



# COUNTY OF YOLO

Office of the County Administrator

*Patrick S. Blacklock*  
County Administrator

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## **CACHE CREEK TECHNICAL ADVISORY COMMITTEE (TAC) SUMMARY MINUTES**

Monday, February 14, 2011 10:00 AM  
County Administration Building, Atrium Training Room  
625 Court Street, Woodland

### 1. CALL TO ORDER

The meeting was called to order by Eric Larsen at 10:04 AM

Roll Call: Eric Larsen (TAC Fluvial Geomorphologist)  
Erik Ringelberg (TAC Riparian Biologist)  
Tim Horner (TAC Hydrologist)

Staff: Cindy Tuttle  
Tami Leathers

Consultant: Heidi Tschudin

Others: See attached sign-in sheet

### 2. APPROVAL OF THE AGENDA

After a quick review of the agenda by Mr. Larsen, the agenda was approved.

### 3. INTRODUCTIONS

Individual introductions of meeting attendees were made.

### 4. ADOPTION OF THE MINUTES

Erik Ringelberg asked that the word "reclamation" be replaced by "conservation" under section 6.1.2.

Eric Larsen asked that the word "saving" be added to section 7.9 thus reading "In the essence of saving time, the TAC decided to forgo this item this month".

Eric Larsen asked that the two item "7"s be corrected to item "7" and Item "8".

Mr. Larsen also asked that a list of action items be placed on future minutes.

It was moved by Mr. Horner and seconded by Mr. Ringelberg to approve the minutes from the January 10, 2010 meeting. The minutes were adopted as corrected.

5. PUBLIC COMMENT

No public comments were presented.

6. STAFF UPDATES

6.1 Natural Resources Division

6.1.1 CCAP General Plan Amendment

Cindy Tuttle reported that the CCAP General Plan Amendment was postponed going to the Board of Supervisors. This item is now scheduled to be heard by the Board on March 1, 2011.

Ms. Tuttle summarized SB 133 (Wolk). The CCRMP is recognized in SMARA as a reclamation plan through the end of next year. This bill by Senator Wolk will extend that date to 2026 consistent with the off-channel mining permit end dates. Mr. Schneider inquired how mercury issues would be affected by this extension. Ms. Tuttle responded that the mercury issue will be addressed in the Cache Creek Area Plan (CCAP) update.

Ms. Tuttle also noted that Tami Leathers will be working on finalizing the 2011 Aerial Survey Scope of Work and will distribute the document to the TAC and producers for comments and feedback.

6.1.2 General permit update

Ms. Tuttle reported that the Army Corps of Engineers (ACOE) general permit reissuance process is slow but is moving forward. Mr. Ringelberg also said that he was also working on the wetland delineation portion of the permit with ACOE.

6.1.3 OHV park update

Ms. Tuttle reported that the County and the Bureau of Land Management (BLM) met to discuss a possible Memorandum of Understanding (MOU) regarding an OHV park location on County and BLM Land near the Cache Creek Canyon Regional Park. Ms. Tuttle also noted that state grant funding is available for enforcement, restoration and planning of OHV areas and applications are due in March. Mr. Schneider voiced concern over an OHV park located on BLM lands. Ms. Tuttle said these concerns

would be addressed through the planning process if ultimately a planning grant is sought and awarded to the County.

## 6.2 Cache Creek Conservancy (CCC)

Lynnel Pollock announced that a gravel exhibit replicating a watershed will be constructed on the south side of the barn at the Cache Creek Nature Preserve (CCNP). A public work day is scheduled for work on the exhibit on March 12, 2011.

Ms. Pollock reported that the Re-Story Project is continuing and the CCC is working with UC Davis to develop an audio tour program highlighting the history of the Nature Preserve. A reading day is scheduled for February 26, 2011 and a date for completion is anticipated by the end of the 2011 calendar year.

A SLEWS day occurred at the CCNP on February 8, 2011.

Duck Days is scheduled for Saturday February 26, 2011.

The CCC submitted a grant application to the National Wildlife Foundation on February 14, 2011 and plan to submit grant applications for restoration of areas damaged by OHV access on Cache Creek.

The CCC toured the Millsap property with Cindy Tuttle to determine if any management actions needed to be discussed. It was noted that this area is a good nesting habitat for birds and deer and no action is needed at this time.

Cindy Tuttle announced that the CCC Fun Run (5K & 10K) will be held at the CCNP on April 16, 2011. Ms. Pollock will bring fliers to the next TAC meeting.

## 6.3 Yolo County Resource Conservation District

There was no update from the Yolo County Resource Conservation District.

## 6.4 Yolo County Flood Control and Water Conservation District

Max Stevenson reported on the status of water storage of Indian Valley Reservoir and Clear Lake. At this time water storage levels are enough to produce only 73% of irrigation demands. He is hopeful for more rain events to increase the storage to a point that would meet this year's needs and allow for carry over into next year.

## 6.5 Delta Tributaries Mercury Council Report

Mr. Ringelberg announced that a Council meeting is scheduled to be held on February 22, 2011.

## 7. REGULAR AGENDA

### 7.1 Consideration of alternative hydraulic and sediment transport modeling.

Fran Borcalli and John Pritchard gave a presentation on the possibility and advantages of using RiverFLO-2D modeling software instead of the HEC-RAS modeling software for hydraulic modeling in Cache Creek. RiverFLO-2D is a proprietary two dimensional model as compared to HEC-RAS which is a free one dimensional model. Mr. Borcalli and Mr. Pritchard wanted the TAC to have the option of discussing the use of this new software to model surface water elevations and sediment discharge.

Six reasons were listed why RiverFLO-2D is preferred over the HEC-RAS program for hydraulic modeling on Cache Creek.

- Defining terrain and channel geometry
- Characterizing channel roughness
- Facilitating vegetation management
- Analyzing sediment transport (can use 8 different equations)
- Quantifying channel bank and levee overtopping
- Interfacing with IGSM (a groundwater modeling program)

Discussion followed regarding time frame of deliverable results and costs involved with using this software.

- Estimated time of results being delivered – July to September
- Costs involved - \$50,000 to \$60,000 additional cost that could be shared between interested parties, plus \$4,500 for a network license of RiverFLO-2D and approximately \$6,000 for staff training.

Questions asked by staff and the TAC included: reactions by the mining operators; will this level of modeling produce significantly different results; will it be accepted by other permitting agencies (like the Corps); how will it affect mining applications (what if an operator does not have access to it); will results remain comparable to prior output; what other effects on the CCAP might result from switching models; would an amendment to the CCAP be required.

There was additional discussion about sharing a license, modeling of the Yolo Bypass, housing such modeling with one local entity, and general pros and cons of the two models.

It was recommended that this topic be revisited at the next TAC meeting so TAC and producers can investigate the idea further and make comments as needed.

## 7.2 Update on Status of Reports

7.2.1 Creek Walk Summary – All TAC members have submitted their creek walk summaries. Staff is reviewing the submittals and will provide comments as appropriate.

7.2.2 Annual Report 2009-2010 – Due date changed to April 1, 2011  
A meeting was scheduled for the TAC members to meet the afternoon of March 14, 2011 to draft their annual report.

## 7.3 Technical Study Update

Heidi Tschudin reminded the TAC that a scope, budget and schedule are due March 15, 2011 from each TAC member. The purpose of the Technical Study Update is to compile and analyze all CCAP program data collected from 1995 to 2010.

## 7.4 TAC Work Program and Budget for 2011 (this item was postponed to the next agenda)

7.4.1 Prepare and adopt scope of work and develop 2011-2012 budget  
Each TAC member will have a draft scope, budget, and schedule of their 2011 annual tasks and duties turned in by February 20, 2011.

7.4.2 TAC contracts – review for consistency

## 7.5 Schedule 2011 Creek Walk

A consensus was reached that the Creek Walk should be scheduled for late May or early June. Tami Leathers will work with the TAC and staff on scheduling the best time for the 3-day walk.

## 7.6 Receive TAC member updates

Erik Ringelberg reported on the California Central Valley Regional Water Quality Control Board's (CVRWQCB) work on an Environmental Impact Report (EIR) to control watersheds similar to Cache Creek increasing regulation and providing a new wadeable stream protocol.

Tim Horner reported that he has submitted his Creek Walk Summary.

Eric Larsen reported that he is currently assessing RiverFLO-2D and HEC-RAS modeling; has submitted his Creek Walk Summary; and has completed the incident command center training enabling him to work as the Flood Coordinator with EOS.

8. FOLLOW UP ITEMS

1. The final draft of the Aerial Photography Scope of Work will be sent to both the TAC and Producers for input prior to consideration at the March TAC meeting. – Tami Leathers
2. County to correspond with Department of Water Resources (DWR) and Producers regarding the option of using RiverFLO-2D for the CCAP program. – Cindy Tuttle
3. County to contact TAC to schedule 2011 Creek Walk – Tami Leathers
4. Forward template of scope to County for distribution to other TAC members – Eric Larsen
5. Place a separate “Follow up Items” on each month’s minutes

Upcoming Deadlines:

Now	Annual CCAP TAC - Scope of Work & Budget
March 14	Annual Report - Individual disciplines component
March 15	CCAP Tech Study - Scope of Work and Budget
April 1	Annual Report

Future Agenda Items - Further discussion and report back on RiverFLO-2D Annual Report  
TAC Work Program and Budget

9. NEXT MEETING

The next TAC meeting will be held at 10:00 AM on Monday, March 14, 2011

10. ADJOURNMENT

The meeting was adjourned at approximately 12:02 PM by Eric Larsen.

Respectfully submitted,

Cindy Tuttle, Natural Resources Coordinator  
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# CACHE CREEK TECHNICAL ADVISORY COMMITTEE (TAC)

FEBRUARY 14, 2011 10:00 AM

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