

**MEETING OF THE
ADVISORY COMMITTEE ON WATER INFORMATION'S (ACWI)
SUBCOMMITTEE ON HYDROLOGY (SOH)**

**12:00 p.m. – 3:00 pm, Eastern Time
Monday October 15, 2012**

Location: U.S. Department of Agriculture (USDA) South Building
Room S208 (in the Sub-Basement)
1400 Independence Ave SW, Washington, DC 20250

RECAP OF MEETING

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|---|----------------|
| 1. Welcome and Introductions | Victor Hom |
| 2. Review and Approval of Agenda | Victor Hom |
| 3. Approval of the Recap from July 2012 Meeting | Victor Hom |
| 4. Status of Action Items from July 2012 Meeting (See page 3) | Victor Hom |
| 5. Presentation #1: Army Water Boot Print | Francis Reilly |
| 6. Presentation #2: Challenges in Determining the Probable Maximum Precipitation | Ed Tomlinson |
| 7. Review of Work Group Reports and Q&A | |
| a) Hydrologic and Hydraulic GIS Applications Work Group | William Merkel |
| b) Extreme Storms Work Group | Tom Nicholson |
| c) Hydrologic Frequency Analysis Work Group | Will Thomas |
| d) Hydrologic Modeling Work Group | Chandra Pathak |
| e) Satellite Telemetry Interagency Work Group | - |
| 8. Standard Procedures for Invited Guests | Claudia Hoeft |
| 9. Current Events within ACWI and the Hydrologic Communities | All |
| 10. Announcements and Q&A on Business Reports from Member Organizations | All |
| a) Business Reports | |
| b) "The SOH CONNECTIONS" Newsletter Editor's Announcements | |
| c) January 2013 Probabilistic Flood Hazard Assessment Workshop | Tom Nicholson |
| d) Other? | |
| 11. Review New Action Items | Victor Hom |
| 12. Plans for Next Meeting | Victor Hom |
| a) Monday, January 7, 2013 from noon to 3:00 pm EST at USACE-HQ 441 G Street, Washington, DC. USACE HQ is near the Metro Redline stop at Judi | |
| b) Review Suggestions | |

ATTENDEES

Subcommittee on Hydrology and Workgroup Members

Representative	Organization/Agency	Participation
Richard Raione	U.S. Nuclear Regulatory Commission (USNRC)	

Victor Hom	NOAA / National Weather Service	
Thomas Nicholson	U.S. Nuclear Regulatory Commission (USNRC)	
Samuel Lin	Federal Energy Regulatory Commission (FERC)	
Robert Mason	U.S. Geological Survey (USGS)	
Don Woodward	Global Ecosystem Center (GEC)	
Siamak Esfandiary	U.S. DHS, Federal Emergency Management Agency	
Will Thomas	Association of State Flood Plain Managers (ASFPM)	
Martin Becker	Becker	
William Merkel	U.S. Dept. of Agriculture, Natural Resources Conservation Service (NRCS)	
Benjamin Pratt	National Hydrologic Warning Council (NHWC)	
David Wells	US Environmental Protection Agency (USEPA)	
Claudia Hoeft	U.S. Dept. of Agriculture, Natural Resources Conservation Service (NRCS)	
Lee Koss	U.S. Bureau of Land Management (USBLM)	
Ted Engman	National Air and Space Administration (NASA)	<i>(phone)</i>
Kevin Stewart	National Hydrologic Warning Council (NHWC)	<i>(phone)</i>
Chandra Pathak	U.S. Army Corps of Engineers (USACE)	<i>(phone)</i>
Jerry Webb	U.S. Army Corps of Engineers (USACE)	<i>(phone)</i>
David Goodrich	U.S. Dept. of Agriculture, Agricultural Research Service (ARS)	<i>(phone)</i>

Other ACWI Members and Guests

Representative	Organization/Agency	<i>Participation</i>
Noller Hebert	U.S. Dept. of Agriculture, Natural Resources Conservation Service (NRCS)	
David Bylsma	US Environmental Protection Agency (USEPA)	
Francis Reilly	LMI	
Ed Tomlinson	Applied Weather Associates	
Thomas Roberts	Virginia DCR Dam Safety	
Karen Meetcham	US Environmental Protection Agency (USEPA)	<i>(phone)</i>
James Demby	U.S. DHS, Federal Emergency Management Agency	<i>(phone)</i>
Dongsoo Kim	NOAA NCDC	<i>(phone)</i>
Brian Bucler	Federal Highway Administration	<i>(phone)</i>
John Selman	LMI	<i>(phone)</i>
Melissa Kohler	CA Division of Water Resources)	<i>(phone)</i>
Regina Lyons	US Environmental Protection Agency (USEPA)	<i>(phone)</i>

SUMMARY

1. Welcome and Introductions

Victor Hom

- *ACWI SOH welcomed Mr. Ben Pratt, as this was his first time he had meet face-to-face with the ACWI SOH membership, other members of ACWI, our guest speakers (Mr. Francis Reilly and Dr. Ed Tomlinson), and invited guests (see attendance list). We were also very pleased*

to have Mr. Noller Herbert, USDA NRCS Conservation Engineering Division Director join us for the guest presentations and interact with the membership.

2. Review and Approval of Agenda Victor Hom
 - *Approved.*
3. Approval of Minutes from July 9, 2012 Meeting Victor Hom
 - *Approved.*
4. Status of Action Items from July 9, 2012 Meeting Victor Hom
 - *See attached **PRIOR ACTIONS AND STATUS***
5. Presentation #1: Army Water Boot Print Francis Reilly
6. Presentation #2: Challenges in Determining the Probable Maximum Precipitation Ed Tomlinson
7. Review of Work Group Reports and Q&A
 - a) Hydrologic and Hydraulic GIS Applications Work Group William Merkel
 - *ACWI-SOH members recognized William Merkel's contribution to ACWI-SOH. Bill is considering retiring and may be moving-on prior to the next ACWI-SOH meeting. Claudia will be submitting an article to recognize Bill's contribution to Hydrology in the next ACWI-SOH newsletter.*
 - b) Extreme Storms Work Group Tom Nicholson
 - *Due to Richard's illness, Tom had to accompany Richard to emergency care. This report out will be tabled to next meeting.*
 - c) Hydrologic Frequency Analysis Work Group Will Thomas
 - *At the March 19, 2012 HFAWG meeting, a few members expressed concern that the MGBT was identifying too many low flows as being influential.*
 - *This prompted additional research, in Dr. Stedinger and Mr. Lamontagne recommended to use an alpha of 0.5 percent for Step 1 of the Multiple Grubbs-Beck Test, to delete Step 2, and to leave Step 3 unchanged.*
 - *Dr. Stedinger and Mr. Jonathan Lamontagne presented this recommendation at the September 20 meeting and illustrated that the Type I error rate is now down to 15 percent and the recommended sweeps has a lesser tendency to identify a large number of Potential Influential Low Flows (PILFs) for a given sample for the test cases used in the Cornell report.*
 - *HFAWG hopes to complete testing of this new recommendation for the 82 sample stations.*
 - d) Hydrologic Modeling Work Group Chandra Pathak
 - *SEDHYD 2014 Conference (10th Federal Interagency Sedimentation Conference and 5th Federal Interagency Hydrologic Modeling Conference) will take place on March 23-27, 2014 at the Peppermill Hotel in Reno, Nevada. The team is working on the Call for Abstract Flyer. ACWI-SOH members are encouraged to Save this Date on their calendars.*

- e) Satellite Telemetry Interagency Work Group Comments
- *Jerry commented that the USACE was able to find resources for DOMSAT and it would be beneficial to seek more solid funding that could carry 3-4 years out.*
8. Standard Procedures for Invited Guests Claudia Hoeft
- *This procedure has been tabled because there are no consistent visitor and guest policies across the Federal spectrum. Since ACWI-SOH has chosen to distribute the quarterly meeting across different locations in the greater DC area to accommodate our guests and honored invitees from the host agency.*
 - *Guests, visitors, and ACWI-SOH members will have to be provided information and the guest/visitor registration requirements in advance of the meeting. ACWI-SOH Chair and Vice-Chair will work with the hosting agency in understanding the respective visitor policy and security procedures.*
9. Current Events within Hydrologic Communities All
10. Announcements and Q&A on Business Reports from Member Organizations All
- a) Business Reports:
- NWS Hydrology Program September 2012 Newsletter: <http://www.nws.noaa.gov/oh/confluence/>
 - NWS AWARE July 2012 Edition: <http://www.nws.noaa.gov/os/Aware/pdfs/12summer-aware.pdf>
 - NHWC Current Events: http://www.hydrologicwarning.org/content.aspx?page_id=22&club_id=617218&module_id=82953
- b) “The SOH CONNECTIONS” Newsletter Editor’s Report
- c) Joseph Gacinto is helping with the Fall/Winter 2012 Newsletter:
- d) Announcement for Workshop for Developing a Program in Probabilistic Flood Hazard Assessment (Prospectus) Tom Nicholson
11. Review Action Items Victor Hom
See New Actions below.
12. Plans for Next Meeting Victor Hom
- a. Monday, January 28, 2012 from noon to 3:00 pm EST
 - b. Location: USACE-HQ 441 G Street, N.W. Washington, DC.
 - c. Feature Presentation: The 2011 Mississippi River Basin Flood: A Perspective on Forecasting, Water Management, and Flood Fight
 - d. Guest Speaker: Dr. Chandra Pathak

PRIOR ACTIONS AND STATUS

Actions	Status	Due Date
Work Group chairs: Provide Workgroup reports to Richard and Victor for posting onto ACWI SOH Website.	Completed	August 15th
Michael Eberle: Provide meeting presentation to Richard and Victor for posting onto ACWI SOH Website.	Completed	August 15th
Robert Mason: Provide weblink to USBR site with references	Completed. See	August 15th

to B17B.	Will Thomas slides from April 19 th ACWI SOH Meeting.	
Victor Hom: Work with NWS to discuss repository and archiving of storm analyses.	Completed – Data Analyses for Storm Reports are being prepped to be archived at the National Archives Center	August 15th
Victor Hom: Provide Tom Nicholson and ESWG link to NWS Service Assessments and cite the assessment which mentions Extreme Storms.	Completed. Email sent	August 15th
Tom Nicholson and Victor Hom: Make plans to present an overview of ACWI SOH and ESWG activities to ICODS.	Victor invited James Demby, FEMA NDSP and ICODs led to October 15 th ACWI SOH Meeting, October 11 th ICODs meeting had pre-planned high level activities.	August 15th
William Merkel: Provide link to Spatial Workgroup presentation.	Completed – Received and Posted.	August 15th
All members: Provide NRC name and agency POC who would like to sponsor NRC workshop for January 2013.	Completed	September 5th
All members: Provide comments to Claudia on Guest Procedures	Completed, procedures may differ at hosting agency, as such coordination with ACWI Chair/Vice-Chair are still required	September 28
Richard Raione: Arrange for guest speaker	Completed- . Two speakers for October 2012	August 13

NEW ACTIONS

All members: Provide comments to William Merkel on Draft Report for Hydrologic and Hydraulics GIS Applications Workgroup.	Siamak to provide Bill a copy of FEMA disclaimer to be considered in the document that the document is a guideline and not a requirement.	October 31st
Robert Mason: Robert provided the link to a website which has been used to host research/development work for B17C and HFAWG. The link is to be used by ACWI members only.	Victor to forward link on December 10 th .	December 14th
Victor: Work with Chandra on presentation about the MR&T system for January 2013 meeting.	-	December 14th
Victor: Work with Richard and Claudia to put a simple paragraph on ACWI SOH procedures to welcome guest to attend the ACWI SOH meetings	-	December 14
All members: Submit newsletter articles to ACWI SOH editors: Joe Giacinto and Peter Chaput.	-	As received
All members: Submit current events and business reports on FY13Q1 activities to Richard and Victor in preparation for October meeting.	-	December 14 th
Work Group chairs: Send Work Group status reports to Richard and Victor in preparation for January meeting.	-	December 21
All members: Provide suggestions to Claudia on Conference themes for the SEDHYM 2014 Conference	Stay tune to Conference announcements	As received