

### Education

- Water Resources Graduate Program
- Related Graduate Programs
- Graduate Fellowships
- Courses
- Seminar Series
- Oak Creek

### Outreach

- Watershed Stewardship
- Groundwater Stewardship
- Streamflow Tutorial
- Explore Our Watersheds

### Community

- H<sub>2</sub>OSU Newsletter
- Calendar
- Hydrophiles Club
- Join Email Lists

## IWW Collaboratory

The collaboratory is a shared laboratory that provides Oregon State University affiliates with access to trace level, fresh water analysis instrumentation and procedures. Samples may be analyzed at the laboratory by staff, or researchers may analyze samples themselves after being trained on the instrumentation. The collaboratory's goals are to encourage cooperative research, provide laboratory training opportunities, and help researchers minimize water analysis costs.

We ask that only clean, fresh water samples be analyzed on IWW instrumentation so that we can maintain the equipment for trace level analysis. If you have point source contaminants, chemically treated samples or sample matrices other than fresh water, we will help direct you to appropriate self-service or analytical facilities available on campus.

## Current Capabilities and Fees

Current and soon to be accessible instrumentation and its capabilities include:

- **Dionex Ion Chromatograph (Dionex ICS-1500 with Autosampler)**
  - Capability: IC separation using conductivity detection, carbonate eluent
    - Anions: fluoride, chloride, nitrite, bromide, nitrate, phosphate and sulfate
    - Cations: lithium, sodium, ammonium, potassium, magnesium and calcium (cations in fresh waters may be below detection limit of this instrument)
    - Requires 5 mL prefiltered sample
  - Analysis Charge:
    - \$25 per sample for initial anion; \$5 per additional anion
    - \$25 per sample for initial cation; \$5 per additional cation
  - Instrument Usage:
    - \$25 per day plus \$5 per sample vial (carbonate eluent, sample vials and standards provided)
    - Additional fee for training, dependent upon experience of user (\$50/hr training fee)
- Perkin-Elmer **Atomic Absorption Spectrophotometer** (Perkin-Elmer Analyst-100)
  - Capability: Flame Atomic Absorption
    - Base cations: sodium, potassium, magnesium and calcium (other elements to be added as necessary)

### Collaboratory Contact Information

Location: Gilmore 206  
Lab Phone: 737-6315  
Lab Manager: Kathy Motter  
Phone: 758-8764  
E-mail:  
[kathryn.motter@oregonstate.edu](mailto:kathryn.motter@oregonstate.edu)





You are here: [Home](#) > [News](#) > [World](#) > [Article](#)

[HOME](#)

[INVESTING](#)

**[NEWS](#)**

[Top News](#)

[UK](#)

**[World](#)**

[By Region](#)  
[Alertnet](#)

[Business](#)

[Sports](#)

[Technology](#)

[Entertainment](#)

[Science & Health](#)

[Motoring](#)

[Oddly Enough](#)

[Editor's Choice](#)

[Video](#)

[Pictures](#)

[Weather](#)

**[MORE NEWS TODAY](#)**

▶ [Pakistan army kills up to 80 at](#)

## "Water Wars" loom? But none in past 4,500 years

Mon Sep 18, 2006 12:24 AM BST

[Email This Article](#) | [Print This Article](#) | [RSS](#) [XML](#)

[\[-\] Text](#) [\[+\]](#)

By Alister Doyle, Environment Correspondent

STOCKHOLM (Reuters) - With a steady stream of bleak predictions that "water wars" will be fought over dwindling supplies in the 21st century, battles between two Sumerian city-states 4,500 years ago seem to set a worrying precedent.

But the good news, many experts say, is that the conflict between Lagash and Umma over irrigation rights in what is now Iraq was the last time two states went to war over water.

Down the centuries since then, international rivals sharing waters such as the Jordan River, the Nile, the Ganges or the Parana have generally favoured cooperation over conflict.

So if history can be trusted, things may stay that way.

"The simple explanation is that water is simply too important to fight over," said Aaron Wolf, a professor at Oregon State University. "Nations often go to the brink of war over water and then resolve their differences."

# TOWS

- **Threats – 1) Federal budget situation; 2) state budget; 3) sustainability**
- **Opportunities – 1) PNNL/INL partnership; 2) international; 3) world-class hires; 4) non-traditional funding streams**
- **Weaknesses – 1) competitors have more resources; 2) a few missing pieces**
- **Strengths – 1) world-class faculty; 2) unique integration, collaboration, community; 3) national profile**

H<sub>2</sub>OSU is available at <http://water.oregonstate.edu/newsletter/>.  
October 2006

## Michael's Musings



*This column will be a feature in each issue of the IWW Newsletter. Through it I hope to inform, amuse, and attempt to satisfy my "frustrated writer" syndrome. Be forewarned: given my generation and connection to the 1960s, these reports may have stream-of-consciousness tendencies.*

This first missive comes to you from Tbilisi, Georgia, where I am wrapping up the fifth year of a project I manage for NATO, [South Caucasus River Monitoring](#). I work with some amazing colleagues from Armenia, Georgia, and Azerbaijan (who do virtually all the work) and Belgium and Norway. I hate to sound like my parents, but working here has made me appreciate all that we have in the USA. At our meeting-ending banquet my Armenian colleague, Dr. Armen Saghatelyan, described the extreme difficulties (e.g., 8 ounces of bread per day per person) his country experienced in the three years following the dissolution of the Soviet Union. He summed up life in the Caucasus with one of his favorite sayings: "The optimist learns English. The pessimist learns Chinese. The realist learns Kalashnikov." But despite the problems, Armen and his colleagues are generally optimistic. What's especially enjoyable for me is seeing how cooperation over water is building bridges and friendships among countries that have not always gotten along very well. Perhaps there is hope for the Western USA.

In the past 10 months I have attended two "roadmap" meetings: one pertaining to the energy-water nexus and the other to drought (and don't forget the various "roadmaps to peace"). Sometimes I think the trouble with all these roadmaps is that they often get left in the glove compartment. Speaking of "meetings" and "big", I attended the most recent [World Water Week in Stockholm](#). No roadmaps, but you can [read my report on the IWW website](#). [Gail Achterman](#), [Hannah Gosnell](#), and I also had a great little 3-day road trip in early August, visiting and listening to stakeholders in the Umpqua, Rogue, and Deschutes basins. A brief report describing what we learned and the needs mentioned by those we met is coming soon. I intend to make more of these trips; this one was quite enlightening.

Just an observation: North Korea may now have a nuclear bomb, but its men still have *bad* haircuts.

If you are in the vicinity of Strand 210 and have not seen my office (or have not seen it since late August), drop in. The books are no longer in boxes and stuff is on the walls. Come to think of it, you can drop in even if you have seen the office recently.

Till next month, *Michael*

*"Until I came to New Mexico, I never realized how much beauty water adds to a river." - Mark Twain*



# INSTITUTE FOR WATER AND WATERSHEDS

***Thank you!***

***Feel free to contact me:***

***737 2413***

***[aquadoc@oregonstate.edu](mailto:aquadoc@oregonstate.edu)***

***“Luck is the residue of design.”***