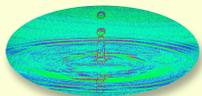


Adaptation Strategies and Information Needs in Response to Extreme Events

A series of workshops focusing on water resources, led by the National Oceanographic and Atmospheric Administration (NOAA), US Environmental Protection Agency (US EPA), Water Environment Research Foundation (WERF), and Water Research Foundation (Water RF).



NOAA ♦ EPA ♦ WERF ♦ WaterRF

NOTE: BOLDDED NAMES NOW MEANS THAT THEY HAVE NOT BEEN CONFIRMED

Adaptation Strategies and Information Needs in Response to Extreme Events: A Series of Workshops Focusing on Water Resources Russian River Case Study

Proposed Agenda - February 6, 2012

March 13 -14, 2012

TUESDAY, MARCH 13, 2012

- | | |
|---------------|--|
| 8:00 – 8:30 | Coffee |
| 8:30 – 8:45 | Welcome
<i>Facilitator and/or Planning Committee Representative</i> |
| 8:45 – 9:00 | Importance of Workshop
<i>Jake MacKenzie, Vice Mayor, City of Rohnert Park and Chair of the Sonoma County Regional Climate Protection Authority</i> |
| 9:00 – 9:30 | Russian River Watershed: Past, Current and Future Climatology and Hydrology
<i>Mike Anderson, California State Climatologist and California State Department of Water Resources (CA DWR)</i> |
| 9:30 – 10:15 | Challenges and Partnerships: <ul style="list-style-type: none">• Water Management - <i>Jay Jasperse, Sonoma County Water Agency (SCWA)</i>• <i>Ecosystem Services - Lisa Micheli, Pepperword Foundation</i> |
| 10:15 – 10:30 | Break |
| 10:30 – 11:15 | Mitigating Impacts of Extreme Events in the Russian River Watershed: Examples of Activities Aimed at Improved Resource Management (Part 1 of 2 sessions)
<i>Robin Webb, U.S. National Oceanic and Atmospheric Administration (NOAA), Session Chair</i> <ul style="list-style-type: none">• National Integrated Drought Information System (NIDIS) and USGS flood study and future climate modelling – <i>Lorrie Flint, U.S. Geological Survey (USGS)</i>• CA Dept of Water including Community Collaborative Rain, Hail and Snow Network (CoCoRaHS) – <i>Mike Anderson, (CA DWR)</i>• Integrated Water Resources Science and Services (IWRSS) and |

Hydrometeorological Testbed (HMT) Project –*Lynn Johnson, NOAA*

- 11:15 – 11:30 Questions and Answers
- 11:30 – 12:15 Mitigating Impacts of Extreme Events in the Russian River Watershed: Examples of Activities Aimed at Improved Resource Management (Part 2 of 2 sessions)
Robin Webb, NOAA, Session Chair
- Open space and agriculture preservation – *Karen Gaffney, Sonoma County Agricultural Preservation & Open Space District*
 - Sonoma County Water Agency programs – *Jay Jasperse, SCWA*
 - Coho Recovery Program – *Dick Butler, NMFS*
 - North Bay Climate Adaptation Initiative – *Lisa Micheli, Pepperword Foundation*
- 12:15 – 12:30 Questions and Answers
- 12:30 - 1:30 Lunch and Keynote Presentation: “XXXXX”
Assembly Member Jared Huffman, Chair of the California Assembly’s Water, Parks and Wildlife Committee
- 1:30 - 3:15 Evolution of Response to Extreme Events Panel
Jay Jasperse, SCWA, Session Chair
- Panelists:*
- *Mike Dillabough, U.S. Army Corps of Engineers, Manager of operations for Lakes Sonoma and Mendocino*
 - *Nick Frey, Sonoma County Winegrape Commission*
 - *Pam Jeane, Sonoma County Water Agency*
 - *Sean White, Mendocino County Flood Control District, City of Santa Rosa - Laguna Sub-Regional Treatment Plant*
- Questions to be addressed:*
- What are the series of events that shifted your approach to planning for an extreme event?
 - When and where did the shifts occur?
 - What was the sequence of change?
 - How does one adjust one’s operation/plan?
 - How do we begin to think differently and use new knowledge?
 - What was the sequence of change?
 - How were partnerships formed? How were roles identified?
- 3:15 – 3:30 Questions and Answers

- 3:30 – 3:45 Break
- 3:45 – 5:00 Previous Experience: Breakout Sessions
- Do you have any additional experience or inputs to add to the panel discussion of the previous session?
 - How were response partnerships formed and how did they function?
 - Given what we have learned how do you plan for an extreme event?
 - What lessons have you learned that would be of use to other geographic areas and/or sectors?

WEDNESDAY, MARCH 14, 2012

- 8:00 – 8:30 Coffee
- 8:30 – 9:00 Breakout Session Summaries
- 9:00 – 10:30 The Future: Breakout Sessions
- What plans does your organization have for responding to future extreme events?
 - What are your gaps in knowledge, institutions, and/or data systems?
 - What are your barriers for progress?
 - What are public, political, other concerns/pressures to plan (or not plan) for an extreme event?
 - What are your frustrations?
 - What are the institutional changes that may be needed to respond to future extreme events?
- 10:30 – 10:45 Break
- 10:45 – 11:45 Rapporteurs' Panel: Report Back and Concluding Session
- What needs to be done regarding outreach, education, and communication to prepare better for extreme events?
 - How does planning for an extreme event differ (or is the same) from planning for a changing climate? How is it the same?
 - How can the Federal government and the water NGOs help?
 - How can we complement each other?
- 12:00 – 1:00 Lunch – with Keynote Presentation: “Storms, floods and atmospheric rivers--Putting the extreme into California extreme” *Mike Dettinger, USGS and California Regional Integrated Sciences and Assessment (RISA)*
- 1:00 – 5:00 NIDIS California Pilot Drought Early Warning Information System Scoping meeting for a North Bay Counties and Russian River Valley pilot activity

Documents to be shared with participants:

- Russian River Water Data User Survey
- A one pager from each national/regional organization involved – that would highlight work in this geographic and topical (i.e., extreme events) area --- so far:
 - WERF,
 - WaterRF,
 - EPA,
 - NOAA (which would include River Forecasting Center, NWS?, Climate Program Office),
 - NIDIS,
 - USGS including flood inundation mapping
- Info about various local efforts in area
 - IWRSS doc (highlighting local efforts)
 - Sonoma County Water Agency –
 - Water Supply Strategies Action Plan
 - may want to highlight efforts pointed out by Lorrie – i.e., flood protection planning, forecasting and emergency information, monthly water agency newsletter, as well as their Water Advisory Committee
- Climate Change Handbook for Regional Water Planning produced by the California Department of Water Resources, U.S. Environmental Protection Agency, Resources Legacy Fund, and U.S. Army Corps of Engineers.