

# Yolo County Flood Control & Water Conservation District

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## AGENDA Board Meeting 34274 State Highway 16 Woodland, CA 95695 Tuesday, June 5, 2007 7:00 P.M.

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In compliance with the Americans with Disabilities Act, if you have a disability and need a disability-related modification or accommodation to participate in this meeting, then please contact Christina Cobey at (530) 662-0265 or (530) 662-4982 fax. Requests must be made as early as possible, and at least one full business day before the start of the meeting.

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## AGENDA

- 7:00 1. Board Consideration: The Board will consider adoption of the minutes of the Regular May 1, 2007 and May 8, 2007 Special Board Meetings.
- 7:02 2. Open forum (Limited to five minutes): Guest introductions, unscheduled appearances and opportunity for public comment on non-agenda items.
- 7:07 3. Board Consideration: Adding Items to the Posted Agenda.  
In order to add an item to the agenda, it must fit 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.
- 7:10 4. Presentation: Water Awareness Poster Contest winner will receive her awards from the Board.
- 7:40 5. Staff Presentation: George Sabol, Stantec, will review the Capay Dam Assessment.
- 7:50 6. Board Consideration: Rescinding Notice to withdraw from the ACWA/JPIA Liability Program.
- 7:55 7. Board Consideration: Water Resource Association's Integrated Resource Water Management Plan Final Report.
- 8:00 8. Staff Report: University/Willow Canal.
- 8:10 9. Board Consideration: Approval of the Flood Pilot Program Memorandum of Understanding (MOU).

- 8:15 10. Directors' Reports: Each member of the Board will have the opportunity to report on meetings and conferences attended during the prior month on behalf of the District.
- 8:20 11. Attorney's Report: The District's attorney will report on current legal and legislative activities.
- 8:25 12. General Manager's Report: The Board will receive a report from the General Manager or designated representatives regarding current general activities and projects of the District.
- a) General Activities
  - b) Board Workshop
  - c) Operations, Maintenance and Water Conditions
- 8:45 13. General Discussion: Opportunity for Board members to ask questions for clarification, provide information to staff, request staff to report back on a matter, or direct staff to place a matter on a subsequent agenda.
- 8:55 14. Board Consideration: The Board will consider the approval and the payments of bills.
- 9:00 15. Closed Session:  
Conference with Legal Counsel Under:  
a) Brown Act Section 54956.9 Carman vs. YCFC&WCD and Watson vs. YCFC&WCD
- 9:29 16. Closed Session Report
- 9:30 17. Adjourn

The public may address the Board concerning an agenda item either before or during the Board's consideration of that agenda item. Public comment on items within the Board's jurisdiction is welcome, subject to reasonable time limits for each speaker. Upon request, agenda items may be moved up to accommodate those in attendance wishing to address that item. Times listed for consideration of agenda items are approximate only. The Board may consider any agenda item at any time during the Board meeting.

I declare that the foregoing agenda was posted at the office of the Yolo County Flood Control and Water Conservation District, 34274 State Highway 16, Woodland, CA on June 1, 2007.

By: \_\_\_\_\_  
Christina Cobey, Administrative Assistant



Y O L O C O U N T Y  
FLOOD CONTROL &  
WATER CONSERVATION  
DISTRICT

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## BOARD MEETING MINUTES

Tuesday, June 5, 2007, 7:00 PM

YCFCWCD Offices  
34274 State Highway 16  
Woodland, CA 95695

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The regular meeting of the Board of Directors of the Yolo County Flood Control and Water Conservation District (District) was held at 7:00 p.m. on June 5, 2007, at its regular place of business, 34274 State Highway 16, Woodland, California. Chair Scheuring convened the meeting. In attendance were:

### District Board

David Scheuring, Chair  
Ann Brice, Director  
Bruce Rominger, Director  
Ron Tadlock, Director

### District Staff and Consultants

Tim O'Halloran, General Manager  
Christy Barton, Assistant General Manager  
Mike Horgan, District Engineer  
Margaret Kralovec, Writer/Editor  
Jen Reed, Project Manager  
Paul Bartkiewicz, Legal Counsel  
George Sabol, Project Manager, Stantec Consulting, Inc.  
Mike O'Hagan, Stantec Consulting, Inc.  
Terry Wills, Special Legal Counsel, Cook Brown

### Members of the Public

Hanna Bretschneider, Water Awareness Poster Award Winner, and family  
Duane Chamberlain, Yolo County Board of Supervisors  
Dave Pratt  
Frank Sieferman, Sr.

07.24

### **1. MINUTES**

M/S/C approved the minutes of the regular May 1, 2007, Board meeting with corrections and the special May 8, 2007 Board meeting as presented.

### **2. OPEN FORUM**

Meeting attendees introduced themselves to the Board.

### **3. BOARD CONSIDERATION: Adding Items to the Posted Agenda**

The Board briefly delayed consideration of Agenda Item 4 until the award winner and her family arrived.

### **4. PRESENTATION: Water Awareness Poster Contest Winner Hanna Bretschneider**

Director Brice reported on the presentation of the Water Awareness Poster Contest awards at the May 22, 2007, Yolo County Board of Supervisors meeting. Students from Yolo County public and private schools and homeschools entered more than 600 entries in the contest which was jointly sponsored by the District and the Water Resource Association of Yolo County. The Yolo County Board had warmly received award winners and their friends and family with a brief ceremony and refreshments. Winning entries will be published in a 2008 Water Awareness calendar next year.

Brice awarded a third-place ribbon, award, and gift certificate to Hanna Bretschneider, a second-grader from Pioneer Elementary School in Davis, who had been unable to attend the Board of Supervisor's awards ceremony. The award to Ms. Bretschneider was followed with refreshments for the award winner and her family, Board members, and all meeting attendees.

Chair Scheuring expressed the Board's gratitude to Director Brice, Christina Cobey of Yolo County Flood Control & Water Conservation District, Donna Gentile of the Water Resource Association of Yolo County, and Betty Berteaux, local artist, for overseeing and judging the contest.

### **5. STAFF PRESENTATION: Stantec's Capay Dam Assessment**

District Engineer Horgan briefly described the background of the Capay Dam assessment project that occurred in late 2006. Following the 2003 repair of the dam's apron, the District noticed continuing and significant erosion at and near the nearly 100-year-old dam. The District asked Stantec Consulting, Inc., to assess the condition of the Capay Dam, which they did in October and November of 2006. Stantec has issued a Draft Final Inspection Report on the Capay Dam, which is available for review at the District office. Horgan introduced George Sabol, Stantec's Project Manager and Engineer, who provided a PowerPoint presentation on Stantec's assessment and recommendations for Capay Dam.

Stantec Project Manager Sabol gave a brief overview of the project, including the make-up of Stantec's inspection team, the review of dam records, the physical inspection of the dam, and Stantec's analysis of data and recommendations. Sabol reported on Stantec's findings, analysis, and recommendations.

Finding: Scour at the End of the Apron

Stantec considers the scour at the toe of the apron to be the most critical and urgent of their findings. Over the life of the dam, about 18 vertical feet of native material has been scoured from the downstream side of the dam. It is not known if the scour will continue.

Recommendations:

1. Replace the apron with a longer structure and a deeper cutoff wall that reaches competent bedrock.
2. Evaluate the benefit and cost of a downstream grade control structure which would act as a “plug” in the river to keep streambed degradation from moving upstream.

Discussion:

In response to questions, Sabol indicated that placement of the new apron would require further evaluation.

Finding: The Dam is Susceptible to Overturning

In their analysis of different scenarios, Stantec found that during the irrigation season, when impounded waters are at a high level but not overtopping the inflatable dam, the combination of water pressure, sediment, and uplift on the dam structure creates a risk of the dam being overturned. Earthquakes may also present a high likelihood of dam failure. This risk of dam failure becomes more severe when coupled with the creek’s current downstream scour situation.

Recommendations:

1. Incorporate stability improvements into the new apron.

Finding: Failed Flashboard Sockets

Stantec assessed the shearing of steel sockets bolted on the upstream side of the dam to hold vertical flashboard supports in the event of bladder failure. The socket failure does not appear to be caused by inadequate bolts, but rather, by debris and trees catching on the sockets and twisting them off under the force of the current.

Recommendations:

1. Replace missing sockets with bolts of the same size in the same locations as a temporary measure.
2. Investigate alternative methods for securing flashboards.

Finding: Sediment Erosion of Concrete

Sediment in the flow is eroding the dam’s concrete structure, particularly on the north half of the dam. The inspection team determined that up to 18 inches of concrete has been eroded, contributing to the failure of the apron in 2003.

Recommendations:

1. Evaluate and quantify sediment erosion damage.
2. Evaluate cost effectiveness of erosion protection such as rubber sheeting.

Finding: Distress of Abutment Walls

The abutment walls of the Capay Diversion Dam exhibit bulges, cracking, and vegetation growth

through the cracks.

Recommendations:

1. Assess the severity of wall damage.
2. Monitor walls for further distress.
3. Conduct alternatives evaluation.

Finding: Need for Headworks and Conduit Maintenance

Stantec identified the need for ongoing maintenance, including the replacement and repair of gates, relocation of trashracks, repair of headworks' decking concrete, conduit wall repair for both the Winters and West Adams Canals, and repair of exposed rebar in conduit soffits.

Recommendation:

1. Establish a schedule to address ongoing needs for headworks and conduit maintenance.

Finding: Need for Inspection Program

Stantec identified the need to develop an inspection program that ensures regular inspection of dam features. They recommend beginning with an annual monitoring schedule over the next few years to develop an understanding the rate of changes, then maintaining annual inspections for targeted areas, and a five-year inspection schedule for more stable dam features.

Recommendation:

1. Establish monitoring schedule for:
  - Upstream face of dam
  - Degradation and scour
  - Cracks
  - Seepage
  - Sediment erosion of concrete
  - Dam condition and movement

Discussion:

Frank Sieferman, Sr., asserted that the natural flow direction of the creek has moved from the original dam site, and wondered if changing the creek flow direction could reduce some identified problems. Sabol acknowledged that Cache Creek flow direction might have changed over time, but he indicated that current environmental regulations would preclude any such redirection of the creek. Even if such a remedy were attempted, Sabol thought it would likely not succeed in correcting identified problems.

Sabol indicated that Stantec assessed only the causes of socket failure in the flashboard support system, and did not analyze the effectiveness of the existing sockets. He noted the difficulty of bolting sockets to the dam only when needed because such a case would likely occur during periods of high flow.

General Manager O'Halloran anticipated that next steps would include developing a scope of work, assessing alternatives, selecting and designing solutions, putting the project out to bid, and constructing the project. Scheduling work would require further consideration, and might involve a two-step plan that keeps half the system operable while the other half is being worked on. He anticipates that apron replacement would likely not occur next winter unless a crisis

occurs in the meantime.

Director Brice asked if the District could request mitigation funding from aggregate companies and/or Yolo County aggregate funds. O'Halloran noted that next week's 2X2 meeting with the County may offer an opportunity to discuss such an option for the future, but that each project would have to be evaluated for eligibility and proportion of responsibility before requesting mitigation funds.

O'Halloran stated that no piece of District infrastructure is more critical than the Capay Diversion Dam because 100% of diverted flow passes this structure. Chair Scheuring added that because of the dam's essential contribution, the District should proceed with dam maintenance planning and implementation with all deliberate speed.

#### **6. BOARD CONSIDERATION: Rescinding Notice to Withdraw from ACWA/JPIA Liability Program**

Assistant General Manager Barton presented the Board with a rescinding notice to withdraw from the ACWA/JPIA Liability Program.

**07.25** M/S/C approval of rescinding notice to withdraw from the ACWA/JPIA Liability Program.

#### **7. BOARD CONSIDERATION: Water Resource Association's (WRA) Integrated Resource Water Management Plan (IRWMP) Final Report**

Chair Scheuring announced that the WRA's IRWMP Final Report is to be considered for adoption by WRA member agencies, including the District. To qualify fully for certain types of state funding, all member agencies must adopt a plan by August 1, 2007. General Manager O'Halloran provided CDs of the final report and hard copies of the Executive Summary. O'Halloran reminded the Board that though the Final Report, as such, is presented for adoption, it is in fact a living document that will be updated through a WRA update process. Chair Scheuring indicated that this update process will be addressed at the next WRA meeting.

**07.26** M/S/C adoption of the Integrated Resource Water Management Plan (IRWMP) Final Report as issued by the Water Resource Association of Yolo County.

#### **8. STAFF REPORT: University and Willow Canals**

Chair Scheuring reported that on May 8, 2007, the Board convened a special Board meeting to tour the University Canal, the Willow Canal from 95B to Glide Ranch, and the Fairfield Canal. General Manager O'Halloran related that there was general interest among University representatives and the District to move the University Canal into the grasslands 50 feet north of its current channel. Instead of filling canyons caused by erosion, it would be cost-effective and habitat-enhancing to create swales and benches in the disturbed terrain. There is also consideration among the parties for converting the largest erosion area into a creek access road, an idea that is supported by Putah Creek Streamkeeper Rich Marovich as well, according to O'Halloran.

O'Halloran proposed to do more investigation of alternatives, and to bring back accurate project

figures for the Board to consider.

**9. BOARD CONSIDERATION: Approval of the Pilot Flood Management Program Memorandum of Understanding**

The Board discussed approval of the Memorandum of Understanding (MOU) of the Pilot Flood Management Program. There was modest concern expressed that MOU language might imply more assurance of District success than should be expected from a pilot program, but General Manager O'Halloran indicated that Woodland, Yolo County, and the District are in clear agreement that the pilot is an important trial effort without any guarantees. He stated that managing expectations will be part of the joint program's responsibilities.

**07.27** M/S/C approval of the Pilot Flood Management Program Memorandum of Understanding.

**10. DIRECTORS' REPORTS**

Director Brice reported that the Personnel Committee had just concluded its part in updating General Manager O'Halloran's contract and reimbursements for District-related expenditures.

Director Tadlock attended the most recent NCWA meeting, but had nothing new to report back to the Board.

Director Rominger announced a 2X2 meeting between Yolo County and the Yolo County Flood Control and Water Conservation District on Thursday, June 7, 2007.

**11. ATTORNEY'S REPORT**

District Legal Counsel Bartkiewicz reported that hearings are being held upon the temporary suspension of moving water in state and federal aqueducts to protect the Delta smelt. The major hearing relating to the Endangered Species Act is scheduled for August, 2007.

**12. GENERAL MANAGER'S REPORT:**

**a. General Activities**

O'Halloran reported that the District had received the Indian Valley vibration analysis report from Vibration Specialty Corporation (VSC). Their data analysis in the lab indicated that the source of vibration was not cavitation, as conjectured, but rather, turbulence caused by liquid passing the butterfly valve. VSC determined that the vibration of the 60" pipe is safe up to tested levels of 760 cfs. Additional data analysis would be required to determine the safety of flow rates above 760 cfs. The current flow rate is running around 550 cfs. Though the main penstock vibration fits within an acceptable zone, the 8" combination valve will require some modification to center its base of gravity directly above the pipe. All other equipment at Indian Valley checked out. VSC recommends an annual survey of the equipment and its vibration to monitor its status.

The Stewardship Award luncheon has been scheduled for July 12, 2007, at the Woodland Hotel.

**b. Board Workshop**

The Board Workshop, which was postponed because of last month's special Board meeting, was rescheduled for June 20, 2007, from 2-6 pm. The location of this open meeting is to be arranged

and announced by the District. Chair Scheuring indicated that the purpose of the meeting is to lay out issues and to consider the big picture for the District, including environmental stewardship and the overall direction of the agency.

c. Operations, Maintenance and Water Conditions

O'Halloran reported that recent hot weather created a waiting list for irrigation water during the past week. The District continued its work to improve delivery bottlenecks, and though some water users have expressed concern, this year's delivery situation has not been as bad as last year's. O'Halloran noted that this is an inherent problem with the District's irrigation delivery system, and that cooperation among water users helps the situation.

O'Halloran reported that he and Director Vink had visited with Supervisor Mike McGowan in the past month, and had found him supportive of District activities. They discussed tribal expansion, and the purchase of water for the casino as well as for the golf course. Though the District would not release water specifically for this purpose, O'Halloran noted, it could sell water already available for use at the casino. The District and the District's legal counsel are working on a contract for this water purchase.

**13. GENERAL DISCUSSION:**

Director Rominger discussed the waiting list for irrigation water, and the problem it presents to individual growers.

Director Brice commended the District on the Water Awareness Contest press release, and expressed the importance of press coverage for the District's good work in the community.

**14. BOARD CONSIDERATION: Payment of Bills**

07.28 M/S/C approval for the following claim(s) for payment:

Yolo Flood Control Checks: #38635 - #38683

**15. CLOSED SESSION:**

The regular meeting was adjourned to Closed Session under Brown Act Section 54956.9(a) Carman vs. YCFC&WCD and Watson vs. YCFC&WCD, Brown Action Section 54956.9(b), and Government Code Section 57957 Personnel Issue.

Persons present other than the Board were General Manager O'Halloran, Assistant General Manager Barton, Attorney Bartkiewicz, and Special Legal Counsel Wills.

**16. CLOSED SESSION REPORT**

The regular Board meeting was reconvened. Chair Scheuring reported that during Closed Session the Board took no action.

**17. ADJOURN:**

There being no further business to come before the Board, the meeting was adjourned.

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David Scheuring, Chair

ATTEST:

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Tim O'Halloran, Secretary

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