



JOHN BENCOMO
DIRECTOR

County of Yolo

PLANNING, RESOURCES AND PUBLIC WORKS DEPARTMENT

292 West Beamer Street Woodland, CA 95695-2598 (530) 666-8775 FAX (530) 666-8728
www.yolocounty.org

Cache Creek Technical Advisory Committee Summary Minutes May 9, 2006

Members in Attendance:	Kevin O'Dea, Jeff Hart, and Geoff Schladow.
County Staff:	Julia McIver, Kim Kinna, Dimitrios Georges, and Chris Alford
Others in Attendance:	Lynnel Pollock, Ben Adamo, Jack White, Steve Azevedo, Lloyd Burns, Duane Chamberlain, Dave Pratt, Bill Cruickshank, Barry Cavanna, Max Stevenson, Lillie Noble, Glen Jesen, Zoltan Matica, Laurie Brajkovich
Members Absent:	NONE

1. CALL TO ORDER

The meeting was called to order by County staff at 10:05 AM.

2. ADOPTION OF MINUTES OF THE PREVIOUS MEETINGS:

Jeff Hart moved to adopt the Aril 2006 meeting minutes.
Geoff Schladow seconded the motion. All approved.

3. REGULAR AGENDA:

3.1 TAC member final presentations of findings for the 2005 CCRMP Status Report and Trends Analysis.

3.1.1 Jeff Hart presented maps delineating the coverage of riparian vegetation in the CCRMP area. Jeff utilized print-outs of the most recent black and white aerial photos for both the entire CCRMP area and individual reaches with overlays delineating the CCRMP area, riparian vegetation and some delineated project sites. Over 350 acres of riparian vegetation were mapped for the 2005 study for the CCRMP area, with acreages also noted by reach. This monitoring effort showed an increase in the coverage of riparian vegetation in comparison to the 1996 Technical Studies, which delineated approximately 200 acres of riparian vegetation, although comparison of the two studies is difficult due to differing methodologies.

Utilizing LiDAR technology in the future will assist in data collection by including height data for vegetation and assisting in more detailed vegetation classification. Color aerial photos taken this spring will assist in invasive species mapping. Assessment of human assisted restoration projects showed that plantings in areas with a reliable water source and use of appropriate species for the site are two primary factors contributing to planting success. Jeff noted that some of the project sites had more than adequate documentation of monitoring efforts, while others had none. He suggests the creation of a standardized site index approach to future monitoring efforts.

3.1.2 Geoff Schladow stated that five pressure sensor stage gages were installed in Cache Creek. These loggers record every ten minutes. Creek flows are still too high to retrieve data loggers. Once retrieved, the data from these loggers will show how flood waters move downstream and the relationship between the Rumsey and Yolo gage stations. Foothill and Associates were contracted to conduct water quality monitoring to carry out water quality sampling. This is done three times per year: during winter, summer, and first flush conditions. One notable element of data is high fecal coliform values between the Rumsey Bridge and Gordon Slough. Geoff suggested potentially taking additional samples in areas between the Rumsey Bridge and Gordon Slough.

Geoff also gave a presentation of the results of the 2004 and 2005 TSS and turbidity reports. He noted that TSS and turbidity were highly correlated during both years. It was noted that 99% of the sediment transport occurred during the two to three high flow events each year. Approximately 265,664 tons of material passed by Yolo during 2004 while ~104,101 tons of material passed by Yolo during 2005.

3.1.3 Kevin O'Dea addressed channel changes over the past year by subreach, including observations made during the 2005 Creek Walk. Kevin reported that some reaches are significantly less variable than others and gave a verbal description of each reach and project sites within each reach. He also noted the adverse conditions around bridges related to channel meandering and how bridges constrict the river. Bridge protection and projects around bridges due to erosion will be ongoing as channel meanders pass through them. In 2005 there were no serious threats to bridge conditions.

4. STAFF UPDATE:

- 4.1 Aerial photography: Staff reported that aerial photography of the creek during the tamarisk bloom took place on April 17th and 18th. Photography is currently being processed and will be delivered to the County within the next few weeks.
- 4.2 CCRMP Status Report Update: Staff are in the process of collecting all data for the report. Questa has been contracted to convert historical DTMs from AutoCAD to GIS shapefiles for analysis of channel sinuosity.
- 4.3 DWR setback levees: Staff attended a site visit with the Department of Water Resources (DWR) on April 6th to review the three setback levees planned along Cache Creek. DWR has worked out the plans with the landowners effected and has determined that no mitigation is necessary specific to those plans. County staff will monitor the construction of the levees for any adverse effect to the Creek.

Huff's Corner: Staff presented a conceptual design for the site developed by Questa. The design addresses two areas along Huff's corner: a 200ft band of erosion downstream of Huff's Corner (Site 1) and the outermost bank of Huff's Corner (Site 2). The concept design for Site 1 includes a bank repair that is keyed back into the slope at both ends. The design at Site 2 includes a reduced bank slope containing three groins that is graded into the existing channel. It is also proposed that sediment removal on the north bank of the in-channel sandbar occur to balance the cut and fill of slope grading to retain channel volume. The construction costs are estimated at \$750,000 with costs of the entire project estimated at approximately one million. Staff are currently working to get FEMA funding for the project and are working to use the CCRMP general permit so that the process can move quickly.

4.4 Dunbar Erosion Site: Staff reported that Questa has been contracted to look at Jesus Maria and Madison Sub-reaches as well as erosion upstream of I-505. Questa has determined that there is no immediate threat to the I-505 bridge due to erosion along the Creek above the bridge.

4.5 Mining Inspections Report to Planning Commission May 11, 2006: Staff reported that all gravel operations along lower Cache Creek are in compliance with agreements. Additional water quality monitoring will be done in cooperation with the gravel operations to address elevated coliform counts. Staff will report the annual inspection findings to the Planning Commission on Thursday.

4.6 Cache Creek Conservancy tamarisk removal grant update: Lynell Pollock, Executive Director of the Cache Creek Conservancy, stated that the spray program will start after July 4th. There has been no re-vegetation efforts so far this year due to high water levels. There will be a two-day invasive plant console workshop on May 24 and May 25, 2006. The RCD is also co-sponsoring a tamarisk and arundo removal workshop on June 20, 2006.

5. COMMITTEE REPORTS:

None

6. PUBLIC COMMENTS:

6.1 Moore Siphon: Max Stevenson of the YCFCWCD stated that the Moore Siphon has damage on the intake side. YCFCWCD is currently diverting as much water from the creek as possible and has a crew investigating the site in order to remove large woody debris and make emergency repairs.

7. SET DATES FOR FUTURE MEETINGS:

The next regular meeting of the TAC is scheduled for the Creek Walk on June 14, June 15, and June 16, 2006.

8. ADJOURNMENT:

The meeting was adjourned by Staff at 12:05 pm.