

**NBWA**  
**Joint (H/FP, IWR, WQ) Technical Committee**  
**July 6<sup>th</sup>, 2016**

## **Meeting Summary**

**I Reviewed prior action items** (✓ indicates completed or opportunity provided)

Actions May 4

- ✓ Final revisions to Rural Ram SOW prior to Presentation to the NBWA Board
- ✓ Tentative approval of funding for NB portion of shoreline access mapping project – ABAG and SFEP proponents to return to JTC for guidance and input during the development of the maps.

## **II Climate Ready North Bay working session**

Caitlin Cornwall with the Sonoma Ecology Center presented a PowerPoint discussing the NBWA-funded Climate Project. In 2012 NBWA funded the North Bay Climate Adaptation Initiative Project. The projects' timeline: Climate Ready North Bay Phase One → 2014-2016. Climate ready North Bay Phase Two → 2016. *Challenge:* To connect existing climate data and tools with users, and answer new questions. Take home messages from Phase One: There will be drier soils, whether or not there is more or less rain. We will see more extremes of excess and shortage, and less predictability. Design models for the extremes need to account for the worst-case scenarios. Climate change brings separate agencies and organizations together with a common cause: public health, land use, and business. A key issue is how to deal with uncertainty: precautionary approach is to plan for worst case, or preponderance of evidence. But for water managers, there is a need to create triggers and thresholds for management decisions or policy change. Climate hazards are creating allies. The big question is How to deal with equally likely climate models? It makes sense to plan around models depicting your personal [agency] worst-case scenario (e.g, too much water – flood protection agency, not enough water – water district). Go with the preponderance of evidence. Phase One has been completed – serving natural resource agencies in Marin, Sonoma, Napa, and Mendocino Counties, [larger area than NBWA]. Results from Phase One: temperature increases, depending on the model, +3.8, +4.2, +7.0 degrees for mid-century, and up to +11 degrees in end of century. The model also projected rainfall – no matter what model you use, there are more extreme years, and many fewer moderate years. It also projected groundwater recharge 2040-2069, and recharge is less volatile than runoff. Phase One created a new term: climactic water deficit: whether we're looking at a wetter or a drier future, there will a deficit because the future is warmer either way. Drier soils also create vegetation shifts. More information and detailed models can be found at <http://Climate.calcommons.org/crnw/home>.

For this meeting the issues are: what is the existing tool set? How best can we use these tools? What are the decision support tools still needed. The attendees suggested questions they would like to pursue with these and possible new climate tools and made suggestions about who from their counties should be involved in a set of September workshops being planned by SEC to follow up on this workshop..

**Action: Participants to get back to Caitlin Cornwall with names of people who should attend the September sessions and check dates for possible date conflicts.**

## **III Wrap up**

Next meeting- A next meeting was not set given there are four workshops now being planned for September. [NOTE: since then, a next JTC meeting has been set for Tuesday, **November 2<sup>nd</sup> 2016 -10:00 am-11: 45 Novato Sanitary District (500 Davidson)**

Next meeting will include focus on following:

- \* Status of current NBWA Projects/Climate Ready follow-up
- \* What's next for Game of Floods?

**Participants:**

Caitlin Cornwall, SEC  
Melissa Roberts, SEC  
Chris Choo, Marin DPW  
Megan Clark, LGVSD  
Judy Schreibman, LGVSD  
Jeff Sharp, Napa County PW  
Chris DeGabriele, NMWD  
Sandy Guldman, FOCMC  
Erica Yelensky, EPA  
Suzanne Marr, EPA  
Judy Kelly, NBWA  
Karen Weiss, CDFW  
Laurette Rogers, Pt. Blue  
Doug Moore, West Yost Assoc.  
Matt Erickson, CDFW  
Matt Sagues, MMWD  
Laura Saunders, Prunuske Chatham  
Ted Whiton, GHD  
Valerie Minton, Sonoma RCD  
Kristine Gaspar, GHD  
Eli Goodsell, Conservation Corp NB  
Cindy Shafer, Ca. State Parks  
Daria Isupov, Russian River Watershed Assoc.  
Shelly Benson, Cal Lichen Society  
Pam Reeves, Marin Conservation League  
Doug Wilson, Marin Conservation League  
Sarah Phillips, Marin RCD  
Suzanne Gilmore, CDFW  
Kristen Cole, MMWD  
Betsy Bikle, Mill Valley Stream Keepers  
Jamie O'Halloran, USACE  
Shari Gardner, Friends of the Napa River  
Lina Aoyama, USACE  
Scott Dusterhoff, SFEI  
James Chayka, Conservation Corps NB  
David Lewis, Cooperative Extension  
Robert Wilson, City of Petaluma