

SOLANO COUNTY WATER AGENCY



FLOOD CONTROL ADVISORY COMMITTEE **Meeting Announcement**

DATE: Thursday, March 26, 2009

TIME: 7:00 p.m.

PLACE: Solano Irrigation District Board of Directors Room
508 Elmira Road
Vacaville

AGENDA

1. Introductions and Public Comment
2. Approval of Minutes of January 22, 2009
3. Committee Vacancies – Two positions open
4. Storm of February 22, 2009 – Sweeney Creek Flows
5. New Rio Vista Flood Study
6. Small Grant Projects: Staff Update
7. Medium Sized Projects: Staff Update
8. Discuss Pre-Budget Flood Control Work Plan for Fiscal Year 2009-2010
9. Future meeting items
10. Set meeting dates for 2009
 - April 23
 - June 25
 - August 27
 - October 22
 - December 3

If you have any questions contact Alex Rabidoux at (707) 455-1106

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SOLANO COUNTY WATER AGENCY

FLOOD CONTROL ADVISORY COMMITTEE

MEETING MINUTES: January 22, 2009

Introductions and Public Comment: Chairman Rolf Ohlemutz called the meeting to order at 7:00 pm.

Approval of Minutes of October 23, 2008 and December 4, 2008: The minutes were unanimously approved.

Student Presentation – Flood Prevention: A group of Vacaville students who are a robotics team gave a presentation to the Committee on potential solutions to flooding problems in Vacaville. The robotics team is studying local climate issues as part of their program. The Committee thanked the students for their insightful presentation.

Committee Vacancy: Staff reported that there are still 2 vacancies on the Committee.

Election of Chair and Vice-Chair: On a motion by Steve Chappell and second by Ron Campbell the committee unanimously approved the continuance of Rolf Ohlemutz and Terry Riddle as chair and vice-chair, respectively, for 2009.

Lagunitas Detention Basin: Gary Cullen of the City of Vacaville responded to some questions from the last meeting regarding the operations of the Lagunitas Detention Basin during the 2005 flood. Gary looked at the construction plans for the basin and developed a diagram showing how the basin operates during a flood. The design of the basin confirmed the observations in the photographs by Del Berg that was presented at the last meeting. The basin was designed and constructed by a developer to mitigate the impacts of peak flows from a development in Vacaville. The basin was designed to only reduce peak flows on larger storms with the medium and smaller storms bypassing the basin. The basin is designed with a slope at the bottom of the basin so that when full, there is a 9 foot differential between the deepest part of the basin and the shallowest part of the basin. As the basin discharges the water surface declines and the basin may appear to be only partly full a few hours after filling. The committee thanked Gary for responding to questions from the Committee.

Gibson Canyon Creek Study: David Okita reported that the modeling has been completed of a potential detention basin in the Gibson Canyon Creek area near Leisure Town Road. The potential basin is an abandoned wastewater treatment plant owned by Vacaville. That area has been subject to flooding and includes the PG&E facility along Interstate 80 and Mills Lane community. Due to the flatness of the area a lidar elevation survey was conducted and that information was used to develop a 2-dimensional flood model of the area. David showed the output of the model for the base case (without the

detention basin) and a scenario of the basin without excavation and a scenario with excavation. The model outputs show a decrease in water surface elevation at PG&E and Mills Lane with both detention basin scenarios and an expected greater decrease with the excavated basin scenario. However, the cost for the excavated detention basin scenario is over \$9 million compared to approximately \$300,000 for the un-excavated basin scenario. It was noted that most of this cost is for the excavation and disposal of excess soil and if some of that soil could be used in the vicinity of the basin, for perhaps subdivision development, those costs could decrease.

David stated the next step is to provide this information to Vacaville and PG&E to determine if they are willing to pursue a joint project with the Water Agency to utilize the basin. The basin may provide some benefits to the future Vacaville subdivision development in the area. Installation of the basin will also allow for some flood improvements upstream along Leisure Town Road where some residents have complained about flooding. The Water Agency is unable to work on those problems due to potential downstream impacts in the Mills Lane and PG&E area. If the detention basins were built that would provide additional capacity for upstream improvements.

Small Grant Projects: Staff referred to the summary included in the meeting agenda packet.

Medium Sized Projects: David Okita reviewed each of the medium sized projects. A new medium sized project is being developed to do a flood risk analysis for the City of Rio Vista from flows in the Yolo Bypass and the Sacramento River. More information will be provided as that study is being developed.

Flood Control Grant Opportunities: Staff reported on potential grant funding from economic stimulus sources however projects must be “shovel ready” and none of the Water Agency’s potential flood control projects meet this criteria. There will be future opportunities for projects associated with an Integrated Regional Water Management Plan which may provide funding for future Agency flood control projects.

Future Meeting Items and Meeting Dates: The agenda included potential meeting dates for 2009. The Committee will continue to schedule monthly meetings at the first half of the year with every other month meetings in the second half of the year. Meetings may be canceled if there are no agenda items.

Next Meeting: The next meeting of the Flood Control Advisory Committee is scheduled for Thursday, February 26, 2009 at 7:00 pm at the Solano Irrigation District.

Committee Members Attending:

Ron Campbell	Rolf Ohlemutz
Paul Lum	Terry Riddle
Jim Daniels	Steve Chappell
Laura Peters	

Committee Members Absent:

Charles Karnopp

Mike O'Connor

Mark Holdener

SCWA Staff:

David Okita

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FLOOD CONTROL – FY 2007/2008 SMALL GRANT PROJECTS

March 19, 2009

NAME	LOCATION	WATERSHED	TOTAL PROJECT COST			PAID OUT (SCWA)	STATUS
			Owner Cost-Share	SCWA Cost-Share	Total		
Louise Fong	Spurs Trail Fairfield, CA	Jameson Can. Ck.	\$7,754	\$31,014	\$38,768	\$25,000	COMPLETED: Construction began October 8 – 15. The project is complete.
James Lewis	2825 Gates Cny. Vacaville, CA	Alamo Ck.	N/A	N/A	N/A	\$0	PENDING: Site visit conducted. Landowner is submitting a design proposal for approval.
Bill McInnes	401 Via Palo Linda Fairfield, CA	Green Valley Ck.	N/A	N/A	N/A	\$0	DECLINED: The project does not directly deal with flooding. However, the SRCD helped landowner to contact a local engineer to help with this project.
Wally Pearce	4586 Campos Rd Winters, CA	McCune Ck.	N/A	N/A	N/A	\$0	PENDING: The SRCD worked with landowner; small grant app submitted.
Georgia Simpson	6956 Bucktown Ln Vacaville, CA	Ulati Ck.	N/A	N/A	N/A	\$0	PENDING: Not likely to submit an application, but this site is on a list of creek clean-out projects that SRCD is working on funding.
Khalil Jaber	1630 Jeni Ln Fairfield, CA	Green Valley Ck.	N/A	N/A	N/A	\$0	COMPLETED: The SRCD assisted landowner with beaver dam problem.
Richard Pelton	7407 Leisure Town Rd. Vacaville, CA	Gibson Canyon Ck.	N/A	N/A	N/A	\$0	PENDING: The SRCD is working on submitting this project.
Tracy Rush	101 Siebe Dr Fairfield, CA	Green Valley Ck.	\$3,276	\$14,270	\$17,546	\$0	APPROVED: The SRCD will begin construction to (a) clean out culverts, install rip-rap, and plant native vegetation along the channel.
Keith Thrower	5755 Fry Rd. Vacaville, CA 95687	Old Alamo Ck.	N/A	N/A	N/A	\$0	PENDING: SRCD and the City of Vacaville are working on options for this site
Charles and Hideko Lion	Locke Rd. Vacaville, CA	Sweeney Ck.	N/A	N/A	N/A	\$0	PENDING: SRCD is working with the landowner on submitting this project – predicted submittal before the April meeting.

Totals: \$11,030 \$45,284 \$56,314 \$25,000

Amount Remaining in Small Grant Budget: \$25,000

MEDIUM SIZED FLOOD PROJECT STATUS REPORT

March 26, 2009

This is a status report for each of the active medium sized flood projects currently being undertaken by the Solano County Water Agency.

PROJECT	STATUS SUMMARY
SWEENEY CREEK	<ul style="list-style-type: none">• SCWA Home Raising Program. SCWA processing applications – Six \$25,000 payments made in FY 2007-2008. One for FY 2008-2009- Continuing to accept applications- none pending
GIBSON CANYON CREEK	<ul style="list-style-type: none">• Examining feasibility of using abandoned Vacaville sewage ponds as detention basins.• Report shows feasible project – meeting with Stakeholders
LEDGEWOOD CREEK	<ul style="list-style-type: none">• Work completed of preliminary evaluation of open space / detention pond storage – not promising.• Project on hold for coordination with Suisun Creek Study• Key property is now for sale – meeting with landowner planned.
DIXON REGIONAL	<ul style="list-style-type: none">• Watershed Study completed August 2001• SCWA commits to \$200,000 for “Three Mile Connection” in 2004.• Dixon Watershed Authority requests funding for Eastside Drain Project in 2007 – application being developed.
SUISUN CREEK	<ul style="list-style-type: none">• Study underway for consideration of multi-use detention basin to be done in conjunction with North Connector Road Project.• Possible detention basin - property interests not interested – looking for other sites• In January Board approved contract amendment to analyze other potential location.• Study is waiting for County Lidar data – major delays
RIO VISTA	<ul style="list-style-type: none">• Request for Proposal issued for solicitation of consultant. Proposals are due 3/26.