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   - ENVE5930 Seminar on Coupled Natural and Human Systems: Payments for Ecosystem Services
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8. **CWS Student Research (Deadline: December 4) and Travel Grants**
9. **CWS Colloquium Course – UN5100 – next offered Spring 2016**
10. **CUAHSI**
11. **Job Opportunities**
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1. **On-Campus Seminars**

   **Monday, August 24, 2015**

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   **Masters Defense: Edrick Ramos, Geology**
   Advisor: John Gierke When, 2pm – 3pm
   “Hydrological Characterization of Calderas Watershed and Water Quality Assessment of Laguna Calderas: Amatitlan, Guatemala”
   Dow 610 2:00 pm

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2. **Course Announcements**

   **ENVE 5930: Seminar on Coupled Natural and Human Systems: Payments for Ecosystem Services**
   A One Credit Multi-University Seminar Course
   Fall 2015 Fridays 12:30-2:00 Eastern Time
   Register for ENVE 5930 (CRN 83200)
   Michigan Tech Lead Instructor– Dr. Alex Mayer (asmayer@mtu.edu)

   **UN5990 (crn 83683) Climate Science and Policy in 2015**
   1 credit, Cap 30
   Instructor: Dr. Sarah A. Green (sgreen@mtu.edu)
   Wednesday 04:05 - 04:55
   Chem Sci 211
Description: The 21st Conference of the Parties, COP21, will take place in December 2015 in Paris with the goal of reaching a universal agreement to limit global climate change. This one-time course will discuss science and policy topics relevant to the COP meeting and follow real time news during the "Road to Paris." It will briefly cover the basic science of climate change and the history of climate policy. Additional specific topics will be guided by the interests of the class and current events; topics may include an analysis of the commitments and outcomes of previous climate agreements, United States and global energy policies, who's who in the negotiations, analysis of current "Intended Nationally Determined Contributions" and the "emissions gap", climate finance, climate myths and communication, translation of science into policy, mitigation and adaptation strategies, and the roles of non-governmental, religious, and activist organizations in shaping climate policy.

Open to students from all disciplines. Graduate students or upper division undergraduates. No prereqs. No permissions required.

3. Reports and Action Plans

Michigan DEQ is seeking comments on updates to the Nonpoint Source Program Plan. Comments on the draft should be submitted by email to DEQ-NPS-Program@michigan.gov by September 18, 2015. The draft can be seen here: http://www.michigan.gov/documents/deq/wrd-nps-program-plan_497128_7.pdf

4. Conferences & Webinars

Wednesday, September 2, 2015

Lake Superior Stakeholder Webinar: Lakewide Management - Outreach and Engagement
Webinar Registration Information:
2:00 – 4:00 pm EDT
The webinar technology will allow for participants to electronically signal that they have a question or comment, and will allow for verbal participation. The technology will also allow participants to type questions and comments that can be read and responded to by the webinar hosts. Due to the potential number of participants, it may not be possible to receive or respond to all participants’ questions or comments during the webinar. Following the webinar, participants will be able to submit questions or comments to:
   For U.S. participants:    glwqa@glnpo.net
   For Canadian participants: glwqa-aqegl@ec.gc.ca
Sincerely,
Chris Korleski                      John Marsden
US EPA                               Environment Canada

Other Great Lakes Stakeholder Webinars:
Lakewide Management - Outreach and Engagement

Lake Huron: September 1, 2015; 2:00 – 4:00 pm EDT
https://gts-ee.webex.com   Meeting: 550 314 884
Lake Michigan: September 9, 2015; 2:00 – 4:00 pm EDT
Webinar registration information not yet available

Lake Ontario: September 11, 2015; 2:00 – 4:00 pm EDT
https://gts-ee.webex.com Meeting: 553 628 066

Lake Erie: September 15, 2015; 2:00 – 4:00 pm EDT
https://attendee.gotowebinar.com/register/247410276078704129 Webinar ID: 115-034-499

Sept – November 11, 2015
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National Marine Protected Areas Center – Webinars
Sept. 10, 2015 Maps and Datasets for Blue Carbon Habitats
Oct. 8, 2015 Evaluating MPA Education Programs
Nov. 11, 2015 National Park Service Ocean Parks Centennial

Tuesday, September 15, 2015
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Webinar: National Water Quality Monitoring Council
“Science Communication with Emphasis on Visual Science Communication Tools”
Caroline Donovan of the Integration and Application Network
2:00 pm EST

September 15, 2015 – Competition Deadline
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NSF Visualization Challenge

Wednesday, September 16, 2015
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Webinar: DEQ and The Recycling Partnership: Tools, Techniques, and Resources for Improving Curbside Recycling Collection
Michigan Dept of Environmental Quality
Register 10:00 -11:00 am EDT

September 18, 2015 – Call for Abstracts Deadline
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9th annual Science, Practice & Art of Restoring Native Ecosystems Conference
Conference Dates: January 15th & 16th, 2016
Kellogg Conference Center on the campus of Michigan State University in East Lansing
Abstracts for Panel Discussions, Presentations, Roundtables, and Workshops are due by: Friday, September 18th, 2015
For more information, visit: www.stewardshipnetwork.org/submit-abstract
Abstracts for Posters and Student Posters are due by: Friday, November 20th
For more information, visit: www.stewardshipnetwork.org/submit-poster

September 29-October 1, 2015
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11th Annual Great Lakes Restoration Conference
Healing Our Waters-Great Lakes Coalition
Chicago, Illinois

**Upcoming CUAHSI Summer and Fall 2015 Trainings**

**September 28 – October 2, 2015**

*Direct-Push Methods for High-Resolution Characterization of Subsurface Properties: From Theory to the Field*
University of Kansas, Lawrence, KS

**October 20-24, 2015**

*The Role of Runoff and Erosion on Soil Carbon Stocks: From Soilscapes to Landscapes*
Purdue University, West Lafayette, IN

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**Fall 2015 CUAHSI Cyberseminar Series**

Host: Todd Caldwell, Bureau of Economic Geology, University of Texas
Title: “The Western US Drought on the Ground and from Space: Combining in situ and remotely sensed data to understand and mitigate drought”
Speakers:
Oct 2: Steven Quiring, Texas A&M University
Oct 9: Bridget Scanlon, Bureau of Economic Geology, University of Texas-Austin
Oct 16: Justin Huntington, Desert Research Institute
Oct 23: Mark Svoboda, National Drought Mitigation Center, University of Nebraska-Lincoln
Oct 30: Narendra Das, NASA’s Jet Propulsion Lab

**October 28-30, 2015**

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**9th Biennial State of Lake Michigan and 15th Annual Great Lakes Beach Association Joint Conference**
Grand Traverse Resort and Spa near Traverse City, Michigan

**February 23-25, 2016**

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**21st Annual Wetland Science Conference**
Wisconsin Wetlands Association
Green Bay, WI
Call for Symposia deadline: September 30, 2015
Call for Presentations and Posters deadline: November 15, 2015

5. **New Funding Opportunities**

To submit research proposals through the Center for Water and Society, select ‘CWS’ for the Institute/Center for project drop box on the transmittal sheet. The transmittal sheet must then be signed by the CWS Director, Noel Urban, on page 4.

If Noel Urban is unavailable to sign transmittal sheets, Carol Asiala (GMES) can also sign for CWS.

**The Coastal Program**
Great Lakes Restoration Initiative 2015
EPA
  Invasive Species Prevention (EPA-R5-GL2015-ISP)
  Invasive Species Control (EPA-R5-GL2015-ISC)
  Urban Watershed Management Implementation (EPA-R5-GL2015-UWM)
  Agricultural Watershed Management Implementation (EPA-R5-GL2015-AWM)
  Maumee River Watershed Nutrient Prevention Pilot Project (EPA-R5-GL2015-MNP)
Deadline: September 28, 2015

6. Open RFPs of ongoing interest to CWS

List of Funding Opportunities announced on an annual basis (CWS web page)

Broad Agency Announcement: Ocean Dynamics and Prediction Oceanography (73-13-01)
United States Department of Defense (DOD)
Department of the Navy
Naval Research Laboratory (NRL)

Great Lakes Air Deposition (GLAD) Program
Indiana Department of Environmental Management (IDEM)
Deadline: August 26, 2015

Aquatic Habitat Grant Program
Michigan Department of Natural Resources
Pre-proposal deadline: August 28, 2015

FY 2016 Implementation of the U.S. Integrated Ocean Observing System (IOOS®)
Search for Funding Opportunity Nbr: NOAA-NOS-IOOS-2016-2004378
Department of Commerce, NOAA
Deadline: August 31, 2015

Great Lakes Restoration Initiative 2015
EPA
  Invasive Species Prevention (EPA-R5-GL2015-ISP)
  Invasive Species Control (EPA-R5-GL2015-ISC)
  Urban Watershed Management Implementation (EPA-R5-GL2015-UWM)
  Agricultural Watershed Management Implementation (EPA-R5-GL2015-AWM)
  Maumee River Watershed Nutrient Prevention Pilot Project (EPA-R5-GL2015-MNP)
Deadline: September 28, 2015

Cooperative Landscape Conservation and Science Support
Search Funding Opp#: F15AS00000
Department of the Interior, Fish and Wildlife Service
Deadline: September 30, 2015
The Coastal Program
F15AS00005
Department of the Interior, Fish and Wildlife Service
Deadline: September 30, 2015

Coastal Program - Great Lakes Restoration Initiative (F15AS00096)
Department of the Interior
Fish and Wildlife Service
Deadline: September 30, 2015

The Partners for Fish and Wildlife Program
Search Funding Opp#: F15AS00004
Department of the Interior
Fish and Wildlife Service
Deadline: September 30, 2015

Fish and Wildlife Management Assistance
Search Funding Opp#: F15AS00013
Department of the Interior
Fish and Wildlife Service
Deadline: September 24, 2015 (This is an open announcement; proposals will be reviewed and evaluated on a rolling basis)

Marine Fisheries Initiative (MARFIN)
Search Funding Opp#: NOAA-NMFS-SE-2016-2004533
Department of Commerce, NOAA
Deadline: October 2, 2015

Early Career Research Program
Search Funding Opp#: DE-FOA-0001386
Department of Energy - Office of Science
Deadline: November 19, 2015
Program areas: Advanced Scientific Computing Research (ASCR); Biological and Environmental Research (BER); Basic Energy Sciences (BES), Fusion Energy Sciences (FES); High Energy Physics (HEP), and Nuclear Physics (NP)

Climate Program Office FY 2016
Search Funding Opp#: NOAA-OAR-CPO-2016-2004413
Department of Commerce, NOAA
Deadline: December 15, 2015

NSF Announcements:

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<td>E.3</td>
<td>Topical Workshops, Symposia, and Conferences</td>
<td>N/A</td>
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7. Graduate Certificate in Sustainable Water Resources Systems
Students must fill out an online application to the Grad School in order to work towards a certificate. Students should apply and be accepted into a certificate program before starting the coursework to be used for the certificate. Only 1/3 of previously completed credits can be applied to the certificate degree schedule.

**Link to online application:** [http://www.mtu.edu/gradschool/programs/certificates/](http://www.mtu.edu/gradschool/programs/certificates/)

**Links to certificate degree schedule:**

- CWS Web page: [http://www.mtcws.mtu.edu/education_gradcert.html](http://www.mtcws.mtu.edu/education_gradcert.html)
- Grad School: [http://www.mtu.edu/gradschool/administration/academics/forms-deadlines/pdfs/Certificates-ICSW.pdf](http://www.mtu.edu/gradschool/administration/academics/forms-deadlines/pdfs/Certificates-ICSW.pdf)

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8. **CWS Student Research Grants and Travel Grants**

**Research Awards:** Graduate and undergraduate research awards are now due the first Friday in December and March of each year, and the 2nd Friday in August.

- **December 4, 2015**
- **March 4, 2016**
- **August 12, 2015**

Each award can be up to $750. Awards can also be used to support undergraduate research in formal class settings (e.g. Enterprise, Senior Design, Pavlis, senior thesis, capstone classes etc.). The research should support the Center’s mission ([http://www.mtcws.mtu.edu/about.html#mission](http://www.mtcws.mtu.edu/about.html#mission)).

**Travel Awards:** Graduate student travel grants ($500) are also available through the Center for Water and Society to present a water related paper at a conference. Applications are reviewed on the last Friday of each month, and must be submitted at least 1 week in advance of planned travel.

Applications for **Travel and Research** grants are online at: [http://www.mtcws.mtu.edu/education_studentgrants.html](http://www.mtcws.mtu.edu/education_studentgrants.html)

To maximize funding for new students we will limit awards to one travel and one research award for Master's students and undergrads, and a maximum of two travel and two research awards for Ph.D. students.

Student advisors must be a faculty member of CWS ([CWS Faculty](http://www.mtcws.mtu.edu/about.html#mission)) or the students must be supported on a CWS-affiliated research grant.

Students will also be required to indicate how they would like to provide a return on the CWS investment. Options include:

- a. presenting a poster at World Water Day in March;
- b. assisting with preparations for World Water Day;
- c. assisting with CWS-sponsored outreach activities;

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9. **CWS Colloquium Course – UN5100 – next offered Spring 2016**

**Center for Water & Society Colloquium Course**

**Spring 2015 Topic:** Science & Policy
**Course Number:** UN5100, CRN 13480, 1 credit  
**Time/Location:** Tuesdays 3:35-4:24 in Dow 873  
**Course Organizer:** Noel Urban  
[http://www.mtcws.mtu.edu/education_colloquium.html](http://www.mtcws.mtu.edu/education_colloquium.html)

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**10. CUAHSI (Consortium of Universities for the Advancement of Hydrologic Science, Inc.)**

Michigan Technological University is a member university of CUAHSI ([http://www.cuahsi.org](http://www.cuahsi.org)) through the support of the Center for Water & Society and the CEE and GMES departments. Explore their website for resources available to faculty and research.

**CUAHSI Cyberseminar Schedule:** [https://www.cuahsi.org/Cyberseminars](https://www.cuahsi.org/Cyberseminars)

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**11. Job Opportunities**

**Supervisory Interdisciplinary**  
U.S. Army Corps of Engineers, Detroit District  
Close date: August 21, 2015

**Lake Erie Campaign Manager**  
The Alliance for the Great Lakes  
Application Accepted through September 7, 2015

**Project Manager** (ecosystems-focused project manager; community-focused project manager)  
Delta Institute  
Chicago or Lansing

**IAGLR Job Board**  
Job Opportunities in the Great Lakes

**The Stewardship Network – Job Postings**

**State of Minnesota**  
Hydrologist & Natural Resources positions  
[https://statejobs.doer.state.mn.us/JobPosting](https://statejobs.doer.state.mn.us/JobPosting)  
Search on Job Grouping=Environmental Sciences  
Or Department = Pollution Control Agency  (includes summer jobs for students)

**The Ohio Environmental Council – Careers & Internships**

**Positions posted on CUAHSI web site**  
(Careers/fellowships/post-docs/research assistantships/faculty positions)

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**12. Student Opportunities**

**UNOLS Cruise Opportunity Program**  
University-national Oceanographic Laboratory System (UNOLS)
Current cruise deadline: September 10, 2015
Periodically check this site for new cruise opportunities

Center for Water and Society Web Site: http://www.mtcws.mtu.edu