



## WATER RESOURCES ASSOCIATION OF YOLO COUNTY

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**Technical Committee Meeting**  
**Thursday, March 4, 2010, 8:30 – 10:30 am**  
**Woodland Community & Senior Center, 2001 East St., Room 2**

### AGENDA

1. **Call to Order**
2. **Approve Agenda and Adding Items to the Posted Agenda:** In order to add an item to the agenda, it must fit into one of the following categories: a) A majority determination that an emergency (as defined by the Brown Act) exists; or b) A 4/5ths determination that the need to take action that arose subsequent to the agenda being posted.
3. **Approval of Minutes from Previous Committee Meeting:** Minutes will be approved by consensus through email communications. Previous meeting was held on 2/4/10. Please comment by 3/8/10.
4. **Public Comment:** The public may address the Committee relating to matters within the WRA's jurisdiction.
5. **DWR Update:** Update from DWR staff on topics of interest to Technical Committee
6. **Water Legislation:**
  - a) Update on water policy package - Tim O'Halloran, YCFC&WCD/ Warren Westrup, Yolo County
  - b) Update regarding groundwater and water conservation legislation - Tim O'Halloran
7. **Yolo County IRWMP Update** – Jacques De Bra and Tim O'Halloran
  - a) Foundational actions – presentation and discussion
  - b) Summary of IRWMP Integrated Action updates
  - c) Next steps
8. **Member Information & Future Agenda Items:** Committee members are invited to recommend topics or future meetings and report on current issues/events.
9. **Next Meeting Date: Thursday, April 1, 2010, 8:30 to 10:30 am, Woodland Community Center, 2001 East St., Woodland, Meeting Room 2.**

*(**Note:** The TC will meet monthly on the first Thursday of the month and reserve the third Thursday to meet as needed.)*

### 10. Adjourn

I declare under penalty of perjury that the foregoing agenda for the March 4, 2010 meeting of the Technical Committee for the Water Resources Association of Yolo County was posted by February 26, 2010 at the office located at 34274 State Highway 16, Woodland, CA and was available to the public during normal business hours.

## Integrated Regional Water Management Plan April 2007

**Table 5-1 – Foundational Actions**

ID	Title	Related Categories*	Description	Geographic Area
FA1	Yolo County Groundwater Monitoring Program	WS, WQ	YCFCWCD, in cooperation with other local, county, state, or federal water resource agencies, developed the framework and guidelines for an ongoing, countywide Groundwater Monitoring Program. While future funding contributions need to be established, this program and its associated database, serve as the basis and clearing house for countywide groundwater monitoring coordination and information dissemination.	Countywide
FA1.1	Dunnigan Area Groundwater Monitoring Enhancement Program	WS, WQ	The Dunnigan Water District, through its Groundwater Management Investigation (October 2005) determined the need for construction of dedicated multiple completion monitoring wells to facilitate obtaining water level and water quality data for specific aquifers. The existing monitoring program is based on production wells that are screened over multiple aquifers. Additionally, the deep aquifer in the Dunnigan area has not been utilized and may offer potential for additional water supply depending upon the quality. Construction of new multiple completion monitoring wells would enable the District to assess the potential of the deep aquifer.	Colusa Basin Drain
FA1.2	UC Davis Groundwater Enhancement Program	WS, WQ	UC Davis is improving its understanding of its use of groundwater, by conducting groundwater investigations such as assessment of long-term yield and sustainability of the deep aquifer, development of a groundwater model to evaluate the impact of pumping at current and higher levels, and considering the joint impact of pumping by the City of Davis. UC Davis is also monitoring groundwater and will be replacing existing groundwater capacity (replacing wells) as the existing wells age.	Davis
FA1.3	City of Woodland Groundwater Enhancement Program	WS, WQ	Demands on the City of Woodland's groundwater supply are increasing while water quality issues are affecting some groundwater wells. Woodland has the potential to divert Sacramento River water under the joint water rights filing and put it to beneficial use. The primary concept behind this action is to divert Sacramento River water, perhaps through an agreement with RD 2035, and convey it to lands adjacent to the city for irrigation use in lieu of groundwater. This would leave additional water in groundwater storage for the City's wells. A secondary part of this action is additional investigation and possible utilization of the deep aquifer in the Woodland area to provide higher quality water and supplement the intermediate aquifer currently tapped by the City's wells.	Woodland

## Integrated Regional Water Management Plan April 2007

**Table 5-1 – Foundational Actions**

ID	Title	Related Categories*	Description	Geographic Area
FA2	Yolo County Surface Water Monitoring Program	WS, WQ, FM, AR	As part of the development of the Groundwater Monitoring Program, the Water Resources Information Database (WRID), includes a module for surface water monitoring data. A comprehensive program should be established to collect, input, quality control and report on all of the various surface water flow and quality parameters that are being collected by the various local, county, state, or federal water resource entities. The County's program of monitoring turbidity and suspended sediment needs to be incorporated into the monitoring program. The program would also identify data needs and promote ongoing regular monitoring by participating agencies.	Countywide
FA3	Yolo County Subsidence Monitoring Program	WS, WQ, FM	The Yolo County GPS Subsidence Monitoring Program recently completed its third triennial countywide survey of land surface elevations. The survey results are indicating that significant subsidence continues to occur in many areas of the county. The subsidence seems to be generally correlated with areas of groundwater pumping. However, there are questions with regards to other causes of subsidence and data interpretation. The 2005 subsidence results report contained a summary of 14 recommendations and their implementation status. Because of the importance of subsidence effects on groundwater use planning, the programs should be continued and implementation of key recommendations should be accelerated.	Countywide
FA4	Yolo County Groundwater Modeling Program	WS, WQ	YCFCWCD is developing a countywide Integrated Ground and Surface Water Model using IGSM. This modeling tool is available for use by qualified agencies and individuals to assist them in validating water management planning scenarios.	Countywide
FA4.1	City of Davis/UC Davis Groundwater Model Enhancement Program	WS, WQ	Davis and UC Davis have participated in joint groundwater management activities for several years and are in the process of developing a groundwater management plan (GWMP) for their service areas. YCFCWCD is also developing a GWMP for areas within its jurisdiction, including Davis and UC Davis. Under mutual agreement between the parties, the Davis-UC Davis GWMP addresses groundwater management needs specific to the Davis-UC Davis service areas. These service areas are not directly included or managed under YCFCWCD's GWMP. YCFCWCD is also developing a	Davis

## Integrated Regional Water Management Plan April 2007

**Table 5-1 – Foundational Actions**

ID	Title	Related Categories*	Description	Geographic Area
			countywide Integrated Ground and Surface Water Model using IGSM. This model includes the Davis area. The purpose of the Davis Area Groundwater Model is to support implementation of the Davis-UC Davis GWMP by providing a much higher modeling resolution than the IGSM model within the Davis-UC Davis service areas. The Davis Area Groundwater Model will be developed to be consistent with the countywide IGSM, but will have a more detailed representation of the Davis and UC Davis production wells and aquifer conditions around the wells.	
FA4.2	City of Woodland Groundwater Model Enhancement Program	WS, WQ	As part of the 1997 Water Master Plan, a Yolo Woodland Aquifer Model (YWAM) was developed. The YWAM was a refinement of the 1996 model developed for YCFCWCD for use in planning the proposed Cache Creek Recharge and Recovery Project. Geotrans later updated the model to provide greater detail and used the updated model to evaluate remote well field alternatives. Woodland now needs to extend the model into deeper zones and use the model to accomplish the following tasks: <ul style="list-style-type: none"> <li>• Predict the effects of new surface water for in-lieu recharge and direct municipal use</li> <li>• Model the effects of planned new wells</li> <li>• Evaluate how to minimize drawdown, energy costs, and subsidence</li> <li>• Model the transport of dissolved minerals, especially nitrate</li> </ul>	Woodland
FA6	Aquatic Habitat and Fish Opportunity Assessment	WS, WQ, FM, AR, R	To provide baseline and ongoing data related to aquatic habitat and fisheries in the region, a comprehensive monitoring program should be established. Similar to the groundwater and subsidence programs, it is envisioned that this would be a multi-agency program. Initial objectives of the program would be to identify and report on what is known and/or currently being monitored, as well as what critical data gaps exist. This information (data) is foundational to all five categories of the IRWMP.	Countywide
FA7	Water Resources Information Database Enhancement Program	WQ, AR	In 2004, YCFCWCD, in cooperation with other local, county, state, and federal water resource agencies, completed the development of a Water Resources Data Management System (WRID). While currently used primarily for groundwater level and quality data, it includes a surface water data module. The WRID needs to be populated, on an on-going basis, with new data, be quality controlled, and distributed to other agencies and the public.	Countywide

## Integrated Regional Water Management Plan April 2007

**Table 5-1 – Foundational Actions**

ID	Title	Related Categories*	Description	Geographic Area
FA8	SCADA Network Enhancement Program	WQ, FM, AR	YCFWCWD is developing a region-wide (Lake and Yolo Counties) broadband based SCADA (Supervisory Control and Data Acquisition) network. While its primary purpose is to monitor and control the District's "transmission and delivery" system, it is flexible enough and has the capacity to serve flood control, water quality and environmental monitoring purposes. This program requires ongoing maintenance and modernization.	Countywide
FA11	Topographic Mapping (LiDAR) Project		Development within Yolo County has substantially altered the land form from what is represented on quadrangle maps prepared by the U.S. Geological Survey. This is the consequence of the construction of infrastructure, leveling of land for agricultural production, the relocation of waterways, and land subsidence. Good topographic information is essential for sound planning thus topographic mapping of the Valley portion of Yolo County is needed. This can be accomplished in a cost effective manner using LiDAR (Light Detection and Ranging) technology to create a Digital Surface Model or topographic map.	Countywide
FA14	Development of HCP/NCCP	AR	The Yolo County Habitat Conservation Plan/Natural Communities Conservation Plan needs additional funding to be completed in the next 2-4 years. The HCP/NCCP will identify priority areas for protection of endangered species habitat.	County Wide
FA16	Lower Cache Creek Aerial Photography Project	AR	Yolo County contracts for aerial photography of the lower Cache Creek watershed every year.	Cache Creek

**Note:**

\* FA = Foundational Action, AR = Aquatic and Riparian Ecosystem Enhancement, FM = Flood Management and Storm Drainage, R = Recreation, WQ = Water Quality, WS = Water Supply and Drought Preparedness

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Water Resources Association of Yolo County  
**Technical Committee (TC) – February 4, 2010, 8:30 – 10:30 am**  
Woodland Community & Senior Center, 2001 East St., Woodland

**MINUTES**

**Committee Members:**

Jacques DeBra, City of Davis	Tim O’Halloran, YCFC&WCD
Stefan Lorenzato, YCFC&WCD	Mark Cocke, City of Woodland
Lewis Bair, Reclamation District 108	Don Peart, Colusa County Water District
Donita Hendrix, Dunnigan Water District	Warren Westrup, Yolo County
Dan Mount, City of West Sacramento	Bill Brewster, DWR
Dave Shpak, City of West Sacramento	Rich Marovich, Lower Putah Creek Coord. Comm.
Max Stevenson, YCFC&WCD	Donna Gentile, WRA
Cecilia Aguiar-Curry, City of Winters (via teleconference call)	

**Other Attendees:**

Dave Pratt	Monique de Barruel, West Yost Associates
Jeanette Wrynsinski, Yolo County RCD	

**Committee Members Absent:**

UC Davis	Reclamation District 2035
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- 1. CALL TO ORDER** by Jacques DeBra.
- 2. APPROVAL AGENDA & Adding Items to Posted Agenda** – Agenda was approved as presented. Agenda Item #6 will be postponed to 9:30 am or until Tim’s arrival due to a conflicting meeting .
- 3. APPROVE MEETING MINUTES** – Previous meeting minutes were emailed to the TC for review with today’s agenda. Comments on the 1/7/10 draft minutes are due by 2/8/10.
- 4. PUBLIC COMMENT** – No comments from the public.
- 5. DWR UPDATE** – Bill Brewster DWR, informed that Tasmin Eusuff has moved to the Division of Flood Management as of February 1<sup>st</sup>. Tasmin informed (via email) that for the interim period, Brett Wyckoff will be in charge of the projects she managed with the Division of Integrated Regional Water Management until her position is filled. Brett can be contacted at (916) 651-9283 or [bwyckoff@water.ca.gov](mailto:bwyckoff@water.ca.gov).
- 6. WATER LEGISLATION** (Tim O’Halloran, YCFC&WCD/Warren Westrup, Yolo County)
  - Update on water policy package* – Warren gave an update on the Delta Counties Coalition efforts relating to the recent Delta legislation. Supervisors McGowan and Provenza are involved. The Coalition strategized on next steps at a meeting yesterday. Tim informed that the flow criteria determination process is important to monitor and provide input to the SWRCB, which several local agencies are doing.
  - Update regarding groundwater and water conservation legislation* – Tim reminded that the WRA Board tasked the TC with reviewing the groundwater and water conservation legislation components. ACWA is involved in responding to legislative issues relating to water rights. NCWA is preparing a groundwater legislation summary, which Tim will forward when received.

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Tim reported that he and Bill Marble met with RD 999 and discussed their ability to comply with the new groundwater legislation. RD 999 could be included in the YCFC&WCD's AB 3030 plan or they could elect to develop their own plan.

Jacques added that all the local cities are required to update their Urban Water Management Plans in 2011. He summarized that overall a lot of collaboration and partnering will be needed to give a local voice to resource issues.

**7. YOLO COUNTY IRWMP INTEGRATED ACTION UPDATE**

Each of the Integrated Projects submitted a spreadsheet updating their list of actions.

- *Putah Creek Integrated Project*

Rich Marovich, Lower Putah Creek Coordinating Committee (LPCCC), gave an update on the status of integrated actions. He gave a project updates on the removal of the Winters Percolation Dam (AR38) and the collaboration with UC Davis and the YCFCWCD to remove vegetation along Putah Creek near the diversion dam (FM36). Approximately a half-dozen Putah Creek IRWMP integrated actions have been completed between 2007 and 2009. Proposition 50 grant funding has been awarded to begin stabilizing the banks of the Pleasants Creek tributary to address the most significant source of sediment loading in Lower Putah Creek (new action: Putah Creek Water Quality Improvement). Rich indicated that some of the actions are not fully completed as indicated by the completion date column in the spreadsheet.

- *Dunnigan Integrated Project*

Donita Hendrix, Dunnigan Water District, gave a status report on each action. Two deep-monitoring wells are scheduled to be installed with the assistance of grant funding. Two actions have been combined: Dunnigan Area Water Supply and the Wastewater Recycling Project. It remains to be clarified what kind of responsibility is placed on the Dunnigan area as a result of the revised Yolo County General Plan. When the developers submit a Specific Plan for the development a designated water source will be determined at that time. Donita was asked to fill-in the "Completion Year Anticipated" column of the spreadsheet.

- *Sacramento River West Bank Integrated Project*

The City of West Sacramento and Yolo County are co-lead partners for the actions of this integrated project. Dave Shpak, City of West Sacramento, gave an update on the flood management related actions (highlighted actions on the spreadsheet). Several actions are now components of the West Sacramento Levee Repair & Improvement Program (FM 41-43). The West Sacramento Area Flood Control Agency is collaborating projects with the California DWR and the US Army Corps of Engineers to evaluate and repair levees. Two levee repair early implementation projects and the River Walk Promenade Trail Project are listed on the Capital Projects List. Dan Mount, City of West Sacramento, gave an update on the water supply and water quality actions. Warren Westrup, Yolo County, gave a brief update on several County managed projects: Elkhorn Regional Park Project and Clarksburg Sacramento River Access and Boat Ramp Improvement Project. Additionally, Lewis Bair, RD 108, gave an update on several Knights Landing levee improvement projects.

- *RD 2035 Sacramento River Diversion & Conveyance Project*

Monique de Barruel, West Yost Associates, gave the update in the absence of Regina Cherovsky, RD 2035, who had a conflict and couldn't attend today's meeting. The Davis-Woodland Water

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Supply Project is working on integrating with RD2035's intake project. In 2009, a project JPA was established: the Woodland-Davis Clean Water Agency. Further project developments are pending on negotiations between RD 2035 and the Water Agency.

Jacques De Bra informed that the IRWMP Foundational Actions would be reviewed at the March TC meeting. In April, all the submitted information will be compiled (possibly with Monique's assistance). Then the TC will evaluate a strategic plan for updating the IRWMP. They will present recommendations to the WRA Board on where to focus time and money to update the document.

Other:

Lewis Bair, RD 108, informed that the District completed a report titled, "Strategic Plan for Groundwater Resources Characterization" (August 2009). He provided a copy for the WRA's library along with the District's "Groundwater Management Plan" (November 2008). Both are useful reference documents.

**8. MEMBER INFORMATION & FUTURE AGENDA ITEMS**

YCFC&WCD, CCWD and the City of Davis gave brief updates on recent agency activities.

March 4<sup>th</sup> agenda:

- Update on IRWMP Foundational Actions;
- Discuss process for initial compilation of Integrated Actions;
- Proposition 84 Update and incorporation of multi-county IRWM's.

**9. NEXT TC MEETING DATE:** March 4, 2010, 8:30 -10:30 a.m., at the Woodland Community & Senior Center, 2001 East St.

**10. ADJOURN** at 10:30 a.m.

Respectfully submitted,

Donna L. Gentile, WRA Board Secretary & Administrative Coordinator