

Board Meeting Agenda

Russ Baggerly, Director
Mary Bergen, Director
Bill Hicks, Director

Pete Kaiser, Director
James Word, Director

CASITAS MUNICIPAL WATER DISTRICT
May 23, 2012
3:00 P.M. – DISTRICT OFFICE

Right to be heard: Members of the public have a right to address the Board directly on any item of interest to the public which is within the subject matter jurisdiction of the Board. The request to be heard should be made immediately before the Board's consideration of the item. No action shall be taken on any item not appearing on the agenda unless the action is otherwise authorized by subdivision (b) of ¶54954.2 of the Government Code and except that members of a legislative body or its staff may briefly respond to statements made or questions posed by persons exercising their public testimony rights under section 54954.3 of the Government Code.

1. Public Comments
2. General Manager comments.
3. Board of Director comments.
4. Consent Agenda
 - a. Minutes of the May 7, 2012 Board Meeting.
 - b. Resolution requesting that the General District Election to be held on November 6, 2012 be consolidated with other elections called to be held on the same day and in the same territory.

RECOMMENDED ACTION: Adopt Consent Agenda

5. Bills
6. Committee/Manager Reports
 - a. Recreation Committee Minutes
7. Presentation of the Hydrology Report

8. Recommend granting a temporary easement to the Ventura County Watershed Protection District for the purpose of treatment/removal of non-native plants within Casitas' property in the Ventura River.

RECOMMENDED ACTION: Motion approving recommendation

9. Recommend authorization of Change Order No. 1 in the amount of \$29,993.55 for the Rincon 2(M) Pipeline Replacement, Station 65-76, Specification 11-346.

RECOMMENDED ACTION: Motion approving recommendation

10. Information Items:

- a. 2012 ACWA Spring Conference report from Director Word.
- b. 2012 ACWA Spring Conference report from Director Hicks.
- c. 2012 ACWA Spring Conference report from Director Baggerly.
- d. News Articles.

11. Closed Session

- a. (Govt. Code Sec. 54956.9 (c))
Conference with Legal Counsel – Anticipated Litigation (One case).

12. Adjournment

If you require special accommodations for attendance at or participation in this meeting, please notify our office 24 hours in advance at (805) 649-2251, ext.

113. (Govt. Code Section 54954.1 and 54954.2(a).

Minutes of the Casitas Municipal Water District
Board Meeting Held
May 7, 2012

A meeting of the Board of Directors was held May 7, 2012 at Casitas' Office, Oak View, California. Directors Baggerly, Word, Hicks, Bergen and Kaiser were present. Also present were Steve Wickstrum, General Manager, Rebekah Vieira, Clerk of the Board, and Attorney, John Mathews. There were four staff members and two members of the public in attendance. President Baggerly led the group in the flag salute.

1. Public Comments

None

2. General Manager comments.

Mr. Wickstrum mentioned Ethics Training being held on Monday, June 25th at 6:00 p.m. Let us know if you want to be registered for this training. You can also attend Ethics training at the ACWA Conference.

3. Board of Director comments.

None

4. Consent Agenda

ADOPTED

- a. Minutes of the April 23, 2012 Board Meeting.
- b. Recommend approval of a purchase order in the amount of \$20,270.25, which will be reimbursed by the Bureau of Reclamation, for the purchase of a Kubota Tractor Mower.

On the motion of Director Kaiser, seconded by Director Hicks and passed, the Consent Agenda was adopted.

5. Bills

APPROVED

Director Word questioned #11674 for a router. Park Services Manager Belser replied it is for about eight items including scanners and the router for the park to scan tickets. Director Word then asked about #11740 deferred comp flat fee. Ms. Vieira explained this is a flat dollar amount that employees have elected to contribute to the Nationwide Deferred Compensation plan as opposed to a percentage of pay.

Director Hicks asked about the credit cards at the District. Mr. Wickstrum explained there are two credit cards, one for me and one for Rebekah who receives requests from staff to purchase items.

Director Bergen questioned #11721 for inflatable tubes. Mr. Wickstrum explained this is a regular purchase to replace the float tubes for the Lazy River.

Director Kaiser questioned #11666 to AT&T. It looks like we pay on average about \$1,600 a month and how often do we check vendors? Ms. Collin responded that we just reviewed it and a lot of the charges are for internet service and our increased bandwidth.

On the motion of Director Word, seconded by Director Hicks and passed, the bills were approved.

- 6. Committee/Manager Reports APPROVED FOR FILING
 - a. Finance Committee Minutes

On the motion of Director Hicks, seconded by Director Kaiser and passed, the Committee/Manager Reports were approved for filing.

- 7. Resolution authorizing the execution of a five year agreement with Ojai Rotary-West for the Ojai Wine Festival. ADOPTED

The resolution was offered by Director Kaiser, seconded by Director Bergen and adopted by the following roll call vote:

AYES:	Directors:	Kaiser, Bergen, Hicks, Word, Baggerly
NOES:	Directors:	None
ABSENT:	Directors:	None

Resolution is numbered 12-18.

- 8. Resolution awarding a contract to Industrial Coating and Restoration Services in the amount of \$147,730 for the recoating of Casitas Dam intake track, work platforms and control house exterior metal work. ADOPTED

The resolution was offered by Director Word, seconded by Director Hicks and adopted by the following roll call vote:

AYES:	Directors:	Kaiser, Bergen, Hicks, Word, Baggerly
NOES:	Directors:	None
ABSENT:	Directors:	None

Resolution is numbered 12-19.

- 9. Ventura Local Agency Formation Commission Call for Nominations for Special District Alternate Member. No Action Taken
- 10. Budget Workshop

a. Review and discussion of the proposed Fiscal Year 2012-2013 Budget.

A budget review was held by the board with discussion including the need for a change in rates. While originally it was expected to have a 6% in commodity and 6% in service charges it is now proposed to be 3% this year and 3% next year with a 6% on service charge. The Safety of Dams payment is about \$3 million and would be paid over 25 years. The remaining M & I portion also needs to be paid. The sample Prop 218 hearing notice was provided to the Board. President Baggerly asked about the percentage for salary adjustments and Mr. Wickstrum explained that 4% was the maximum amount and those adjustments are tied to the April to April CPI numbers which are published in the middle of May.

Mr. Wickstrum explained the need for two additional carry over projects. Avenue 1 and 2 transformers need to be carried over due to delays from Edison and our desire not to shut those down during our peak season. We will also carry over one vehicle purchase that we didn't buy this year. It is too late to buy it and get it here this fiscal year. Director Hicks asked how many vehicles we have without AC. Mr. Wickstrum explained there are three in use by full time employees and more in use by part time employees at the park.

Director Bergen explained that the 6% increase is to cover the SOD payment while the 3% this year and 3% next year is for general inflation and the fact water sales are down.

Mr. Wickstrum informed the board that we have made changes to the budget that result in a half million dollars in savings from where the departments started initially in January.

Director Hicks asked how fast will we do campground B? Mr. Wickstrum explained it is not a fast project. It will take design work and review and conduits may need to be redone for 50 amps. Director Kaiser asked if efficiencies to the HVAC and lighting are reflected in the budget. Mr. Wickstrum replied they are not reflected in this budget but you may see a reduced number in purchased electricity after the changes are implemented.

President Baggerly asked if we are getting \$200,000 from the Bureau for the entrance gate. Ms. Belser stated we are planning on it with the matching money. The Bureau has applied for stimulus funds for the project. Concerns regarding the design were discussed briefly and will be discussed further at the Recreation Committee. One concern was having more space for boat inspections and traffic design flow for the entrance and exit.

Bert Rapp, representing Ventura River County Water District expressed a concern on rate structure. I would like you to look at resale rate in pumped zone. The resale rate is 70% higher than tier one residential rate in the same zone. It is higher than tier two. We take your water at \$1.40 and the next door neighbor

on your system is paying \$.83. Look at cost of service what does it cost you to deliver to one home versus delivery to us. I don't understand why serving water out of 4 inch or 6 inch costs more. Our district maintains the small pipes. Comparing your system we ask you to look at getting the prices to reflect cost of service. Have a resale rate more reflective of your retail rate and be reflective of service.

Mr. Wickstrum added there are meter charges and there is a bit of difference. We charge \$348 for 4 inch meter. For one area with 72 houses this relates to \$4.10 per meter. The customer on Casitas' side pays \$22 per month. Other things that go into the rate. We did that with the Raftelis study. We found at the time that our Residential customers were carrying a burden. There are some things you have to look at on what people are paying for water.

- b. Resolution setting the public hearing on the budget for June 27, 2012.

The resolution was offered by Director Word, seconded by Director Bergen and adopted by the following roll call vote:

AYES:	Directors:	Kaiser, Bergen, Hicks, Word, Baggerly
NOES:	Directors:	None
ABSENT:	Directors:	None

Resolution is numbered 12-20.

- c. Resolution setting the protest hearing for water rate adoption on June 27, 2012.

The resolution was offered by Director Bergen, seconded by Director Word and adopted by the following roll call vote:

AYES:	Directors:	Kaiser, Bergen, Hicks, Word, Baggerly
NOES:	Directors:	None
ABSENT:	Directors:	None

Resolution is numbered 12-21.

11. Information Items:

- a. Monthly Cost Analysis for operation of Robles, fisheries and fish passage.
- b. Lake Casitas Recreation Area Report for March, 2012.
- c. News Articles.
- d. Investment Report.

President Baggerly moved the meeting to closed session at 3:44 p.m.

12. Closed Session

- a. (Govt. Code Sec. 54956.9 (a))
Conference with Legal Counsel – Existing Litigation
Name of Case: Stanley Revell vs. Roger Herbison, Lake Casitas
Marina, Inc, and Casitas Municipal Water District
Case No. 56-2012-00415946-CU-PO-VTA
- b. (Govt. Code Sec. 54956.9 (c))
Conference with Legal Counsel – Anticipated Litigation (One case).

President Baggerly moved the meeting back to open session at 4:19 p.m. and stated there was nothing to report and no action was taken in closed session.

13. Adjournment

President Baggerly adjourned the meeting at 4:19 p.m.

Bill Hicks, Secretary

CASITAS MUNICIPAL WATER DISTRICT

RESOLUTION REQUESTING THAT THE GENERAL DISTRICT ELECTION TO BE HELD ON NOVEMBER 6, 2012, BE CONSOLIDATED WITH OTHER ELECTIONS CALLED TO BE HELD ON THE SAME DAY AND IN THE SAME TERRITORY

WHEREAS, an election shall be conducted for the Casitas Municipal Water District pursuant to the Uniform District Election Law commencing with Section 10500 of the Elections Code on November 6, 2012, for the purpose of electing Directors; and

WHEREAS, the Board of Directors wishes the Elections Division of the Office of the county Clerk to conduct said election; and

WHEREAS, pursuant to Section 10400 et seq. of the Elections code, said elections may be consolidated with other elections to be held on the same day; and

WHEREAS, the Board of Directors request that this District's General Elections be consolidated with any other election which may be held on the same date and involving the same territory.

NOW THEREFORE, BE IT RESOLVED by the Board of Directors of Casitas Municipal Water District that the general District Election of this District is to be held on November 6, 2012, and consolidated with any other elections held on the same date and involving all or a portion of the territory of the District pursuant to Section 10400 et seq. of the Elections Code; and

That, pursuant to Election Code Section 10002, the District shall reimburse the County in full for the services performed upon presentation of a bill from the County to the District.

ADOPTED this 23rd day of May, 2012

President,
Casitas Municipal Water District

ATTEST:

Secretary,
Casitas Municipal Water District



County of Ventura
COUNTY CLERK AND RECORDER

MARK A. LUNN
County Clerk and Recorder
Registrar of Voters

May 8, 2012

JAMES B. BECKER
Assistant County Clerk and Recorder

TRACY D. SAUCEDO
Assistant Registrar of Voters

Mr. Steve Wickstrom, General Manager
Casitas Municipal Water District
1055 Ventura Avenue
Oak View, CA 93022

Elections Division
800 S. Victoria Avenue
Ventura, CA 93009-1200
Phone: (805) 654-2664
Fax: (805) 648-9200

Re: District General Election of November 6, 2012

Dear Mr. Wickstrom:

The date for the election of directors for your District is November 6, 2012. Enclosed is an abbreviated calendar of events for your information and action as applicable.

The following documents are to be returned by Monday, July 2, 2012:

1. Resolution requesting consolidation
2. "Notice of Elective Offices to be Filled" and whether the candidate or the district will bear the cost of the candidate statement (form enclosed)
3. Criteria for determining tie votes by lot (E.C. §15651)
4. A copy of your district's Conflict of Interest Code
5. Completed Request for Elections Services form
6. A map showing the boundaries of the district, and of the divisions, if any.

Our office is preparing the nomination packets for your district and request that you designate a specific person to come to our office to pick up the nomination packets and receive instructions sometime during the first 2 weeks in July. Please call our office to schedule pick up for the nomination packets.

The nomination period will open on Monday, July 16, 2012, and will close on Friday, August 10, 2012.

If you have any questions or require additional packets, please call our office at 654-2664.

Sincerely,

TRACY D. SAUCEDO
Assistant Registrar of Voters

Enclosures
TDS/pj

MARK A. LUNN
Clerk Recorder/Registrar of Voters
Elections Division

**NOTICE TO COUNTY CLERK OF ELECTIVE OFFICES TO BE FILLED
IN THE**

(Name of District)

You are hereby notified that a Presidential General Election will be held in the above District on November 6, 2012. District records indicate that the elective offices held by the persons listed below are to be filled:

<u>Name (Director/Council Member/Library Trustee)*</u>	<u>Title & Division (if any)</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

The _____ is to pay for the printing, handling, translating, and mailing
District or Candidate**

of the candidate's statements pursuant to Section 13307 of the Elections Code.

Dated: _____

(SEAL)

District Secretary

* Please note if any appointments were made to fill vacancies and indicate expiration of terms and prior directors' names.

** Indicate District or Candidate depending upon which entity is to be billed for the cost of printing and handling the candidate's statements.

ITEM #6 CANDIDATE CERTIFICATES AND OATHS OF OFFICE

_____ A. County elections official is requested to furnish Certificates and Oaths of Office.

- _____ 1. ___ Blank forms only - number requested ____.
- _____ 2. ___ Forms filled in appropriately - number requested ____.

_____ B. District will furnish Certificates and Oaths of Office.

ITEM #7 ELECTION DAY VOTER INFORMATION

_____ CD of registered voters and a list of polling places.

ITEM #8 ELECTION NIGHT RESULTS

_____ On-line results

_____ FAX to _____
Fax number to be used

Listed below are additional services provided only by the County for each election:

SPANISH TRANSLATIONS - County elections official will arrange for all translations pursuant to Elections Code Section 13307.

PRINTING OF SAMPLE BALLOTS - County elections official will arrange for all printing of Candidates' Statements and arguments/analyses in the Sample Ballot for each election.

VOTE BY MAIL BALLOTS - County elections official will handle all Vote By Mail ballots, including the checking of applications and ballot mailing. Applications and envelopes will be provided to City Clerks.

POLLING PLACES/PRECINCTS ASSIGNMENTS - County elections official will determine the number of polling places.

The undersigned requests the above election services to be performed by the County Elections Official and pursuant to Elections Code Section 10002, agrees to reimburse the County in full for services requested upon presentation of a bill.

Name of School District
or Special District: _____

Signature & Title: _____

Date: _____

MARK A. LUNN
Clerk Recorder/Registrar of Voters
County of Ventura Elections Division
Calendar for the Presidential General Election
November 6, 2012

- May 18**
172 days Last day to file petitions regarding measures and/or initiatives.
- July 2**
127 days Last day to request consolidation by delivering resolution for cities, schools and special districts for offices to be filled, including ballot question text for initiative measures. (E.C. §10522)
- July 9**
120 days Publish Notice of Election. (E.C. §§10417, 12101, 12112)
- July 16**
113 days Nomination period begins. (E.C. §§10220, 10510)
- July 23**
106 days Ballot title and summary, tax rate statement, and full text of measure due to County Elections Office. (E.C. §9160)
- July 23**
106 days Newspaper publication of Notice of Election and Synopsis of Measures with dates of Arguments/Rebuttals. (Public examination opens for 10 days immediately upon receipt of documents.) (E.C. §§9163, 12111, G.C. §6061)
- July 24**
105 days Measures to County Counsel (or City Attorney) to prepare Impartial Analysis. (E.C. §§9160, 9280)
- July 24 – August 2**
105-96 days Arguments filing period. Public exam August 3 through August 12. (E.C. §§9295, 9380, 9600)
- August 3 – August 12**
95-86 days Rebuttals filing period. Public exam August 13 through August 22. (E.C. §§9504, 9509)
- August 10**
88 days Last day of nomination period. (E.C. §§10220,10510)
- August 11 – August 15**
87-83 days Extension of nomination period. (E.C. §10225)
- August 16**
82 days Random alpha drawing for names appearing on the ballot. (E.C. §13112(F))
- August 24**
74 days Sample Ballot pages to printers.

September 10 – October 23

57-14 days Write-in candidate filing period. (E.C. §§8600, 8601)

September 27 – October 16

40-21 days Mail Sample Ballots to voters. (E.C. §13303)

October 8 – October 30

29-7 days Vote By Mail ballots are available. (E.C. §3001)

October 22

15 days Last day to register to vote. (E.C. §2107)

November 6

Election Day. Polls open 7 a.m. to 8:00 p.m.

November 8

2 days Official Canvass begins. (E.C. §§10547, 15301)

December 4

28 days Completion of Official Canvass. (E.C. §15372)

NOTE: Resolutions requesting consolidation for measures received after July 2 will have shortened and/or no Argument/Rebuttal periods.

CASITAS MUNICIPAL WATER DISTRICT
Payable Fund Check Authorization
Checks Dated 5/4/12-5/16/12
Presented to the Board of Directors For Approval May 23, 2012

Check	Payee			Description	Amount
000331	Payables Fund Account	#	9759651478	Accounts Payable Batch 050912	\$252,917.75
000332	Payables Fund Account	#	9759651478	Accounts Payable Batch 051612	\$296,192.03
					\$549,109.78
000333	Payroll Fund Account	#	9469730919	Estimated Payroll 5/31/12	\$140,000.00
					\$140,000.00
				Total	\$689,109.78

Publication of check register is in compliance with Section 53065.6 of the Government Code which requires the District to disclose reimbursements to employees and/or directors.

The above numbered checks, 000331-000333 have been duly audited is hereby certified as correct.


 Rebekah Vieira, Clerk of the Board

 Signature

 Signature

 Signature

A/P Fund

Publication of check register is in compliance with Section 53065.6 of the Government Code which requires the District to disclose reimbursements to employees and/or directors.

000331	A/P Checks:	011746-011761
	A/P Draft to P.E.R.S.	
	A/P Draft to State of CA	
	A/P Draft to I.R.S.	
	Void:	

000332	A/P Checks:	011762-011859
	A/P Draft to P.E.R.S.	051623
	A/P Draft to State of CA	051622
	A/P Draft to I.R.S.	051621
	Void:	011820-011821

The above numbered checks, have been duly audited are hereby certified as correct.



Rebekah Vieira, Clerk of the Board

Signature

Signature

Signature

CERTIFICATION

Payroll disbursements for the pay period ending 05/12/12
Pay Date of 05/17/12
have been duly audited and are
hereby certified as correct.

Signed: Rebekah Vieira
Rebekah Vieira

Signed: _____
Signature

Signed: _____
Signature

Signed: _____
Signature

5/16/2012 10:50 AM
 VENDOR SET: 01 Casitas Municipal Water D
 BANK: * ALL BANKS
 DATE RANGE: 5/04/2012 THRU 5/16/2012

A/P HISTORY CHECK REPORT

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
C-CHECK	VOID CHECK	V	5/16/2012			011820		
C-CHECK	VOID CHECK	V	5/16/2012			011821		

* * T O T A L S * *

	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
REGULAR CHECKS:	0	0.00	0.00	0.00
HAND CHECKS:	0	0.00	0.00	0.00
DRAFTS:	0	0.00	0.00	0.00
EFT:	0	0.00	0.00	0.00
NON CHECKS:	0	0.00	0.00	0.00
VOID CHECKS:	2	VOID DEBITS 0.00		
		VOID CREDITS 0.00		
		0.00	0.00	

TOTAL ERRORS: 0

VENDOR SET: 01	BANK: *	TOTALS:	2	0.00	0.00	0.00
BANK: *	TOTALS:		2	0.00	0.00	0.00

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
01985	AFLAC/FLEX ONE							
I-050412	Reimburse Medical 2012	R	5/04/2012	167.92		011746		167.92
01985	AFLAC/FLEX ONE							
I-050512	Reimburse Medical 2012	R	5/07/2012	1,300.00		011747		1,300.00
00004	ACWA HEALTH BENEFITS AUTHORITY							
I-May 2012	May 12 Health Insurance	R	5/09/2012	106,582.48		011748		106,582.48
00029	AMERICAN TOWER CORP							
I-1235793	Tower Rent, Red Mtn & Rincon Pk	R	5/09/2012	1,485.77		011749		1,485.77
01616	FRED BRENEMAN							
I-050712	4/29/12-5/12/12	R	5/09/2012	391.00		011750		391.00
01055	Neil Cole							
I-Apr 12	Reimburse Expenses 4/12	R	5/09/2012	445.54		011751		445.54
00216	THE GAS COMPANY							
I-043012	Acct#00801443003	R	5/09/2012	676.83		011752		676.83
01594	HIGHWAY TECHNOLOGIES, INC.							
I-65100101001	Bolts for Signs, LCRA	R	5/09/2012	38.10		011753		
I-65100263001	White Foil Crosswalk Tape LCRA	R	5/09/2012	95.68		011753		133.78
00126	CAROLE ILES							
I-Apr 12	Reimburse Mileage 4/12	R	5/09/2012	36.91		011754		36.91
00170	OXNARD AUTO ELECTRIC COMPANY							
I-115638	Generator, Upper Ojai PP	R	5/09/2012	1,013.51		011755		1,013.51
00188	PETTY CASH							
I-050812	Replenish Petty Cash	R	5/09/2012	357.58		011756		357.58
00215	SOUTHERN CALIFORNIA EDISON							
I-050212	Acct#2210502480	R	5/09/2012	55,538.36		011757		
I-050212A	Acct#2210505426	R	5/09/2012	2,874.15		011757		
I-050212B	Acct#2237789169	R	5/09/2012	21.26		011757		
I-050212C	Acct#2269631768	R	5/09/2012	19.37		011757		58,453.14
00050	STATE OF CALIFORNIA - EDD							
I-L0021704832	Unemployment Benefit Chrgs	R	5/09/2012	864.00		011758		864.00

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00234	UNITED WATER CONSERVATION State Water Plan Payment	R	5/09/2012	26,404.75		011759		26,404.75
00949	CITY OF VENTURA State Water Plan Payment	R	5/09/2012	52,809.50		011760		52,809.50
10096	BRUE'S BODY SHOP Repair/Replace Rear Bumper Eq#42, Pipeline Truck	R	5/09/2012	1,795.04		011761		1,795.04
10047	A-1 WATER Potable Water during Shutdown	R	5/16/2012	1,000.00		011762		1,000.00
01441	ADVANTAGE TELECOM, INC Monthly Phone Charges, LCRA	R	5/16/2012	677.46		011763		677.46
01707	AIRGAS SPECIALTY PRODUCTS Ammonium Hydroxide, TP	R	5/16/2012	3,050.28		011764		3,050.28
00010	AIRGAS USA LLC Safety Glasses, Pipelines	R	5/16/2012	8.34		011765		
	I-9005718305 Cutoff Wheel,Safety Glasses,PL	R	5/16/2012	44.40		011765		
	I-9902302558 Cylinder Rental, Pipelines	R	5/16/2012	46.75		011765		99.49
00836	AMERICAN RED CROSS CPR/AED/First Aid Certs	R	5/16/2012	243.00		011766		243.00
00417	APPLIED INDUSTRIAL TECHNOLOGY Lubricant for Treatment Plant	R	5/16/2012	52.69		011767		52.69
00014	AQUA-FLO SUPPLY Regulator for Damtender	R	5/16/2012	99.97		011768		
	I-313252 Replace Casitas 1 Vacuum Valve	R	5/16/2012	47.62		011768		
	I-313364 Ball Valves for UO Pump Plant	R	5/16/2012	17.65		011768		
	I-313798 Plug 6" Pipe Vent, Pipeline	R	5/16/2012	26.82		011768		
	I-316403 Irrigation Repair Material	R	5/16/2012	67.93		011768		259.99
02179	Art Street Interactive Res Software Hosting, Maint	R	5/16/2012	542.15		011769		542.15
01543	ASTRA INDUSTRIAL SERVICES, INC Backflow Repair Kit, Pipeline	R	5/16/2012	66.29		011770		66.29

VENDOR SET: 01 Casitas Municipal Water D
 BANK: AP ACCOUNTS PAYABLE
 DATE RANGE: 5/04/2012 THRU 5/16/2012

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00018	AT & T MOBILITY I-829434088X05142012 PT Wildlife Biol Monthly Cell	R	5/16/2012	8.48		011771		8.48
00020	AVENUE HARDWARE, INC I-46635 Claps for Oakview Hoops, PL	R	5/16/2012	25.58		011772		25.58
00021	AWA OF VENTURA COUNTY I-051412 Waterwise Breakfast 5/17/12 I-055807 Workshop 4/19/12	R R	5/16/2012 5/16/2012	25.00 260.00		011773 011773		285.00
01062	BP Medical Supplies C-B777013A Accrue Use Tax C-B796067MA Accrue Use Tax C-C001984 Items not Received, Inv#B777013 D-B777013A Accrue Use Tax D-B796067MA Accrue Use Tax I-B777013 First Aid Supplies, LCRA I-B796067M AED Pads for WP & Training	R R R R R R R	5/16/2012 5/16/2012 5/16/2012 5/16/2012 5/16/2012 5/16/2012 5/16/2012	15.92CR 15.38CR 8.00CR 15.92 15.38 219.63 212.10		011774 011774 011774 011774 011774 011774 011774		423.73
01023	CARQUEST AUTO PARTS I-7294338474 Wiper Blades for O&M CS	R	5/16/2012	18.70		011775		18.70
00475	CASA DE LAGO I-463002 Meal for E & M Crew Working OT	R	5/16/2012	36.36		011776		36.36
00055	CASITAS BOAT RENTALS I-Apr 12 Reimburse Cafe Pass Revenue	R	5/16/2012	2,903.87		011777		2,903.87
00511	Centers for Family Health I-13610 Drug Tests	R	5/16/2012	2,700.00		011778		2,700.00
00057	CLEAN SOURCE I-267052300 Janitorial Supplies, LCRA I-267052301 Janitorial Supplies, LCRA	R R	5/16/2012 5/16/2012	3,181.61 174.29		011779 011779		3,355.90
00062	CONSOLIDATED ELECTRICAL I-9009657294 Elec Parts, Aeration Compressor	R	5/16/2012	50.21		011780		50.21
00331	COORDINATED WIRE ROPE I-73184 Cables for Quagga Tagging	R	5/16/2012	3,500.00		011781		3,500.00
00719	CORELOGIC INFORMATION SOLUTION I-80492357 Realquest Subscription	R	5/16/2012	125.00		011782		125.00

VENDOR SET: 01 Casitas Municipal Water D
 BANK: AP ACCOUNTS PAYABLE
 DATE RANGE: 5/04/2012 THRU 5/16/2012

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
01483	CORVEL CORPORATION							
I-3004334	Admin Fees May, June, July 2012	R	5/16/2012	750.00		011783		750.00
01764	CSG Systems, Inc.							
I-78935	UB Mailing 3/28/12	R	5/16/2012	1,141.37		011784		1,141.37
02142	Cummings-Allison Corp.							
I-1164192	Cash Counter Maint Contract	R	5/16/2012	350.02		011785		350.02
	June 2, 2012- June 1, 2013							
00296	CUMMINS CAL PACIFIC, LLC							
I-00643023	Annual Generator Svc, TP	R	5/16/2012	1,266.01		011786		
I-00643151	Repair Coolant Leak, TP	R	5/16/2012	528.74		011786		1,794.75
02034	D.K. Mechanical							
I-2246	Service Kubota Mower, Eq#277	R	5/16/2012	209.70		011787		
I-2247	Service Dump Truck #68, Maint	R	5/16/2012	549.03		011787		
I-2248	Service JD Tractor, Eq#112	R	5/16/2012	344.39		011787		1,103.12
00081	DELTA LIQUID ENERGY							
I-23208624	Propane for Showers at LCRA	R	5/16/2012	148.74		011788		148.74
02353	Dianne Dobson							
I-051112	Camping Fee Refund	R	5/16/2012	150.00		011789		150.00
00085	DON'S INDUSTRIAL SUPPLIES, INC							
I-348619	Steel Plugs, Tape for Pipeline	R	5/16/2012	13.31		011790		13.31
01595	DOUBLE R TOWING							
I-3677	Tow #28, Maint Truck to Rock's	R	5/16/2012	50.00		011791		50.00
00086	E.J. Harrison & Sons Inc							
I-821	Acct#500546088 Trash Pickup	R	5/16/2012	840.00		011792		840.00
00095	FAMCON PIPE & SUPPLY							
I-141038	Replace Blow Off Mussel Shoals	R	5/16/2012	148.01		011793		148.01
10120	CHARLES Z. FEDAK & COMPANY							
I-043012	Audit Services FY 11/12	R	5/16/2012	9,952.00		011794		9,952.00
00099	FGL ENVIRONMENTAL							
I-203280A	Wet Chemistry-NO3	R	5/16/2012	61.00		011795		
I-203769A	Wet Chemistry-NO3	R	5/16/2012	43.00		011795		
I-203770A	Metals, Total-Mn	R	5/16/2012	45.00		011795		
I-204042A	Wet Chemistry-NO3	R	5/16/2012	43.00		011795		192.00

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00096	FIREMASTER - LOS ANGELES REG.							
I-121376168	Svc Fire Extinguishers, LCRA	R	5/16/2012	135.13		011796		
I-121376169	Svc Fire Extinguishers, LCRA	R	5/16/2012	235.95		011796		371.08
02319	Flow Science Incorporated							
I-0006606	LCRA Aeration System Study	R	5/16/2012	2,825.00		011797		
I-0006657	LCRA Aeration System Study	R	5/16/2012	12,745.50		011797		15,570.50
00104	FRED'S TIRE MAN							
I-57909	Tires for Eq#22, E&M Truck	R	5/16/2012	879.89		011798		
I-58003	Flat Repair, Eq#39, LCRA Maint	R	5/16/2012	15.00		011798		
I-58197	Flat Repair, Eq#4, Lab Truck	R	5/16/2012	15.00		011798		
I-58271	Tire for Club Car #13, Maint	R	5/16/2012	42.54		011798		952.43
01280	FRY'S ELECTRONICS, INC.							
I-4464925	Pliers for IT, Thumb Drives PL	R	5/16/2012	39.82		011799		
I-4487640	Memory Replacement, IT Dept	R	5/16/2012	43.09		011799		
I-4487645	Computer Supplies for WP, PL	R	5/16/2012	75.20		011799		
I-4487649	Air Dusters, DVD Rom Drive IT	R	5/16/2012	40.38		011799		
I-4487716	Labels for Prop 218 Mailing	R	5/16/2012	29.06		011799		227.55
00107	FULLER PAINT & GLASS							
I-86813	Paint, Treatment Plant Piping	R	5/16/2012	118.49		011800		118.49
02158	Google, Inc.							
I-1818979	Additional Usage, IT Dept	R	5/16/2012	2.17		011801		2.17
00115	GRAINGER, INC							
I-9814720216	Safety Helmet for Dist Maint	R	5/16/2012	74.00		011802		
I-9818392954	Battery Packs, Safety Helmet	R	5/16/2012	622.17		011802		
I-9820576230	Marking Chalk for District Maintenance Quick-Sorb for District Maint	R	5/16/2012	30.78		011802		726.95
00121	HACH COMPANY							
I-7722611	Chloramine Reagents, Lab	R	5/16/2012	651.05		011803		651.05
00369	HARRINGTON INDUSTRIAL PLASTICS							
I-01372914	Calibration Solutions for WQ	R	5/16/2012	110.37		011804		110.37
00122	BILL HICKS							
I-Mar & Apr 12	Reimburse Mileage 3/12 & 4/12	R	5/16/2012	260.30		011805		260.30
00127	INDUSTRIAL BOLT & SUPPLY							
I-00126980	Bolts for Upper Ojai PP	R	5/16/2012	57.92		011806		57.92

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
02182	Industrial Coating and Restora Lazy River Repairs & Coating	R	5/16/2012	71,533.10		011807		71,533.10
02336	Infinite Peripherals Corp. Charging Station, WP Scanners	R	5/16/2012	330.93		011808		330.93
00872	Irrisoft, Inc. Weather Station Services	R	5/16/2012	79.00		011809		79.00
00129	J.L. WINGERT CO WP Chemical Pump Parts	R	5/16/2012	1,143.55		011810		1,143.55
00131	JCI JONES CHEMICALS, INC Chlorine for TP, CM#545313	R	5/16/2012	1,770.00		011811		1,770.00
02338	JLCS, Inc Movie Screen Repair, LCRA	R	5/16/2012	285.00		011812		285.00
02345	John Crane Inc. Repair Mechanical Seal, PP	R	5/16/2012	1,501.29		011813		1,501.29
00360	LESLIE'S POOL SUPPLIES, INC Credit Memo for 142290432	R	5/16/2012	100.20CR		011814		
	I-142290432 Pool Chemicals for Waterpark	R	5/16/2012	105.05		011814		
	I-142290458 Pool Chemicals for Waterpark	R	5/16/2012	116.54		011814		121.39
00328	LIGHTNING RIDGE Lifeguard Shirts	R	5/16/2012	1,312.01		011815		1,312.01
02354	Myrna Malilay Camping Fee Refund	R	5/16/2012	70.00		011816		70.00
00329	MCMASTER-CARR SUPPLY CO. Vents for Pump Plants	R	5/16/2012	20.07		011817		20.07
01263	MEG-ALERT, INC Repair/Upgrade MegAlert, E&M	R	5/16/2012	1,530.00		011818		1,530.00
00151	MEINERS OAKS ACE HARDWARE Items Returned, Inv#491823	R	5/16/2012	1.72CR		011819		
	C-492070 Items Returned Inv#491828	R	5/16/2012	2.99CR		011819		
	I-490073 Replace Sump Pump, Dam	R	5/16/2012	128.67		011819		
	I-490278 Waterpark Hardware	R	5/16/2012	124.38		011819		
	I-490361 Breaker for B-63 Camp	R	5/16/2012	9.75		011819		
	I-491289 Bolts, OV Reservoir Vent Hood	R	5/16/2012	17.70		011819		
	I-491342 Shovels for Patrol Trucks	R	5/16/2012	35.91		011819		
	I-491450 Hardware for Sample Points	R	5/16/2012	68.69		011819		
	I-491486 Material to Fix Damaged Sign	R	5/16/2012	45.07		011819		

VENDOR SET: 01 Casitas Municipal Water D
 BANK: AP ACCOUNTS PAYABLE
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VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
I-491505	Fan for Treatment Plant	R	5/16/2012	26.80		011819		
I-491555	Marking Paint for LCRA Maint	R	5/16/2012	12.30		011819		
I-491648	Wire for Coyote Grinder, LCRA	R	5/16/2012	36.22		011819		
I-491825	Clips for Wires in J Box, LCRA	R	5/16/2012	7.59		011819		
I-491828	Spray Paint, Stencils for Signs	R	5/16/2012	17.90		011819		
I-491870	Materials for Waterpark	R	5/16/2012	65.68		011819		
I-492087	Oil for UOPP Pipework	R	5/16/2012	4.79		011819		
I-492123	Foam for Conduit @ Coyote	R	5/16/2012	9.85		011819		
I-492358	Cleaning Supplies for LCRA	R	5/16/2012	27.28		011819		
I-492455	WD40, Primer for Dist Maint	R	5/16/2012	14.52		011819		
I-492544	Lopper for LCRA Maint	R	5/16/2012	40.68		011819		
I-492756	Shovel & Oil for Pipelines	R	5/16/2012	43.08		011819		
I-492770	Bolts & Blades, Maint & WP	R	5/16/2012	25.48		011819		
I-492853	Cutter for O&M Cust Svc	R	5/16/2012	17.90		011819		
I-492967	Parts for Sample Points, PL	R	5/16/2012	40.96		011819		
I-493073	Tiedown, Utility Strap for E&M	R	5/16/2012	28.08		011819		
I-493139	Bolts & Screws, Sample Point	R	5/16/2012	7.61		011819		
I-493149	Padlocks for Lockers, Dst Maint	R	5/16/2012	11.41		011819		
I-493182	Paint Supplies, O&M CS	R	5/16/2012	7.21		011819		
I-493183	Paint Supplies for Pipelines	R	5/16/2012	23.51		011819		
I-493289	Hardware, Canal Road Bridge	R	5/16/2012	32.69		011819		
I-493647	Hardware for Pipelines	R	5/16/2012	14.37		011819		941.37
02350	Fred Milani							
I-050912	Camping Fee Refund	R	5/16/2012	55.00		011822		55.00
00144	BOB MONNIER							
I-Apr 12	Reimburse Mileage 4/12	R	5/16/2012	116.33		011823		116.33
00163	OFFICE DEPOT							
I-606144031001	Office Supplies	R	5/16/2012	92.48		011824		92.48
00160	OILFIELD ELECTRIC CO, INC							
I-6528	UOPP Electrical Upgrades	R	5/16/2012	65,259.01		011825		65,259.01
01570	Ojai Auto Supply LLC							
I-241043	Battery for Eq#140, Generator	R	5/16/2012	113.57		011826		
I-241509	Filter for Diesel Pump	R	5/16/2012	12.86		011826		126.43
00912	OJAI BUSINESS CENTER, INC							
I-7492	Shipping for Fish Counter	R	5/16/2012	426.35		011827		426.35
00165	OJAI LUMBER CO, INC							
I-2431288	Foam Sealant for Pump Plant	R	5/16/2012	26.98		011828		26.98

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00602	OJAI TRUE VALUE							
I-41782	Lugs for Cart Battery Cables	R	5/16/2012	15.66		011829		15.66
00169	OJAI VALLEY SANITARY DISTRICT							
I-14416	Cust#20594 Sewer Service	R	5/16/2012	150.63		011830		
I-14498	Cust#52921 Sewer Service	R	5/16/2012	50.21		011830		200.84
02351	Charles Patsch							
I-050912	Camping Fee Refund	R	5/16/2012	55.00		011831		55.00
10072	PERMACOLOR, INC							
I-274631	Coat Pipe for UOPP Unit#1	R	5/16/2012	371.09		011832		
I-274649	Powder Coat Vent Lid, PL	R	5/16/2012	485.33		011832		856.42
00627	PORT SUPPLY							
I-4155	Boat Cleaning Supplies, LCRA	R	5/16/2012	65.34		011833		
I-4286	Boat Cleaning Supplies, LCRA	R	5/16/2012	25.01		011833		90.35
01439	PRECISION POWER EQUIPMENT							
I-1740	Leaf Blower Service & Filters	R	5/16/2012	82.18		011834		
I-1748	Repair Blower for LCRA	R	5/16/2012	65.00		011834		
I-1750	Weed Wacker Line, LCRA Maint	R	5/16/2012	39.68		011834		186.86
02349	Professional Laser Care, Inc.							
I-9782	Professional Laser Care, Inc.	R	5/16/2012	70.00		011835		70.00
10042	PSR ENVIRONMENTAL SERVICE, INC							
I-5450	Repair Fuel Tank Covers, LCRA	R	5/16/2012	275.87		011836		275.87
02317	Remote Medical International I							
C-INV15038A	Accrue Use Tax	R	5/16/2012	5.73CR		011837		
D-INV15038A	Accrue Use Tax	R	5/16/2012	5.73		011837		
I-INV15038	Back Board Straps, Waterpark	R	5/16/2012	88.13		011837		88.13
00313	ROCK LONG'S AUTOMOTIVE							
I-5270	Oil Change & Starter, #28, Maint	R	5/16/2012	382.32		011838		
I-5286	Repair Loose Wipers, #32, Admin	R	5/16/2012	66.00		011838		448.32
02314	Rogue Jet Boatworks, Inc.							
I-13402	Hitch & Ball for Boat	R	5/16/2012	522.00		011839		
I-13403	Repair Trailer Tire, New Boat	R	5/16/2012	137.00		011839		659.00
00310	Ron Turley Associates, Inc.							
I-37215	Annual Maintenance Agreement	R	5/16/2012	750.00		011840		750.00

July 1, 2012-June 30, 2013

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
01109	SALVADOR LOERA TRANSPORTATION							
I-12485	Fill Sand for Pipelines	R	5/16/2012	343.00		011841		
I-12487	Base for LCRA Maintenance	R	5/16/2012	525.00		011841		
I-12489	Road Base for Dist Maint	R	5/16/2012	525.00		011841		
I-12685	Road Base for TP Roadways	R	5/16/2012	525.00		011841		1,918.00
01107	SAWYER PETROLEUM							
I-S81375	Oil for Pump Plants	R	5/16/2012	341.52		011842		341.52
02344	ServiceMaster Building Mainten							
I-10034	Janitorial Services, Dist Ofc	R	5/16/2012	1,032.00		011843		1,032.00
00725	SMART & FINAL							
I-160334	Breakroom Supplies, Dist Ofc	R	5/16/2012	131.89		011844		131.89
02003	Sostre & Associates							
I-1910	CMS Fee & Website Hosting	R	5/16/2012	249.00		011845		249.00
00225	UNDERGROUND SERVICE ALERT							
I-420120093	New Ticket Charges	R	5/16/2012	133.50		011846		133.50
01569	ERNEST UNDERHAY							
I-050212	2 Astronomy Nights at LCRA	R	5/16/2012	260.00		011847		260.00
00250	COUNTY OF VENTURA							
I-IN0100339	Health Permit for Pump Truck	R	5/16/2012	229.00		011848		229.00
00254	VENTURA LOCKSMITHS							
I-10439	Keys made for Pipelines	R	5/16/2012	50.30		011849		50.30
00257	VENTURA RIVER COUNTY WATER							
I-043012	Acct#03-50100A	R	5/16/2012	14.70		011850		
I-043012A	Acct#05-37500A	R	5/16/2012	35.33		011850		50.03
09955	VENTURA WHOLESALE ELECTRIC							
I-163595	Grounding Materials for PP	R	5/16/2012	965.22		011851		
I-163995	Elec Parts for Waterpark	R	5/16/2012	17.70		011851		982.92
02352	Jennifer Wayne							
I-050912	Camping Fee Refund	R	5/16/2012	110.00		011852		110.00
00271	WEST COAST AIR CONDITIONING							
I-S39218	Service Heater at LCRA	R	5/16/2012	351.50		011853		351.50

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00277	ZEE MEDICAL SERVICE CO.							
I-34610648	First Aid Supply Restock	R	5/16/2012	378.96		011854		
I-34610657	Medical Supplies for Lab	R	5/16/2012	36.58		011854		415.54
00124	ICMA RETIREMENT TRUST - 457							
I-CUI201205150560	457 CATCH UP	R	5/16/2012	423.08		011855		
I-DCI201205150560	DEFERRED COMP FLAT	R	5/16/2012	2,692.30		011855		
I-DI%201205150560	DEFERRED COMP PERCENT	R	5/16/2012	299.36		011855		3,414.74
01960	Moringa Community							
I-MOR201205150560	PAYROLL CONTRIBUTIONS	R	5/16/2012	16.75		011856		16.75
00985	NATIONWIDE RETIREMENT SOLUTION							
I-CUN201205150560	457 CATCH UP	R	5/16/2012	423.06		011857		
I-DCN201205150560	DEFERRED COMP FLAT	R	5/16/2012	4,027.68		011857		4,450.74
00180	S.E.I.U. - LOCAL 721							
I-UND201205150560	UNION DUES	R	5/16/2012	610.50		011858		610.50
00230	UNITED WAY							
I-UWY201205150560	PAYROLL CONTRIBUTIONS	R	5/16/2012	45.00		011859		45.00
00128	INTERNAL REVENUE SERVICE							
I-T1 201205150560	Federal Withholding	D	5/16/2012	21,822.82		051621		
I-T3 201205150560	FICA Withholding	D	5/16/2012	19,590.24		051621		
I-T4 201205150560	Medicare Withholding	D	5/16/2012	5,462.68		051621		46,875.74
00049	STATE OF CALIFORNIA							
I-T2 201205150560	State Withholding	D	5/16/2012	7,046.75		051622		7,046.75
00187	CALPERS							
I-PER201205150560	PERS EMPLOYEE PORTION	D	5/16/2012	9,997.02		051623		
I-PRR201205150560	PERS EMPLOYER PORTION	D	5/16/2012	11,936.54		051623		21,933.56

* * T O T A L S * *	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
REGULAR CHECKS:	112	473,253.73	0.00	473,253.73
HAND CHECKS:	0	0.00	0.00	0.00
DRAFTS:	3	75,856.05	0.00	75,856.05
EFT:	0	0.00	0.00	0.00
NON CHECKS:	0	0.00	0.00	0.00
VOID CHECKS:	0	VOID DEBITS	0.00	
		VOID CREDITS	0.00	
			0.00	

TOTAL ERRORS: 0

VENDOR SET: 01	BANK: AP	TOTALS:	115	549,109.78	0.00	549,109.78
BANK: AP	TOTALS:		115	549,109.78	0.00	549,109.78
REPORT TOTALS:			117	549,109.78	0.00	549,109.78

CASITAS MUNICIPAL WATER DISTRICT
Inter-Office Memorandum

DATE: May 14, 2012
TO: Board of Directors
FROM: Park Services Manager, Carol Belser
Re: Recreation Committee Meeting of May 14, 2012

RECOMMENDATION:

It is recommended that the Board of Directors receive and file this report.

BACKGROUND AND OVERVIEW:

1. **Roll Call.** Directors Kaiser and Hicks
Staff – PSM Carol Belser, PSO Brent Doan

2. **Public comments.** None.

3. **Board/Management comments.**

Director Hicks reported on his attendance at the Association of California Water Agencies - ACWA conference in Monterey. He enjoyed the conference, especially interacting with Bureau of Reclamation staff.

Director Kaiser asked staff if there were plans for the area where the bike rental had been located and asked for it to be agendaized for discussion in the future. Director Kaiser also commented on the new concession agreements and asked if the concessionaire is staying within the demised premises. PSM Belser stated that they are adhering to the new boundaries in the agreement.

PSM Belser provided information on vessels that fail inspection and stated there is no protocol to allow failed vessels in the Recreation Area for any reason.

4. **Discussion on Feasibility of Boat Liability Insurance.**

PSM Belser and PSO Doan presented an overview of information for the consideration of requiring boating customers to show proof of vessel insurance. Staff reported that possessing valid insurance is not state law and the following lakes surveyed did not require insurance to launch: Big Bear Lake, Lake Cachuma, Lake Piru, Lake Silverwood, Castaic Lake and Lake Lopez.

Director Kaiser reported that an individual's homeowner insurance may cover vessels if they are under 26 feet in length and also wondered if the District had the means to offer customers the ability to purchase insurance through the District's provider.

Discussion continued and the Committee agreed that they would like staff to conduct an informal survey of Lake Casitas' boating customers to determine if the customers carry vessel insurance. Staff will also speak with staff of agencies that require

insurance to determine how the programs are administered. Staff will also investigate if there is a means for customers to purchase vessel insurance through Casitas' resources. The topic will be brought back to the Recreation Committee at a later date for discussion and consideration.

5. **Update on Bowfishing.**

PSM Belser discussed the bowfishing program noting the season will end May 15, 2012. She reported that the pilot program's protocol has been very successful, but we had a modest amount of bowfishers participating in the Lake Casitas program. The program will resume beginning October 1, 2012.

6. **Lake Casitas Recreation Area Entry and Exit Draft Design**

PSM Belser reviewed the draft design for reconfiguring the front entrance and exit for the Recreation Area. She reported that grant funding from the Bureau of Reclamation is available for the project, but the amount is still unknown pending an award of funds from the American Recovery and Reinvestment Act (ARRA). The BOR submitted an application on Casitas' behalf.

7. **Review of Incidents and Comments**

PSM Belser reviewed the April incidents.

CASITAS MUNICIPAL WATER DISTRICT

HYDROLOGY REPORT WATER YEAR 2010 - 2011

May 17, 2012

Prepared by
Todd Evans – Assistant Engineer

Introduction

The District, in cooperation with the Ventura County Watershed Protection District and the U.S. Geological Service, collects a considerable amount of hydrology data on the Ventura River system. The hydrology data constitutes a valuable resource for developing an understanding of the water resources of the Ventura River system. Since 1981, the District has summarized the data into a series of annual and tri-annual reports. This is an annual report that presents information for the Water Year 2010-11.

Water Year 2010-11 Summarized

The water year is the standard for reporting hydrology cycles. It begins on October 1 of the preceding year and ending September 30 of the named water year. For this report, Water Year 2010-2011 began on October 1, 2010, and ended September 30, 2011.

There are 4 key elements of collected data that go in to this report: Rainfall, Stream Flow Conditions, Lake Storage & Delivery and Temperatures. Each of these elements are monitored and recorded by the District on a daily basis. The following are brief summaries of the hydrologic elements experienced during Water Year 2010-2011.

- **Rainfall** – Rainfall and evaporation data is collected on a daily basis at two stations, one at the Casitas Dam and one at the recreational area at the lake. The methods for data collection are standardized for consistency.

Rainfall totals for water year 2010-2011 were above the combined average of 25.70 inches. Casitas Dam received 35.99 inches while Matilija Dam got 40.28 inches. Most of the rainfall occurred between the months of October thru March; much of which occurred during one week in December and one week in March.

The storm that brought the largest one day total, 5.73 inches of rain to Casitas Dam and 5.22 inches at Matilija Dam, occurred on December 19, 2010.

The rain events occurred somewhat regularly with some amount of precipitation occurring around the third week of each month. December was the wettest month. Rain then occurred sporadically with the last record rain occurring in June. By this point the rain had very little significant effect on flow in the Ventura River system.

- **Stream flow Conditions** – Stream flow conditions are assessed by collecting data at key points in the Ventura River system. The major storm in October primed the ground. The ground was so dry that the initial rainfall soaked in. The next round of storms began in December and allowed flows to occur in the creeks.

Flow data for the North Fork of Matilija Creek for the water year is unavailable at this time. However, the annual flow from Matilija Dam totaled 16,163 acre-feet (AF).

The diversions at the Robles Diversion Dam totaled 22,305 AF. The facility was operated in accordance with the BA/BO.

The weir at the Robles Diversion Dam had measurable water running over it most of the year; beginning in mid Dec and continuing through September.

- **Lake Storage & Deliveries** – Water storage volumes for system reservoirs, Casitas and Matilija, have been ascertained by the daily recording of the reservoir elevation and applying the elevation number to a storage table for each reservoir.

Rainfall was above average and Lake Casitas Reservoir saw an over all increase in water storage. The lake level was on a slow decline until significant rains hit in March boosting the lake level almost 10 feet into May. The lake then began to recede again thru the end of the water year on September 30, 2011. The net increase of stored water was approx 12,300AF.

The District conducted one controlled release from Matilija Dam. The water was discharged at a low rate of about 20 CFS. The release was conducted during an extended storm event to minimize flow pattern disruptions to the creek system. In addition, due to the wet winter Matilija Dam continued to spill for the entire water year.

Water deliveries to the main conveyance system, including the Mira Monte well, totaled 14,878 AF.

- **Ambient Air Temperatures** – District staff record data at two locations, Casitas Dam and the Lake Casitas Recreation Area. These measurements are made on a daily basis and include the maximum and minimum ambient air temperatures, as well as, wind speed.

Hydrology Stations.

The following hydrology stations are operated and maintained by the Casitas Municipal Water District:

Reservoir water surface elevations:

- Matilija Dam
- Casitas Dam

Rainfall and Evaporation Monitoring Stations

- Lake Casitas (Upper) Recreation Area
- Casitas Dam

Streamflow Gauging Stations:

- Matilija Creek at Matilija Hot Springs
- Ventura River near Meiners Oaks
- Robles-Casitas Canal
- Santa Ana Creek near Oak View
- Coyote Creek near Oak View

The following hydrology stations are operated and maintained by other agencies.

Rainfall Monitoring Stations

- Matilija Dam – Operated by Ventura County Watershed Protection District.

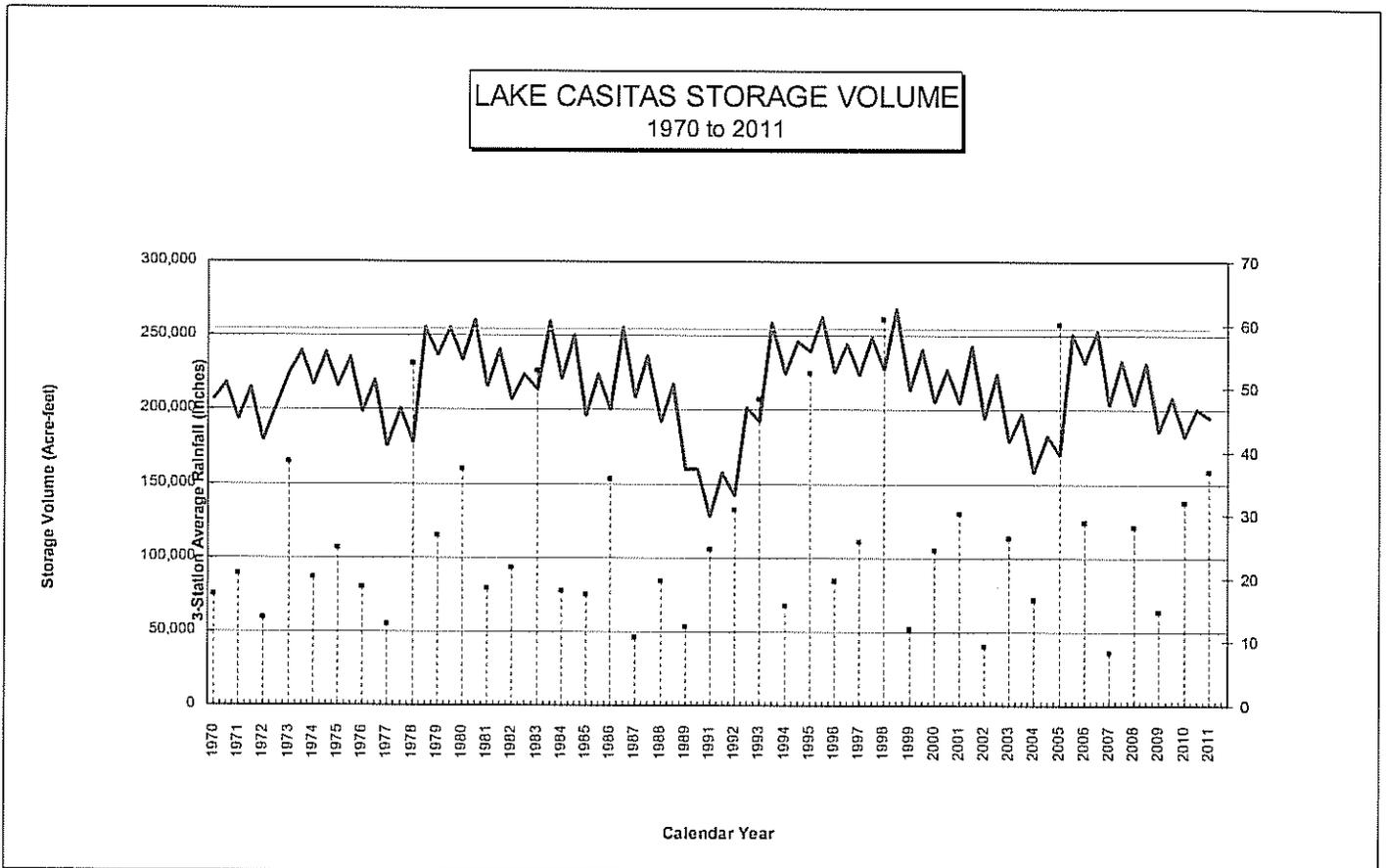
Stream flow Gauging Stations:

- Ventura River near Ventura (Foster Park) – USGS service contract
- North Fork Matilija – Operated by Ventura County Watershed Protection District.

Historical Hydrology Period – Water Years 1959 through 2011

The historical data has been updated for the reporting period and is presented for the period from 1959 to 2011. The historical data includes summaries for the Casitas Reservoir operation, Robles Diversion, rainfall and ambient air temperature.

The operation of the Casitas Reservoir during Water Year 2010-2011 was standard for the types of rainfall events that occurred during the period.

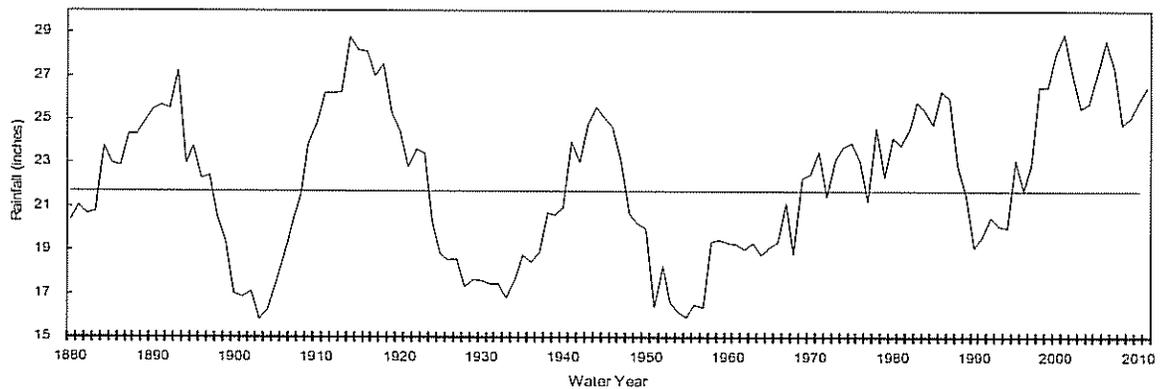


Trends

The historical section of this summary report contains data tables and figures that illustrate trends experienced by the District pertaining to rainfall and water use.

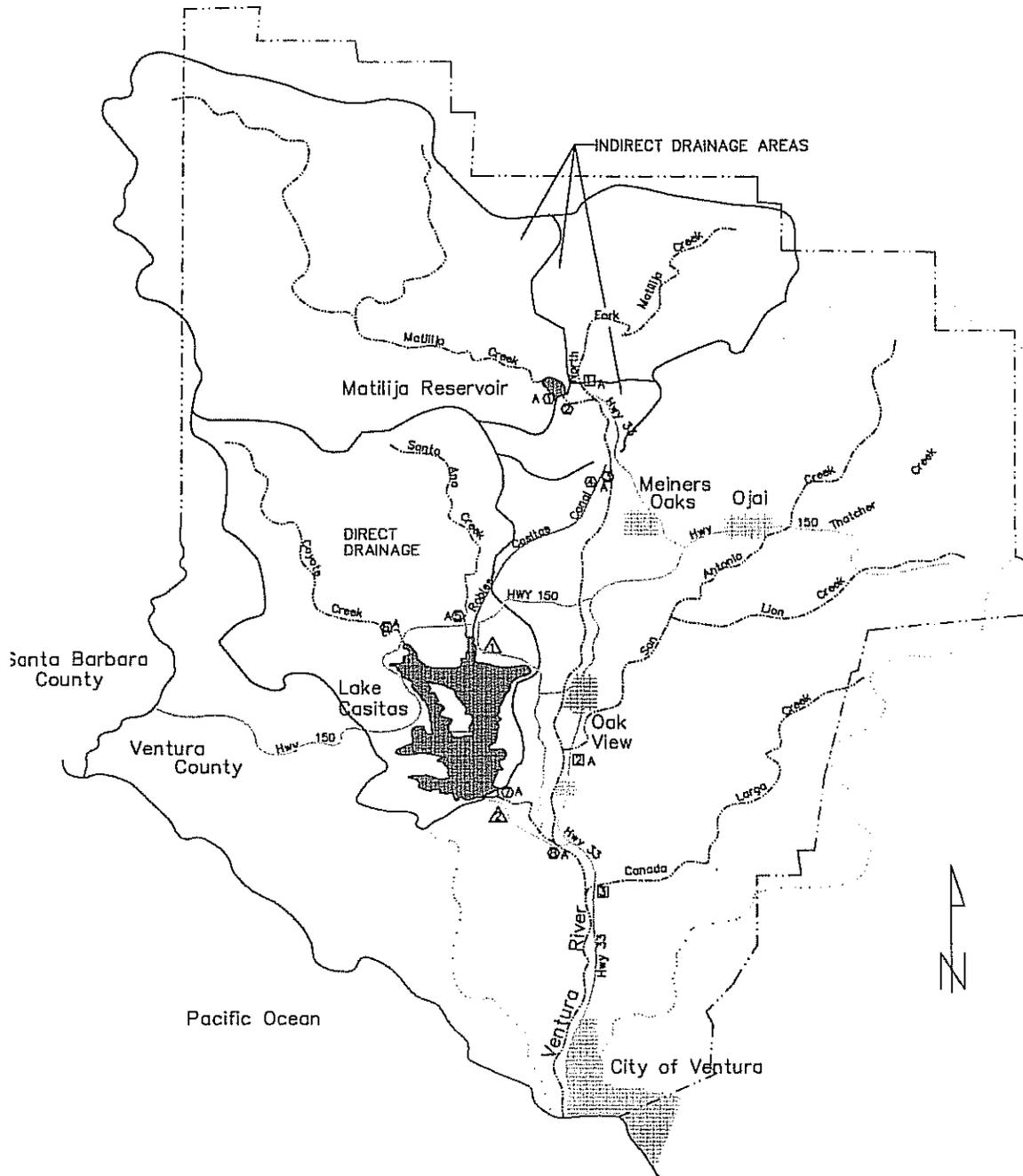
Progressive Ten-year Mean Precipitation. The trend presented here is a progressive ten-year mean of precipitation. It is created by calculating an average consisting of this year's average rainfall combined with the last 9 years. The trending of the ten-year mean has resulted in what appears to be a somewhat sinoidal curve, illustrating reoccurring periods of wet or dry conditions. From the curve, we may gain an insight on whether we are heading into a wet period or a drought. The data for the trend is updated each year. The time period trended begins in 1880 and ends with the Water Year 2010-2011.

PROGRESSIVE TEN-YEAR MEAN CMWD PRECIPITATION MATILUJA DAM, CASITAS DAM AND RECREATION STATIONS



The 10-year Progressive Mean trend indicates that the District may be in an overall dry period as illustrated by the downward direction of the trend line. We are still well above the long term average. This trend does not guarantee or predict future occurrences.

HYDROLOGY MAP – VENTURA RIVER SYSTEM



DRAINAGE AREAS

<u>DIRECT DRAINAGE</u>	<u>SQ. MILES</u>
Coyote Creek	13.30
Santa Ana Creek	9.90
Other	11.09
Subtotal	34.29
<u>INDIRECT DRAINAGE</u>	
Matilija Creek	54.18
N. Fork Matilija Creek	16.67
Above Robles Dam	3.40
Subtotal	74.25
TOTAL	108.54

LEGEND

- DRAINAGE AREA BOUNDARY
- - - - CMWD BOUNDARY
- A 'ALERT' TELEMETRY STATION
- CMWD STREAM GAGING STATIONS
 - Matilija Reservoir
 - Matilija Creek near Matilija Hot Springs
 - Ventura River near Meiners Oaks
 - Robles-Casitas Canal
 - Santa Ana Creek near Oak View
 - Coyote Creek near Oak View
 - Casitas Dam
 - Ventura River near Ventura – USGS Contract
- VENTURA COUNTY STREAMGAGING STATIONS
 - North Fork Matilija Creek at Matilija Hot Springs
 - San Antonio Creek at Casitas Hot Springs
 - Canada Largo Creek near Ventura
- △ CMWD WEATHER STATIONS
 - △ Casitas Recreation
 - △ Casitas Dam

HYDROLOGY DATA

Casitas Reservoir Water Inventory Summary

Reservoir Water Surface Elevations:

- **Matilija Dam**
- **Casitas Dam - listed in Monthly Inventory**

Rainfall Stations:

- **Matilija Dam**
- **Lake Casitas (Upper) Recreation Area**
- **Casitas Dam**

Streamflow Gauging Stations:

- **Matilija Creek at Matilija Hot Springs**
- **Ventura River near Meiners Oaks**
- **Robles-Casitas Canal**
- **Ventura River near Ventura (Foster Park)**
- **Santa Ana Creek near Oak View**
- **Coyote Creek near Oak View**

Casitas Reservoir Water Inventory Summary

CASITAS RESERVOIR WATER INVENTORY SUMMARY
2010/11 WATER YEAR

(All Volumes in Acre-feet)

MONTH	RESERVOIR (last of previous month)		RESERVOIR INFLOW				RESERVOIR RELEASES			CHANGE IN STORAGE
	ELEV (ft)	STORAGE	DIRECT	VENTURA RIVER DIVERS'N	TOTAL	PRECIP	EVAP	TO MAIN SYSTEM	SPILL	
OCT '10	539.40	185453	-209	0	-209	411	590	915	0	-1301
NOV '10	538.82	184150	-460	0	-460	356	332	1354	0	-1455
DEC '10	538.17	182695	7949	2252	10201	2716	197	719	0	12036
JAN '11	543.46	194731	988	1739	2727	164	203	570	0	2118
FEB '11	544.37	196849	1258	714	1972	1045	277	680	0	2060
MAR '11	545.25	198909	8544	8151	16695	1780	468	520	0	17487
APR '11	552.50	216395	1379	5548	6928	16	735	853	0	5356
MAY '11	554.65	221751	-195	1546	1352	224	934	1596	0	-954
JUN '11	554.27	220797	210	149	359	44	838	2034	0	-2469
JUL '11	553.28	218328	88	0	88	0	1152	1884	0	-2948
AUG '11	552.09	215380	87	0	87	0	1134	1973	0	-3020
SEP '11	550.86	212360	-158	0	-158	0	801	1721	0	-2680
OCT '11	549.76	209680	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TOTAL			19483	20099	39582	6756	7661	14819	0	24229

reservoir capacity = 254,000 a.f. @ 567 ft.

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CASITAS RESERVOIR OPERATION
OCTOBER 2010

*figures in acre-feet except where otherwise noted

RESERVOIR (@ 2400 hrs.)			INFLOW			EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE
Elevation	185453 Storage	Surface Area (acres)	Direct	Ventura River Divers'n	Total	Pan @ Dam (in)	Pan @ Rec (in)	Lake Total	at Dam (in)	at Rec (in)	Lake Total	To Main System	To River	Spill	
539.36	185363	2250	10	0	10	0.19	0.19	27	0	0	0	74	0	0	-90
539.31	185251	2249	-19	0	-19	0.24	0.26	35	0	0	0	58	0	0	-113
539.28	185183	2249	-6	0	-6	0.07	0.21	20	0	0	0	42	0	0	-68
539.25	185115	2248	3	0	3	0.10	0.21	22	0.02	0	2	51	0	0	-68
539.22	185047	2248	-17	0	-17	0.00	0.12	8	0.02	0	2	44	0	0	-68
539.25	185115	2248	-31	0	-31	0.12	0.15	19	0.78	0.73	141	24	0	0	68
539.25	185115	2248	-3	0	-3	0.10	0.16	18	0.11	0.34	42	21	0	0	0
539.23	185070	2248	-16	0	-16	0.09	0.11	14	0	0	0	15	0	0	-45
539.21	185025	2248	2	0	2	0.10	0.21	22	0	0	0	25	0	0	-45
539.19	184980	2247	1	0	1	0.11	0.10	15	0	0	0	32	0	0	-45
539.16	184912	2247	-16	0	-16	0.09	0.11	14	0	0	0	37	0	0	-68
539.13	184845	2246	-10	0	-10	0.14	0.10	17	0	0	0	41	0	0	-68
539.12	184822	2246	14	0	14	0.00	0.00	0	0	0	0	36	0	0	-23
539.08	184732	2245	-48	0	-48	0.00	0.00	0	0	0	0	42	0	0	-90
539.05	184665	2245	-25	0	-25	0.00	0.00	0	0	0	0	42	0	0	-68
539.02	184597	2244	-27	0	-27	0.15	0.13	20	0.02	0	2	23	0	0	-68
539.01	184575	2244	21	0	21	0.20	0.27	33	0.05	0.03	7	18	0	0	-23
539.00	184552	2244	15	0	15	0.05	0.23	20	0.08	0.06	13	31	0	0	-23
539.01	184575	2244	31	0	31	0.13	0.15	20	0.28	0.03	29	18	0	0	23
539.00	184552	2244	-58	0	-58	0.11	0.17	20	0.19	0.55	69	14	0	0	-23
539.00	184552	2244	37	0	37	0.12	0.18	21	0.02	0.02	4	19	0	0	0
538.98	184507	2244	-5	0	-5	0.11	0.26	26	0.02	0	2	15	0	0	-45
538.96	184462	2243	-12	0	-12	0.16	0.13	20	0.02	0	2	14	0	0	-45
538.95	184440	2243	11	0	11	0.10	0.18	20	0	0	0	14	0	0	-22
538.95	184440	2243	28	0	28	0.03	0.14	12	0	0	0	16	0	0	0
538.91	184350	2243	-36	0	-36	0.15	0.15	21	0	0	0	32	0	0	-90
538.87	184261	2242	-37	0	-37	0.10	0.31	29	0	0	0	23	0	0	-89
538.85	184217	2242	0	0	0	0.16	0.19	25	0	0	0	20	0	0	-45
538.82	184150	2241	-7	0	-7	0.07	0.27	24	0	0	0	37	0	0	-67
538.83	184172	2241	-25	0	-25	0.13	0.28	29	0.64	0.38	95	19	0	0	22
538.82	184150	2241	18	0	18	0.07	0.25	22	0	0	0	18	0	0	-22
			-209	0	-209	3.19	5.22	590	2.25	2.14	411	915	0	0	-1303

Reservoir capacity = 254,000 acre-feet at 567 ft. elevation.

e = estimate

Reservoir inflow values may be negative due to inaccuracies of the evaporation coefficients (supplied by the USBR)

Evaporation and precipitation readings taken at approximately 8 a.m.

Evaporation Coefficients: Jan=0.65, Feb=0.77, Mar=0.76, Apr=0.80, May=0.81, Jun=0.82, Jul=0.81, Aug=0.81, Sep=0.76, Oct=0.75, Nov=0.72, Dec=0.66

CASITAS RESERVOIR OPERATION
NOVEMBER 2010

*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)			INFLOW			EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE
	Elevation	Surface		Ventura River			Pan @Dam	Pan @Rec	Lake	at Dam	at Rec	Lake	To			
		184150 Storage	Area (acres)	Direct	Divers'n	Total	(in)	(in)	Total	(in)	(in)	Total	Main System	To River	Spill	
1	538.80	184105	2241	-3	0	-3	0.06	0.07	9	0	0	0	32	0	0	-45
2	538.78	184060	2240	9	0	9	0.03	0.23	18	0	0	0	35	0	0	-45
3	538.75	183993	2240	-21	0	-21	0.06	0.16	16	0	0	0	31	0	0	-67
4	538.74	183971	2240	49	0	49	0.12	0.09	15	0	0	0	57	0	0	-22
5	538.70	183881	2239	-54	0	-54	0.04	0.00	3	0	0	0	33	0	0	-90
6	538.68	183836	2239	2	0	2	0.10	0.12	16	0	0	0	31	0	0	-45
7	538.65	183769	2238	-20	0	-20	0.15	0.09	17	0	0	0	30	0	0	-67
8	538.65	183769	2238	-31	0	-31	-0.11	0.00	-8	0.17	0.27	41	18	0	0	0
9	538.61	183679	2238	-52	0	-52	0.11	0.11	16	0	0	0	22	0	0	-90
10	538.59	183635	2237	12	0	12	0.00	0.19	13	0	0	0	43	0	0	-45
11	538.55	183546	2237	-42	0	-42	0.05	0.17	16	0	0	0	31	0	0	-89
12	538.52	183479	2236	8	0	8	0.19	0.20	28	0	0	0	47	0	0	-67
13	538.49	183412	2236	-14	0	-14	0.09	0.10	13	0	0	0	39	0	0	-67
14	538.46	183344	2235	-19	0	-19	0.05	0.12	12	0	0	0	36	0	0	-67
15	538.44	183300	2235	12	0	12	0.05	0.17	16	0	0	0	41	0	0	-45
16	538.41	183232	2235	-5	0	-5	0.06	0.11	12	0	0	0	50	0	0	-67
17	538.37	183143	2234	-31	0	-31	0.04	0.11	11	0	0	0	48	0	0	-90
18	538.35	183098	2234	3	0	3	0.05	0.03	6	0	0	0	42	0	0	-45
19	538.32	183031	2233	-20	0	-20	0.04	0.16	14	0	0	0	33	0	0	-67
20	538.38	183165	2234	-64	0	-64	0.00	0.00	0	1.21	1.07	212	13	0	0	134
21	538.43	183277	2235	38	0	38	0.00	0.00	0	0.45	0.55	93	19	0	0	112
22	538.39	183188	2234	-53	0	-53	0.05	0.10	11	0	0	0	26	0	0	-90
23	538.37	183143	2234	-3	0	-3	0.06	0.14	14	0	0	0	28	0	0	-45
24	538.34	183076	2233	-38	0	-38	0.00	0.12	8	0.03	0	3	24	0	0	-67
25	538.32	183031	2233	4	0	4	0.14	0.12	18	0	0	0	31	0	0	-45
26	538.29	182964	2233	-31	0	-31	0.06	0.00	4	0	0	0	32	0	0	-67
27	538.27	182919	2232	-10	0	-10	0.02	0.09	8	0	0	0	27	0	0	-45
28	538.23	182829	2232	-64	0	-64	0.00	0.07	5	0.05	0.02	7	27	0	0	-90
29	538.23	182829	2232	65	0	65	0.13	0.11	17	0	0	0	48	0	0	0
30	538.17	182695	2231	-87	0	-87	0.05	0.11	11	0	0	0	36	0	0	-134
TOTAL				-460	0	-460	1.69	3.09	338	1.91	1.91	355.70	1012	0	0	-1455

Reservoir capacity = 254,000 acre-feet at 567 ft. elevation.

e = estimate

Direct reservoir inflow values may be negative due to inaccuracies of the evaporation coefficients (supplied by the USBR)

Evaporation and precipitation readings taken at approximately 8 a.m.

Monthly Evaporation Coefficients: Jan=0.65, Feb=0.77, Mar=0.76, Apr=0.80, May=0.81, Jun=0.82, Jul= Aug=0.81, Sep=0.76, Oct=0.75, Nov=0.72, Dec=0.66

CASITAS RESERVOIR OPERATION
DECEMBER 2010

*figures in acre-feet except where otherwise noted

RESERVOIR (@ 2400 hrs.)			INFLOW			EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE
Elevation	182695 Storage	Surface Area (acres)	Direct	Ventura River Divers'n	Total	Pan @ Dam (in)	Pan @ Rec (in)	Lake Total	at Dam (in)	at Rec (in)	Lake Total	To Main System	To River	Spill	
538.14	182628	2230	-9	0	-9	0.04	0.09	9	0	0	0	49	0	0	-67
538.11	182561	2230	-19	0	-19	0.05	0.10	10	0	0	0	37	0	0	-67
538.08	182494	2229	-8	0	-8	0.03	0.11	10	0	0	0	50	0	0	-67
538.05	182427	2229	-27	0	-27	0.04	0.04	6	0	0	0	35	0	0	-67
538.01	182337	2228	-45	0	-45	0.03	0.07	7	0	0	0	38	0	0	-90
538.05	182427	2229	16	0	16	0.00	0.00	0	0.55	0.55	102	28	0	0	90
538.04	182405	2230	18	0	18	0.01	0.15	11	0	0	0	29	0	0	-22
538.02	182360	2228	5	0	5	0.13	0.11	17	0	0	0	33	0	0	-45
538.00	182315	2228	-9	0	-9	0.02	0.09	8	0	0	0	28	0	0	-45
537.98	182271	2228	-10	0	-10	0.04	0.07	8	0	0	0	26	0	0	-44
537.97	182248	2227	15	0	15	0.05	0.12	12	0	0	0	25	0	0	-22
537.95	182204	2227	-17	0	-17	0.01	0.05	4	0	0	0	24	0	0	-44
537.94	182182	2227	12	0	12	0.04	0.02	4	0	0	0	30	0	0	-22
537.92	182137	2227	-15	0	-15	0.02	0.11	9	0.03	0	3	23	0	0	-44
537.92	182137	2227	22	0	22	0.00	0.00	0	0.03	0.04	6	28	0	0	0
537.89	182071	2226	-50	0	-50	0.01	0.02	2	0	0.02	2	17	0	0	-67
537.88	182049	2226	-34	0	-34	0.00	0.00	0	0.10	0.22	30	18	0	0	-22
538.02	182360	2228	23	7	30	0.00	0.00	0	1.79	1.45	301	19	0	0	311
538.66	183791	2239	200	311	511	0.00	0.00	0	5.73	4.30	936	15	0	0	1432
540.25	187372	2265	2680	313	2993	0.00	0.00	0	3.50	2.85	599	13	0	0	3580
540.64	188257	2272	623	172	795	0.00	0.00	0	0.47	0.65	106	16	0	0	885
541.11	189326	2280	501	326	828	0.00	0.00	0	1.47	1.18	252	10	0	0	1069
542.25	191937	2299	2159	335	2494	0.00	0.00	0	0.77	0.58	129	13	0	0	2611
542.58	192696	2304	605	189	794	0.00	0.11	8	0	0	0	27	0	0	760
542.76	193111	2308	303	132	435	0.00	0.11	8	0	0	0	13	0	0	415
543.02	193709	2312	369	117	486	0.00	0.15	11	0.76	0.67	138	14	0	0	599
543.13	193965	2314	180	87	266	0.00	0.00	0	0	0	0	11	0	0	255
543.22	194173	2316	159	73	231	0.00	0.09	7	0	0	0	16	0	0	209
543.34	194452	2317	123	73	196	0.00	0.00	0	0.51	0.52	99	17	0	0	278
543.42	194638	2319	124	62	186	0.00	0.00	0	0.08	0.06	14	14	0	0	186
543.46	194731	2319	54	55	109	0.00	0.00	0	0	0	0	16	0	0	93
			7949	2252	10201	0.52	1.61	150	15.79	13.09	2716	732	0	0	12036

Reservoir capacity = 254,000 acre-feet at 567 ft. elevation.

e = estimate

Reservoir inflow values may be negative due to inaccuracies of the evaporation coefficients (supplied by the USBR)

Evaporation and precipitation readings taken at approximately 8 a.m.

Evaporation Coefficients: Jan=0.65, Feb=0.77, Mar=0.76, Apr=0.80, May=0.81, Jun=0.82, Jul= Aug=0.81, Sep=0.76, Oct=0.75, Nov=0.72, Dec=0.66

CASITAS RESERVOIR OPERATION
JANUARY 2011

*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)			INFLOW			EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE
	Elevation	194731	Surface	Direct	Ventura	Total	Pan	Pan	Lake	at	at	Lake	To	To	Spill	
		Storage	Area		River		@Dam	@Rec		Dam	Rec		Main			
1	543.52	194871	2320	68	96	164	0.00	0.22	14	0	0	0	11	0	0	140
2	543.55	194941	2320	-5	95	91	0.08	0.05	8	0	0	0	13	0	0	70
3	543.68	195242	2322	58	147	205	0.00	0.08	5	0.58	0.61	115	14	0	0	301
4	543.74	195381	2323	34	125	159	0.00	0.10	6	0	0	0	14	0	0	139
5	543.80	195520	2325	43	111	154	0.00	0.08	5	0	0	0	9	0	0	139
6	543.86	195659	2325	57	102	159	0.00	0.12	8	0	0	0	12	0	0	139
7	543.92	195798	2326	59	93	152	0.00	0.08	5	0	0	0	8	0	0	139
8	543.96	195891	2326	15	90	105	0.00	0.06	4	0	0	0	9	0	0	93
9	544.01	196007	2328	51	84	134	0.00	0.08	5	0	0	0	13	0	0	116
10	544.05	196100	2328	31	77	108	0.00	0.09	6	0	0	0	10	0	0	93
11	544.08	196170	2328	17	71	88	0.10	0.06	10	0	0	0	9	0	0	70
12	544.11	196241	2330	35	60	95	0.00	0.12	8	0	0	0	15	0	0	72
13	544.14	196312	2330	31	51	82	0.03	0.00	2	0	0	0	10	0	0	70
14	544.17	196382	2330	44	50	94	0.03	0.12	9	0	0	0	14	0	0	70
15	544.20	196451	2332	56	46	101	0.04	0.15	12	0	0	0	20	0	0	69
16	544.23	196521	2332	46	44	90	0.02	0.10	8	0	0	0	13	0	0	70
17	544.26	196591	2332	66	41	107	0.05	0.08	8	0	0	0	28	0	0	70
18	544.28	196637	2332	45	36	81	0.03	0.00	2	0	0	0	32	0	0	47
19	544.28	196637	2332	-11	34	23	0.04	0.00	3	0	0	0	20	0	0	0
20	544.30	196685	2333	35	32	67	0.00	0.00	0	0	0	0	19	0	0	48
21	544.30	196685	2333	2	30	32	0.09	0.00	6	0	0	0	26	0	0	0
22	544.31	196708	2333	16	29	45	0.03	0.00	2	0	0	0	20	0	0	23
23	544.33	196755	2333	40	28	68	0.10	0.00	6	0	0	0	15	0	0	47
24	544.33	196755	2333	20	25	45	0.08	0.06	9	0	0	0	37	0	0	0
25	544.31	196708	2333	-32	24	-8	0.03	0.10	8	0	0	0	31	0	0	-47
26	544.32	196732	2333	46	22	68	0.06	0.14	13	0	0	0	32	0	0	23
27	544.32	196732	2333	21	21	42	0.06	0.03	6	0	0	0	36	0	0	0
28	544.33	196755	2333	39	19	58	0.07	0.07	9	0	0	0	26	0	0	23
29	544.33	196755	2333	9	18	28	0.05	0.09	9	0	0	0	19	0	0	0
30	544.33	196755	2333	1	21	22	0.05	0.04	6	0	0	0	16	0	0	0
31	544.37	196849	2333	50	17	68	0.00	0.06	4	0.21	0.29	49	19	0	0	94
				988	1739	2727	1.04	2.18	203	0.79	0.90	164	570	0	0	2118

Reservoir capacity = 254,000 acre-feet at 567 ft. elevation.

e = estimate

Direct reservoir inflow values may be negative due to inaccuracies of the evaporation coefficients (supplied by the USBR)

Evaporation and precipitation readings taken at approximately 8 a.m.

Monthly Evaporation Coefficients: Jan=0.65, Feb=0.77, Mar=0.76, Apr=0.80, May=0.81, Jun=0.82, Jul= Aug=0.81, Sep=0.76, Oct=0.75, Nov=0.72, Dec=0.66

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CASITAS RESERVOIR OPERATION
FEBRUARY 2011

*figures in acre-feet except where otherwise noted

RESERVOIR (@ 2400 hrs.)				INFLOW			EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE
DATE	Elevation	196849 Storage	Surface Area (acres)	Direct	Ventura River Divers'n	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	at Dam (in)	at Rec (in)	Lake Total	To Main System	To River	Spill	
1	544.37	196849	2333	30	15	45	0.07	0.12	14	0	0	0	31	0	0	0
2	544.36	196825	2333	-3	13	10	0.03	0.06	7	0	0	0	26	0	0	-23
3	544.35	196802	2333	14	12	26	0.08	0.13	16	0	0	0	34	0	0	-23
4	544.34	196779	2333	0	11	12	0.04	0.08	9	0	0	0	26	0	0	-23
5	544.34	196779	2333	35	11	46	0.07	0.14	16	0	0	0	30	0	0	0
6	544.34	196779	2333	21	10	31	0.01	0.08	7	0	0	0	24	0	0	0
7	544.34	196779	2333	37	9	46	0.05	0.16	16	0	0	0	30	0	0	0
8	544.33	196755	2333	25	9	34	0.04	0.06	7	0	0	0	50	0	0	-23
9	544.30	196685	2333	-15	8	-6	0.07	0.05	9	0	0	0	55	0	0	-70
10	544.28	196637	2332	-5	8	3	0.11	0.09	15	0	0	0	36	0	0	-48
11	544.26	196591	2332	-4	8	4	0.00	0.18	13	0	0	0	37	0	0	-47
12	544.25	196568	2332	8	6	15	0.00	0.15	11	0	0	0	27	0	0	-23
13	544.24	196544	2332	-4	6	3	0.00	0.10	7	0	0	0	19	0	0	-23
14	544.23	196521	2332	5	6	10	0.08	0.09	13	0	0	0	21	0	0	-23
15	544.25	196568	2332	31	6	38	0.00	0.00	0	0.12	0.09	20	11	0	0	47
16	544.30	196685	2333	-54	32	-22	0.00	0.00	0	0.78	0.79	153	13	0	0	118
17	544.35	196802	2333	17	55	72	0.00	0.00	0	0.27	0.33	58	13	0	0	117
18	544.38	196872	2333	10	60	70	0.00	0.00	0	0.06	0.07	13	12	0	0	70
19	544.64	197480	2339	201	45	246	0.00	0.00	0	1.78	2.10	378	17	0	0	607
20	544.71	197642	2341	75	44	119	0.00	0.00	0	0.26	0.31	56	12	0	0	163
21	544.75	197736	2341	113	22	134	0.17	0.05	17	0	0	0	25	0	0	93
22	544.75	197736	2341	38	6	44	0.06	0.16	17	0	0	0	27	0	0	0
23	544.75	197736	2341	31	0	31	0.06	0.12	14	0	0	0	17	0	0	0
24	544.75	197736	2341	43	0	43	0.15	0.13	21	0	0	0	22	0	0	0
25	544.75	197736	2341	-4	23	19	0.01	0.09	8	0.02	0	2	13	0	0	0
26	545.09	198531	2346	295	166	460	0.00	0.00	0	2.08	1.59	359	24	0	0	795
27	545.22	198838	2349	272	74	347	0.30	0.11	31	0.03	0.04	7	15	0	0	307
28	545.25	198909	2349	46	49	95	0.08	0.07	11	0	0	0	13	0	0	71
TOTAL				1258	714	1972	1.48	2.22	277	5.40	5.32	1045	680	0	0	2060

Reservoir capacity = 254,000 acre-feet at 567 ft. elevation.

e = estimate

Direct reservoir inflow values may be negative due to inaccuracies of the evaporation coefficients (supplied by the USBR)

Evaporation and precipitation readings taken at approximately 8 a.m.

Monthly Evaporation Coefficients: Jan=0.65, Feb=0.77, Mar=0.76, Apr=0.80, May=0.81, Jun=0.82, Jul= Aug=0.81, Sep=0.76, Oct=0.75, Nov=0.72, Dec=0.66

CASITAS RESERVOIR OPERATION
MARCH 2011

*figures in acre-feet except where otherwise noted

RESERVOIR (@ 2400 hrs.)			INFLOW			EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE	
DATE	Elevation	198909 Storage	Surface Area (acres)	Direct	Ventura River Divers'n	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	at Dam (in)	at Rec (in)	Lake Total	To Main System	To River		Spill
1	545.30	199026	2351	105	39	143	0.07	0.08	11	0	0	0	14	0	0	118
2	545.34	199120	2351	92	36	127	0.10	0.12	16	0.01	0	1	18	0	0	94
3	545.39	199238	2351	55	43	98	0.00	0.10	7	0.29	0.21	49	22	0	0	118
4	545.41	199286	2353	30	35	66	0.00	0.15	11	0.02	0	2	9	0	0	48
5	545.45	199380	2353	102	26	127	0.14	0.11	19	0	0	0	14	0	0	94
6	545.46	199404	2353	42	18	61	0.23	0.14	28	0	0	0	9	0	0	24
7	545.46	199404	2353	7	16	23	0.07	0.13	15	0	0	0	8	0	0	0
8	545.49	199474	2353	88	23	111	0.17	0.25	31	0	0	0	9	0	0	71
9	545.50	199498	2355	27	34	61	0.21	0.12	25	0	0	0	13	0	0	24
10	545.51	199522	2355	31	35	66	0.11	0.16	20	0	0	0	22	0	0	24
11	545.54	199592	2355	84	32	116	0.11	0.14	19	0	0	0	27	0	0	71
12	545.54	199592	2355	6	29	35	0.14	0.10	18	0	0	0	17	0	0	0
13	545.55	199616	2355	35	26	62	0.14	0.13	20	0	0	0	18	0	0	24
14	545.56	199640	2355	37	22	59	0.06	0.08	10	0	0	0	25	0	0	24
15	545.57	199663	2355	42	19	62	0.08	0.14	16	0	0	0	22	0	0	24
16	545.57	199663	2355	23	18	40	0.15	0.08	17	0	0	0	23	0	0	0
17	545.57	199663	2355	35	14	49	0.13	0.11	18	0	0	0	31	0	0	0
18	545.56	199640	2355	17	13	30	0.14	0.17	23	0	0	0	31	0	0	-24
19	545.60	199733	2356	98	20	118	0.04	0.11	11	0.05	0	5	19	0	0	93
20	545.99	200652	2361	71	214	285	0.00	0.00	0	3.07	3.59	655	21	0	0	919
21	548.40	206396	2403	4335	757	5092	0.00	0.00	0	3.04	3.59	664	12	0	0	5744
22	548.73	207190	2409	16	789	805	0.00	0.00	0	0.02	0	2	13	0	0	794
23	549.15	208202	2416	420	622	1042	0.10	0.12	17	0	0	0	13	0	0	1012
24	549.56	209195	2423	324	566	890	0.00	0.00	0	0.38	0.76	115	12	0	0	993
25	550.17	210677	2434	392	829	1220	0.00	0.00	0	1.46	1.23	273	11	0	0	1482
26	550.83	212287	2445	758	879	1637	0.17	0.00	13	0	0.01	1	15	0	0	1610
27	551.28	213389	2451	406	720	1126	0.24	0.02	20	0.05	0.03	8	12	0	0	1102
28	551.64	214274	2458	226	683	909	0.04	0.13	13	0	0	0	11	0	0	885
29	552.00	215159	2464	330	591	920	0.09	0.14	18	0	0	0	18	0	0	885
30	552.26	215801	2467	162	518	680	0.13	0.16	23	0	0	0	15	0	0	642
31	552.50	216395	2473	153	483	636	0.22	0.14	28	0	0	0	14	0	0	594
TOTAL				8549	8151	16700	3.08	3.13	468	8.39	9.42	1775	520	0	0	17487

Reservoir capacity = 254,000 acre-feet at 567 ft. elevation.

e = estimate

Direct reservoir inflow values may be negative due to inaccuracies of the evaporation coefficients (supplied by the USBR)

Evaporation and precipitation readings taken at approximately 8 a.m.

Monthly Evaporation Coefficients:

Jan=0.65, Feb=0.77, Mar=0.76, Apr=0.80, May=0.81, Jun=0.82, Jul= Aug=0.81, Sep=0.76, Oct=0.75, Nov=0.72, Dec=0.66

 Rain is a two-day average

CASITAS RESERVOIR OPERATION
APRIL 2011

*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)			INFLOW			EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE
	Elevation	216395 Storage	Surface Area (acres)	Direct	Ventura River Divers'n	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	at Dam (in)	at Rec (in)	Lake Total	To Main System	To River	Spill	
1	552.73	216963	2476	167	444	610	0.20	0.13	27	0	0	0	15	0	0	568
2	552.94	217483	2479	162	412	575	0.21	0.23	36	0	0	0	19	0	0	520
3	553.11	217905	2483	85	364	449	0.10	0.13	19	0	0.04	4	12	0	0	422
4	553.26	218278	2484	86	321	407	0.09	0.09	15	0	0	0	19	0	0	374
5	553.40	218627	2488	96	291	387	0.13	0.13	22	0	0	0	17	0	0	349
6	553.52	218926	2490	68	269	336	0.12	0.15	22	0	0	0	15	0	0	299
7	553.63	219200	2491	53	251	304	0.03	0.12	12	0	0	0	17	0	0	274
8	553.73	219449	2493	71	234	305	0.18	0.14	27	0	0	0	29	0	0	249
9	553.82	219673	2495	60	218	278	0.28	0.18	38	0	0	0	16	0	0	224
10	553.90	219872	2496	46	201	247	0.11	0.22	27	0	0	0	21	0	0	199
11	553.97	220046	2496	29	187	216	0.10	0.11	17	0	0	0	24	0	0	174
12	554.04	220221	2498	45	176	221	0.03	0.17	17	0	0	0	30	0	0	174
13	554.11	220397	2500	68	169	237	0.18	0.18	30	0	0	0	30	0	0	177
14	554.16	220523	2500	34	159	193	0.04	0.26	25	0	0	0	43	0	0	126
15	554.21	220647	2501	52	151	204	0.23	0.19	35	0	0	0	44	0	0	124
16	554.27	220797	2501	94	142	236	0.40	0.20	50	0	0	0	36	0	0	150
17	554.31	220898	2503	26	140	166	0.06	0.18	20	0	0	0	45	0	0	101
18	554.34	220973	2503	-9	139	130	0.10	0.13	19	0	0	0	36	0	0	75
19	554.39	221099	2503	52	131	184	0.08	0.18	22	0	0	0	37	0	0	126
20	554.42	221174	2504	3	132	135	0.11	0.14	21	0	0	0	39	0	0	75
21	554.45	221250	2504	-1	124	123	0.15	0.00	13	0	0	0	35	0	0	75
22	554.49	221350	2504	22	120	143	0.10	0.00	8	0	0	0	34	0	0	100
23	554.52	221424	2506	-1	115	114	0.10	0.10	17	0.03	0	3	26	0	0	74
24	554.56	221524	2506	14	114	128	0.08	0.08	13	0.01	0.04	5	19	0	0	100
25	554.58	221574	2506	-11	106	94	0.13	0.00	11	0	0.03	3	36	0	0	50
26	554.61	221650	2508	25	96	121	0.12	0.12	20	0	0	0	25	0	0	76
27	554.63	221700	2508	22	92	115	0.28	0.13	34	0	0	0	30	0	0	50
28	554.64	221725	2508	12	86	98	0.11	0.29	33	0	0	0	40	0	0	25
29	554.64	221725	2508	-9	81	72	0.29	0.16	38	0	0	0	34	0	0	0
30	554.65	221751	2508	20	81	101	0.28	0.26	45	0	0	0	31	0	0	25
TOTAL				1379	5548	6928	4.42	4.40	735	0.04	0.11	16	853	0	0	5356

Reservoir capacity = 254,000 acre-feet at 567 ft. elevation.

e = estimate

Direct reservoir inflow values may be negative due to inaccuracies of the evaporation coefficients (supplied by the USBR)

Evaporation and precipitation readings taken at approximately 8 a.m.

Monthly Evaporation Coefficients: Jan=0.65, Feb=0.77, Mar=0.76, Apr=0.80, May=0.81, Jun=0.82, Jul= Aug=0.81, Sep=0.76, Oct=0.75, Nov=0.72, Dec=0.66

CASITAS RESERVOIR OPERATION
MAY 2011

*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)			INFLOW			EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE
	Elevation	221751 Storage	Surface Area (acres)	Direct	Ventura River Divers'n	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	at Dam (in)	at Rec (in)	Lake Total	To Main System	To River	Spill	
1	554.65	221751	2508	-4	83	79	0.27	0.27	46	0	0	0	33	0	0	0
2	554.65	221751	2508	-12	73	61	0.15	0.22	31	0	0	0	29	0	0	0
3	554.65	221751	2508	41	64	105	0.11	0.37	41	0	0	0	65	0	0	0
4	554.64	221725	2508	-16	60	44	0.39	0.14	45	0	0	0	24	0	0	-25
5	554.64	221725	2508	45	59	104	0.20	0.17	31	0	0	0	73	0	0	0
6	554.62	221675	2508	-5	58	53	0.16	0.19	30	0	0	0	73	0	0	-50
7	554.61	221650	2508	14	63	78	0.25	0.26	43	0	0	0	60	0	0	-25
8	554.60	221625	2508	-15	70	54	0.28	0.06	29	0	0	0	51	0	0	-25
9	554.59	221599	2506	-4	66	61	0.08	0.22	25	0	0	0	62	0	0	-26
10	554.57	221549	2506	-37	62	25	0.19	0.22	35	0.07		7	47	0	0	-50
11	554.56	221524	2506	26	59	85	0.23	0.19	36	0	0	0	75	0	0	-25
12	554.54	221474	2506	-9	53	43	0.21	0.20	35	0	0	0	59	0	0	-50
13	554.52	221424	2506	1	48	49	0.17	0.18	30	0	0	0	69	0	0	-50
14	554.50	221374	2506	-36	53	17	0.19	0.09	24	0	0	0	43	0	0	-50
15	554.50	221374	2506	-13	58	45	0.07	0.08	13	0.04	0.04	8	41	0	0	0
16	554.47	221300	2504	-32	54	22	0.29	0.24	45	0	0	0	51	0	0	-74
17	554.51	221399	2506	-82	69	-13	0.00	0.00	0	0.76	0.56	138	25	0	0	99
18	554.54	221474	2506	-34	79	46	0.00	0.00	0	0.34	0.34	71	42	0	0	75
19	554.52	221424	2506	-33	60	27	0.22	0.24	39		0	0	38	0	0	-50
20	554.52	221424	2506	18	47	65	0.09	0.19	24	0	0	0	42	0	0	0
21	554.51	221399	2506	2	45	47	0.23	0.17	34	0	0	0	38	0	0	-25
22	554.50	221374	2506	-11	46	35	0.15	0.11	22	0	0	0	38	0	0	-25
23	554.49	221350	2504	11	40	51	0.08	0.16	20	0	0	0	55	0	0	-24
24	554.47	221300	2504	3	35	37	0.16	0.16	27	0	0	0	61	0	0	-50
25	554.45	221250	2504	4	31	35	0.20	0.17	31	0	0	0	54	0	0	-50
26	554.42	221174	2504	-2	27	26	0.20	0.21	35	0	0	0	66	0	0	-75
27	554.41	221149	2504	62	17	79	0.17	0.28	38	0	0	0	66	0	0	-25
28	554.37	221049	2503	-26	13	-14	0.32	0.11	36	0	0	0	51	0	0	-100
29	554.33	220948	2503	-34	17	-17	0.28	0.15	36	0	0	0	47	0	0	-100
30	554.31	220898	2508	18	22	40	0.19	0.24	36	0	0	0	54	0	0	-50
31	554.27	220797	2501	-33	17	-16	0.1	0.12	19	0	0	0	66	0	0	-101
TOTAL				-195	1546	1352	5.63	5.41	934	1.21	0.94	224	1596	0	0	-954

Reservoir capacity = 254,000 acre-feet at 567 ft. elevation.

e = estimate

Direct reservoir inflow values may be negative due to inaccuracies of the evaporation coefficients (supplied by the USBR)

Evaporation and precipitation readings taken at approximately 8 a.m.

Monthly Evaporation Coefficients:

CASITAS RESERVOIR OPERATION
JUNE 2011

*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)			INFLOW			EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE
	Elevation	Surface	Area (acres)	Direct	Ventura River		Pan	Pan	Lake	at	at	Lake	To	To	Spill	
		220797 Storage			Divers'n	Total	@Dam (in)	@Rec (in)	Total	Dam (in)	Rec (in)	Total	Main System	River		
1	554.24	220722	2501	24	12	36	0.17	0.29	38	0	0	0	72	0	0	-75
2	554.20	220622	2501	8	11	19	0.27	0.27	45	0	0	0	74	0	0	-100
3	554.16	220523	2500	7	6	13	0.30	0.13	36	0	0	0	76	0	0	-99
4	554.12	220422	2500	-9	0	-8	0.16	0.17	27	0	0	0	65	0	0	-100
5	554.09	220345	2498	-1	10	9	0.29	0.14	36	0	0	0	50	0	0	-77
6	554.09	220345	2498	-23	36	13	0.00	0.00	0	0.21	0.19	42	55	0	0	0
7	554.06	220270	2498	-33	17	-16	0.02	0.12	12	0	0	0	47	0	0	-75
8	554.03	220196	2498	32	13	45	0.30	0.29	49	0	0	0	70	0	0	-75
9	554.01	220146	2498	32	10	43	0.09	0.17	22	0	0	0	71	0	0	-50
10	553.97	220046	2496	-17	2	-15	0.10	0.13	19	0	0	0	65	0	0	-100
11	553.94	219972	2496	-5	7	2	0.18	0.10	23	0	0	0	54	0	0	-75
12	553.92	219922	2496	7	13	20	0.07	0.08	12	0	0	0	57	0	0	-50
13	553.90	219872	2496	26	9	35	0.05	0.12	14	0	0	0	70	0	0	-50
14	553.86	219772	2495	-22	2	-20	0.04	0.11	12	0	0	0	67	0	0	-100
15	553.83	219698	2495	30	0	30	0.20	0.18	32	0	0	0	74	0	0	-75
16	553.80	219623	2495	24	0	24	0.18	0.11	24	0	0	0	74	0	0	-75
17	553.76	219523	2493	-17	0	-17	0.11	0.11	18	0	0.02	2	66	0	0	-100
18	553.72	219424	2493	-13	0	-13	0.25	0.08	27	0	0	0	59	0	0	-100
19	553.69	219349	2491	-16	0	-16	0.03	0.08	9	0	0	0	50	0	0	-75
20	553.67	219299	2491	33	0	33	0.15	0.10	21	0	0	0	62	0	0	-50
21	553.64	219225	2491	21	0	21	0.13	0.23	30	0	0	0	66	0	0	-75
22	553.61	219150	2491	27	0	27	0.07	0.28	29	0	0	0	73	0	0	-75
23	553.57	219050	2490	27	0	27	0.43	0.19	51	0	0	0	76	0	0	-100
24	553.53	218951	2490	1	0	1	0.13	0.21	28	0	0	0	72	0	0	-100
25	553.49	218851	2488	10	0	10	0.24	0.24	40	0	0	0	70	0	0	-100
26	553.45	218752	2488	-8	0	-8	0.24	0.12	30	0	0	0	62	0	0	-100
27	553.42	218677	2488	34	0	34	0.15	0.23	32	0	0	0	77	0	0	-75
28	553.37	218552	2486	7	0	7	0.36	0.21	47	0	0	0	85	0	0	-125
29	553.33	218453	2486	27	0	27	0.25	0.23	40	0	0	0	86	0	0	-100
30	553.28	218328	2484	-4	0	-4	0.25	0.15	33	0	0	0	88	0	0	-125
TOTAL				210	149	359	5.21	4.87	838	0.21	0.21	44	2034	0	0	-2469

Reservoir capacity = 254,000 acre-feet at 567 ft. elevation.

e = estimate

Direct reservoir inflow values may be negative due to inaccuracies of the evaporation coefficients (supplied by the USBR)

Evaporation and precipitation readings taken at approximately 8 a.m.

Monthly Evaporation Coefficients: Jan=0.65, Feb=0.77, Mar=0.76, Apr=0.80, May=0.81, Jun=0.82, Jul= Aug=0.81, Sep=0.76, Oct=0.75, Nov=0.72, Dec=0.66

CASITAS RESERVOIR OPERATION
JULY 2011

*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)			INFLOW			EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE
	Elevation	218328 Storage	Surface Area (acres)	Direct	Ventura River Divers'n	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	at Dam (in)	at Rec (in)	Lake Total	To Main System	To River	Spill	
1	553.23	218204	2484	-30	0	-30	0.22	0.19	34	0	0	0	60	0	0	-125
2	553.20	218129	2484	27	0	27	0.33	0.19	44	0	0	0	58	0	0	-75
3	553.16	218029	2483	-13	0	-13	0.18	0.21	33	0	0	0	54	0	0	-100
4	553.13	217955	2483	52	0	52	0.39	0.32	59	0	0	0	67	0	0	-75
5	553.09	217853	2481	1	0	1	0.11	0.28	33	0	0	0	69	0	0	-101
6	553.05	217755	2490	9	0	9	0.18	0.19	31	0	0	0	77	0	0	-99
7	553.01	217656	2481	10	0	10	0.24	0.22	39	0	0	0	70	0	0	-99
8	552.96	217532	2479	-21	0	-21	0.19	0.35	45	0	0	0	57	0	0	-124
9	552.92	217433	2479	-8	0	-8	0.32	0.13	38	0	0	0	54	0	0	-99
10	552.89	217360	2478	28	0	28	0.40	0.23	53	0	0	0	48	0	0	-73
11	552.85	217261	2478	-7	0	-7	0.09	0.24	28	0	0	0	64	0	0	-99
12	552.81	217162	2478	-7	0	-7	0.26	0.15	34	0	0	0	58	0	0	-99
13	552.77	217062	2476	13	0	13	0.18	0.37	46	0	0	0	67	0	0	-100
14	552.74	216988	2476	5	0	5	0.04	0.12	13	0	0	0	66	0	0	-74
15	552.70	216889	2476	-21	0	-21	0.22	0.08	25	0	0	0	53	0	0	-99
16	552.67	216815	2474	13	0	13	0.24	0.21	38	0	0	0	49	0	0	-74
17	552.63	216716	2474	-13	0	-13	0.26	0.19	38	0	0	0	48	0	0	-99
18	552.60	216642	2474	21	0	21	0.10	0.19	24	0	0	0	71	0	0	-74
19	552.56	216543	2473	2	0	2	0.17	0.21	32	0	0	0	69	0	0	-99
20	552.52	216444	2473	31	0	31	0.36	0.28	53	0	0	0	76	0	0	-99
21	552.48	216346	2471	1	0	1	0.17	0.21	32	0	0	0	68	0	0	-99
22	552.44	216247	2471	0	0	0	0.24	0.20	37	0	0	0	62	0	0	-99
23	552.40	216148	2471	-6	0	-6	0.24	0.19	36	0	0	0	57	0	0	-99
24	552.36	216050	2469	-8	0	-8	0.28	0.27	46	0	0	0	44	0	0	-98
25	552.33	215975	2469	11	0	11	0.14	0.13	22	0	0	0	63	0	0	-74
26	552.29	215875	2467	10	0	10	0.24	0.31	46	0	0	0	64	0	0	-100
27	552.25	215777	2467	16	0	16	0.24	0.25	41	0	0	0	74	0	0	-99
28	552.20	215653	2467	-22	0	-22	0.30	0.20	42	0	0	0	60	0	0	-124
29	552.17	215579	2466	15	0	15	0.27	0.23	42	0	0	0	47	0	0	-74
30	552.13	215480	2466	-6	0	-6	0.19	0.25	37	0	0	0	56	0	0	-99
31	552.09	215380	2464	-16	0	-16	0.30	0.11	34	0	0	0	49	0	0	-100
TOTAL				88	0	88	7.09	6.70	1152	0.00	0.00	0	1884	0	0	-2948

Reservoir capacity = 254,000 acre-feet at 567 ft. elevation.

e = estimate

Direct reservoir inflow values may be negative due to inaccuracies of the evaporation coefficients (supplied by the USBR)

Evaporation and precipitation readings taken at approximately 8 a.m.

Monthly Evaporation Coefficients: Jan=0.65, Feb=0.77, Mar=0.76, Apr=0.80, May=0.81, Jun=0.82, Jul= Aug=0.81, Sep=0.76, Oct=0.75, Nov=0.72, Dec=0.66

CASITAS RESERVOIR OPERATION
AUGUST 2011

*figures in acre-feet except where otherwise noted

RESERVOIR (@ 2400 hrs.)			INFLOW			EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE
Elevation	215380 Storage	Surface Area (acres)	Direct	Ventura River Divers'n	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	at Dam (in)	at Rec (in)	Lake Total	To Main System	To River	Spill	
552.06	215307	2464	37	0	37	0.20	0.28	40	0	0	0	71	0	0	-74
552.01	215184	2464	-28	0	-28	0.24	0.14	32	0	0	0	64	0	0	-123
551.97	215085	2462	16	0	16	0.29	0.19	40	0	0	0	75	0	0	-99
551.92	214962	2462	-9	0	-9	0.24	0.28	43	0	0	0	70	0	0	-123
551.87	214840	2461	-31	0	-31	0.24	0.14	32	0	0	0	59	0	0	-122
551.83	214742	2461	-9	0	-9	0.27	0.15	35	0	0	0	54	0	0	-98
551.80	214668	2461	19	0	19	0.37	0.15	43	0	0	0	50	0	0	-74
551.76	214570	2459	-10	0	-10	0.08	0.19	22	0	0	0	66	0	0	-98
551.72	214471	2459	16	0	16	0.24	0.38	51	0	0	0	63	0	0	-98
551.68	214373	2458	5	0	5	0.22	0.16	32	0	0	0	72	0	0	-98
551.64	214274	2458	-19	0	-19	0.07	0.17	20	0	0	0	59	0	0	-98
551.60	214176	2458	-4	0	-4	0.24	0.19	36	0	0	0	59	0	0	-98
551.56	214077	2456	-1	0	-1	0.38	0.15	44	0	0	0	54	0	0	-99
551.53	214004	2456	6	0	6	0.29	0.18	39	0	0	0	40	0	0	-74
551.51	213955	2456	59	0	59	0.32	0.22	45	0	0	0	64	0	0	-49
551.47	213857	2454	-3	0	-3	0.16	0.20	30	0	0	0	65	0	0	-97
551.43	213759	2454	17	0	17	0.17	0.24	34	0	0	0	81	0	0	-98
551.38	213636	2453	-17	0	-17	0.18	0.24	35	0	0	0	72	0	0	-123
551.34	213537	2453	11	0	11	0.35	0.17	43	0	0	0	67	0	0	-98
551.30	213439	2453	-14	0	-14	0.17	0.23	33	0	0	0	51	0	0	-98
551.27	213365	2451	4	0	4	0.23	0.22	37	0	0	0	41	0	0	-75
551.23	213267	2451	-12	0	-12	0.05	0.18	19	0	0	0	67	0	0	-98
551.19	213169	2450	12	0	12	0.21	0.26	39	0	0	0	71	0	0	-97
551.15	213071	2450	8	0	8	0.24	0.18	35	0	0	0	72	0	0	-98
551.11	212973	2450	8	0	8	0.21	0.29	41	0	0	0	65	0	0	-98
551.07	212873	2448	5	0	5	0.29	0.14	36	0	0	0	70	0	0	-100
551.03	212775	2448	5	0	5	0.21	0.26	39	0	0	0	64	0	0	-98
550.99	212678	2446	-3	0	-3	0.34	0.14	40	0	0	0	55	0	0	-98
550.95	212580	2446	13	0	13	0.35	0.18	44	0	0	0	67	0	0	-98
550.91	212482	2446	10	0	10	0.21	0.25	38	0	0	0	70	0	0	-98
550.86	212360	2445	-5	0	-5	0.24	0.24	40	0	0	0	78	0	0	-122
			87	0	87	7.30	6.39	1134	0.00	0.00	0	1973	0	0	-3020

Reservoir capacity = 254,000 acre-feet at 567 ft. elevation.

e = estimate

Reservoir inflow values may be negative due to inaccuracies of the evaporation coefficients (supplied by the USBR)

Evaporation and precipitation readings taken at approximately 8 a.m.

Evaporation Coefficients: Jan=0.65, Feb=0.77, Mar=0.76, Apr=0.80, May=0.81, Jun=0.82, Jul=0.81, Aug=0.81, Sep=0.76, Oct=0.75, Nov=0.72, Dec=0.66

CASITAS RESERVOIR OPERATION
SEPTEMBER 2011

*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)			INFLOW			EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE
	Elevation	212360 Storage	Surface Area (acres)	Direct	Ventura River Divers'n	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	at Dam (in)	at Rec (in)	Lake Total	To Main System	To River	Spill	
1	550.82	212263	2445	-10	0	-10	0.19	0.17	28	0	0	0	60	0	0	-98
2	550.78	212165	2443	-1	0	-1	0.18	0.19	29	0	0	0	68	0	0	-98
3	550.74	212068	2443	-15	0	-15	0.26	0.20	36	0	0	0	47	0	0	-98
4	550.70	211970	2443	-15	0	-15	0.16	0.26	32	0	0	0	50	0	0	-98
5	550.66	211872	2442	-16	0	-16	0.19	0.11	23	0	0	0	58	0	0	-98
6	550.63	211799	2442	36	0	36	0.28	0.21	38	0	0	0	71	0	0	-73
7	550.59	211702	2440	33	0	33	0.20	0.31	39	0	0	0	91	0	0	-98
8	550.52	211580	2440	-5	0	-5	0.20	0.24	34	0	0	0	83	0	0	-122
9	550.48	211458	2438	-6	0	-6	0.29	0.15	34	0	0	0	82	0	0	-122
10	550.42	211336	2438	-41	0	-41	0.13	0.23	28	0	0	0	54	0	0	-122
11	550.38	211214	2437	-56	0	-56	0.17	0.18	27	0	0	0	39	0	0	-122
12	550.35	211116	2437	-25	0	-25	0.02	0.14	12	0	0	0	61	0	0	-98
13	550.31	211018	2437	4	0	4	0.29	0.20	38	0	0	0	64	0	0	-98
14	550.28	210945	2435	24	0	24	0.24	0.14	29	0	0	0	68	0	0	-73
15	550.24	210848	2435	-1	0	-1	0.30	0.21	39	0	0	0	58	0	0	-98
16	550.20	210750	2435	-24	0	-24	0.04	0.24	22	0	0	0	52	0	0	-98
17	550.16	210652	2434	-32	0	-32	0.18	0.10	22	0	0	0	44	0	0	-98
18	550.14	210604	2434	15	0	15	0.19	0.12	24	0	0	0	40	0	0	-49
19	550.11	210530	2434	18	0	18	0.13	0.18	24	0	0	0	67	0	0	-73
20	550.07	210433	2432	-17	0	-17	0.17	0.14	24	0	0	0	56	0	0	-98
21	550.03	210335	2432	-3	0	-3	0.18	0.18	28	0	0	0	67	0	0	-98
22	550.00	210262	2432	3	0	3	0.04	0.21	19	0	0	0	57	0	0	-73
23	549.97	210187	2430	18	0	18	0.28	0.16	34	0	0	0	59	0	0	-75
24	549.93	210090	2430	-27	0	-27	0.15	0.15	23	0	0	0	46	0	0	-96
25	549.90	210018	2430	-11	0	-11	0.10	0.22	25	0	0	0	37	0	0	-72
26	549.88	209971	2428	0	0	0	0.05	0.08	10	0	0	0	38	0	0	-47
27	549.86	209922	2428	22	0	22	0.10	0.12	17	0	0	0	53	0	0	-48
28	549.83	209850	2428	-7	0	-7	0.03	0.18	16	0	0	0	49	0	0	-73
29	549.79	209753	2427	-6	0	-6	0.23	0.18	32	0	0	0	59	0	0	-97
30	549.76	209680	2427	-12	0	-12	0.12	0.10	17	0	0	0	44	0	0	-73
TOTAL				-158	0	-158	5.09	5.30	801	0.00	0.00	0	1721	0	0	-2680

Reservoir capacity = 254,000 acre-feet at 567 ft. elevation.

e = estimate due to equipment error

Direct reservoir inflow values may be negative due to inaccuracies of the evaporation coefficients (supplied by the USBR)

Evaporation and precipitation readings taken at approximately 8 a.m.

Monthly Evaporation Coefficients: Jan=0.65, Feb=0.77, Mar=0.76, Apr=0.80, May=0.81, Jun=0.82, Jul= Aug=0.81, Sep=0.76, Oct=0.75, Nov=0.72, Dec=0.66

Mira Monte Well Water Production

Mira Monte Well

Water Year 10-11

Month	Acre Feet
Oct-10	14.23
Nov-10	10.51
Dec-10	1.81
Jan-11	0.29
Feb-11	0.21
Mar-11	1.63
Apr-11	0.33
May-11	0.31
Jun-11	4.48
Jul-11	7.09
Aug-11	8.95
Sep-11	9.10
<hr/>	
Total	58.94 AF

Lake Matilija Water Surface Elevations

Rainfall Stations

VENTURA COUNTY, CALIFORNIA
WATER SURVEY
DAILY RAINFALL RECORD

STATION: **Casitas Dam**
OBSERVER: CMWD Damtender
AUTHORITY: Casitas Municipal Water District
ADDRESS: P.O. Box 37, Oak View, CA 93022
COMPILED: C. Iles

NUMBER: 4
OBSER. TIME: 0800
LATITUDE: 34d22m
LONGITUDE: 119d20m
ELEV:

2010-2011

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2						0.01						
3				0.58		0.29						
4	0.02					0.02						
5	0.02											
6	0.78		0.55						0.21			
7	0.11											
8		0.17										
9												
10								0.07				
11												
12												
13												
14			0.03									
15			0.03		0.12			0.04				
16	0.02				0.78							
17	0.05		0.10		0.27			0.76				
18	0.08		1.79		0.06			0.34				
19	0.28		5.73		1.78	0.05						
20	0.19	1.21	3.50		0.26	3.07						
21	0.02	0.45	0.47			3.04						
22	0.02		1.47			0.02						
23	0.02		0.77				0.03					
24		0.03				0.38	0.01					
25					0.02	1.46						
26			0.76		2.08							
27					0.03	0.05						
28		0.05										
29			0.51									
30	0.64		0.08									
31				0.21								
Mo Total	2.25	1.91	15.79	0.79	5.40	8.39	0.04	1.21	0.21	0.00	0.00	0.00
Yr Total	2.25	4.16	19.95	20.74	26.14	34.53	34.57	35.78	35.99	35.99	35.99	35.99

Rainfall in inches

VENTURA COUNTY, CALIFORNIA
WATER SURVEY
DAILY RAINFALL RECORD

STATION: Lake Casitas Recreation Area
OBSERVER: CMWD Recreation staff
AUTHORITY: Casitas Municipal Water District
ADDRESS: P.O. Box 37, Oak View, CA 93022
COMPILED: C. Iles

NUMBER: 204
OBSER. TIME: 0800
LATITUDE: 34d25m
LONGITUDE: 119d20m
ELEV: 592

2010-11

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3				0.61		0.21	0.04					
4												
5												
6	0.73		0.55						0.19			
7	0.34											
8		0.27										
9												
10												
11												
12												
13												
14												
15			0.04		0.09							
16			0.02		0.79							
17	0.03		0.22		0.33			0.04	0.02			
18	0.06		1.45		0.07							
19	0.03		4.30		2.10			0.56				
20	0.55	1.07	2.85		0.31	3.58		0.34				
21	0.02	0.55	0.65			3.58						
22			1.18									
23			0.58									
24						0.76	0.04					
25						1.23	0.03					
26			0.67		1.59	0.01						
27					0.04	0.03						
28		0.02										
29			0.52									
30	0.38		0.06									
31				0.29								
Mo Total	2.14	1.91	13.09	0.9	5.32	9.42	0.11	0.94	0.21	0	0	0
Yr Total	2.14	4.05	17.14	18.04	23.36	32.78	32.89	33.83	34.04	34.04	34.04	34.04

Rainfall in inches

 Rain is a two-day average

VENTURA COUNTY, CALIFORNIA
WATER SURVEY
DAILY RAINFALL RECORD

STATION: **Matilija Dam**
 OBSERVER: Unknown
 AUTHORITY: Ventura County Watershed Protection District
 ADDRESS: 800 S. Victoria Ave, Ventura, CA. 93009
 COMPILED: Bill Carey/Hydrologist

NUMBER:
 OBSER. TIME: Unknown
 LATITUDE:
 LONGITUDE:
 ELEV: 1095

2010-2011

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2				0.01		0.01						
3				0.01		0.21	0.04					
4							0.01					
5	0.04											
6	1.33		0.73						0.44			
7	0.46		0.01	0.01								
8		0.2										
9												
10								0.01				
11												
12												
13												
14												
15					0.05			0.14				
16			0.02		0.85							
17			0.72		0.39			0.52				
18	0.03		1.8		0.20			0.48				
19	0.29		5.22		1.94	0.35						
20	0.39	1.74	2.79		0.63	2.72						
21	0.01	1.08	0.33			3.59						
22	0.02		2.52			0.11						
23			0.74				0.06					
24			0.01			0.52						
25						2.9						
26			0.66		2.53	0.01						
27					0.02	0.01						
28		0.01				0.03						
29			0.012									
30	0.31											
31												
Mo Total	2.88	3.03	15.56	0.04	6.61	10.47	0.11	1.15	0.44	0.00	0.00	0.00
Yr Total	2.88	5.91	21.47	21.51	28.12	38.58	38.69	39.84	40.28	40.28	40.28	40.28

Rainfall in inches

Streamflow Gauging Stations

UNITED STATES GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
 STATION NUMBER 11118500 VENTURA R NR VENTURA - DIV. CA SOURCE AGENCY USGS STATE 06 COUNTY 111
 LATITUDE 342108 LONGITUDE 1191827 NAD27 DRAINAGE AREA 188* CONTRIBUTING DRAINAGE AREA DATUM

Discharge, cubic feet per second
 WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
 DAILY MEAN VALUES

PROVISIONAL DATA

SUBJECT TO REVISION

STATION 11118500, Ventura River nr Ventura, CA

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6	4	4	28	24	75	129	44	37	27	19	13
2	6	4	4	32	24	73	110	43	38	25	16	11
3	6	5	4	42	24	74	98	45	40	26	16	11
4	5	5	4	33	24	71	87	45	42	27	16	12
5	5	5	4	29	23	69	77	44	41	27	16	12
6	6	5	4	29	23	69	74	45	43	24	16	10
7	6	5	4	30	23	68	73	45	43	23	17	10
8	5	5	4	28	22	67	72	45	44	22	17	10
9	4	5	4	27	24	62	70	45	41	22	16	10
10	3	5	4	27	24	56	66	44	41	22	16	9
11	4	4	4	27	22	54	64	43	43	24	16	10
12	4	4	4	29	20	54	64	42	40	26	16	11
13	5	4	4	31	21	55	64	42	39	24	15	13
14	5	4	4	27	21	56	62	41	38	23	14	12
15	5	4	4	26	21	56	57	40	36	22	15	11
16	5	4	4	27	32	56	56	41	38	21	17	11
17	5	4	5	27	30	56	56	49	38	20	18	12
18	5	4	29	27	62	58	54	50	36	19	16	10
19	6	4	1090	26	118	60	54	42	36	18	14	10
20	5	5	253	25	82	51	51	41	38	22	13	9
21	4	5	76	26	73	51	51	41	37	22	14	9
22	4	4	1320	26	69	510	50	41	35	19	15	11
23	4	4	235	24	67	312	49	40	31	18	13	10
24	4	4	80	24	66	286	49	39	33	18	12	10
25	4	4	54	25	126	1260	49	39	32	17	11	11
26	5	4	75	24	221	431	48	39	31	18	12	11
27	5	4	41	23	96	320	46	39	31	21	12	9
28	4	4	35	24	80	258	45	39	31	17	11	9
29	4	4	40	23	—	213	45	40	29	16	11	9
30	4	4	34	23	—	180	44	39	29	18	10	9
31	4	—	30	23	—	158	—	38	—	19	11	—
TOTAL	147.0	130.0	3461.0	842.0	1462.0	5117.0	1914.0	1310.0	1111.0	667.0	451.0	315.0
MEAN	4.7	4.3	111.6	27.2	52.2	176.4	63.8	42.3	37.0	21.5	14.5	10.5
MAX	6	5	1320	42	221	1260	129	50	44	27	19	13.0
MIN	3	4	4	23	20	54	44	38	29	16	10	9
AC-FT	292	258	6865	1670	2900	10149	3796	2598	2204	1323	895	625

Data unavailable

STATION: SANTA ANA CREEK STN. NEAR OAK VIEW, CA.
 USGS #: 11117800
 VCFPD # 604
 MAINTAINED BY : CMWD
 DATE INSTALLED: 10/1958

MEAN DAILY DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR 2010-2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY
1	0	0	0	74	46	83	93	87	158	266	34	98	
2	0	0	0	78	46	79	87	83	116	193	23	119	
3	0	0	0	88	46	75	86	72	112	177	26	121	
4	0	0	0	79	47	70	84	63	104	106	58	91	
5	0	0	0	76	46	67	82	52	109	88	44	73	
6	0	0	22	75	47	65	80	56	91	90	56	79	
7	0	0	25	73	48	63	80	50	75	128	39	90	
8	0	0	26	73	47	62	79	45	70	222	45	78	
9	0	0	27	72	48	60	80	45	60	193	82	80	
10	0	0	27	67	46	60	78	42	65	129	254	90	
11	0	0	27	61	45	59	74	41	58	74	241	84	
12	0	0	27	60	45	58	72	42	45	79	249	84	
13	0	0	28	58	45	58	72	45	44	84	477	156	
14	0	0	28	58	45	57	69	46	44	88	503	75	
15	0	0	29	57	45	56	67	47	41	100	516	52	
16	0	0	29	56	52	56	67	44	43	79	595	48	
17	0	0	38	54	47	54	73	53	41	69	548	38	
18	0	0	73	54	62	52	73	60	41	69	534	45	
19	0	0	503	52	97	55	74	67	38	104	337	50	
20	0	0	217	52	84	738	78	65	34	128	246	34	
21	0	0	140	52	70	416	79	58	41	87	311	6	
22	0	0	543	51	67	171	74	53	44	68	308	1	
23	0	0	249	51	65	140	63	52	37	60	340	2	
24	0	0	152	49	59	137	63	68	32	48	225	1	
25	0	0	128	48	80	401	78	69	34	41	193	0	
26	0	0	126	48	158	188	78	65	33	29	173	0	
27	0	0	104	48	104	164	76	58	34	23	142	0	
28	0	0	94	48	90	122	84	68	34	27	108	0	
29	0	0	98	46	---	111	83	104	52	32	83	0	
30	0	0	87	46	---	101	86	138	103	32	69	0	
31	0	---	80	46	---	95	---	158	---	22	---	---	
Total	0.0	0.0	2925.2	1851.1	1729.9	3974.4	2309.2	1996.1	1832.6	2935.2	6857.4	1595.7	28006.8
Mean	0.0	0.0	97.5	59.7	61.8	128.2	77.0	64.4	61.1	94.7	228.6	53.2	76.7
Max.	0.0	0.0	543.2	88.3	158.1	737.5	92.5	158.1	158.1	265.5	595.4	155.9	737.5
Min.	0.0	0.0	0.0	46.3	0.0	52.0	0.0	41.1	0.0	21.8	23.3	0.0	0.0
AC-FT	0.0	0.0	5802.1	3671.7	3431.3	7883.2	4580.3	3959.3	3635.0	5822.0	13601.7	3165.0	55551.4

On 11/15/10 the new gauging station was complete, however the County is still in the process of developing a new rating table
 ***Please note that all values are based on the previous rating table. Values will be updated when new table is created.

STATION: COYOTE CREEK NEAR OAK VIEW, CA.
 USGS #: 11117600
 VCFPD # 602
 MAINTAINED BY : CMWD
 DATE INSTALLED: 10/1958

MEAN DAILY DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR 2010-2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	#DIV/0!	0.0											
Max.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Min.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*** No data available due to technical & access issues at the station

STATION: VENTURA RIVER NEAR MEINERS OAKS, CA

USGS #: 11116550

VCFPD # 607

MAINTAINED BY : CMWD

DATE INSTALLED: 05/1959

MEAN DAILY DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR 2010-2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY
1	0	0	0	20	20	50	39	29	32	24	11	4	
2	0	0	0	21	20	50	33	30	32	24	11	3	
3	0	0	0	21	20	50	32	32	32	23	10	2	
4	0	0	0	20	20	50	31	32	33	23	10	2	
5	0	0	0	20	20	49	30	32	33	22	10	2	
6	0	0	0	20	20	50	31	32	33	22	9	1	
7	0	0	0	20	20	50	31	32	33	22	9	1	
8	0	0	0	20	20	45	33	32	32	21	8	0	
9	0	0	0	20	19	36	31	32	32	21	8	0	
10	0	0	0	20	19	31	31	32	32	20	7	0	
11	0	0	0	20	19	32	31	31	32	20	7	2	
12	0	0	0	20	19	32	32	32	31	19	7	3	
13	0	0	0	19	19	32	31	32	31	19	6	2	
14	0	0	0	19	19	32	30	32	31	19	6	2	
15	0	0	0	19	19	33	31	31	30	18	5	2	
16	0	0	0	19	21	33	30	32	30	18	5	2	
17	0	0	0	19	20	32	28	33	32	17	5	2	
18	0	0	13	20	21	33	31	32	32	17	5	2	
19	0	0	35	20	34	34	31	30	31	17	5	2	
20	0	0	20	20	49	999	31	31	30	16	5	2	
21	0	0	19	20	49	999	31	31	27	16	5	2	
22	0	0	655	19	48	325	30	30	27	15	5	3	
23	0	0	104	18	50	170	32	31	27	15	5	2	
24	0	0	22	19	47	130	30	32	26	15	5	3	
25	0	0	22	19	47	364	30	32	26	14	4	4	
26	0	0	21	19	50	74	31	32	25	14	4	4	
27	0	0	20	19	50	72	30	32	25	13	4	3	
28	0	0	20	19	50	65	30	32	24	13	3	2	
29	0	0	21	19	---	59	30	31	25	12	3	2	
30	0	0	20	18	---	58	30	30	26	12	2	2	
31	0	---	20	19	---	51	---	31	---	12	4	---	
Total	0.0	0.0	1013.6	605.1	832.2	4120.9	930.5	976.3	893.5	551.9	192.6	64.0	10180.7
Mean	0.0	0.0	32.7	19.5	29.7	132.9	31.0	31.5	29.8	17.8	6.2	2.1	27.9
Max.	0.0	0.0	655.4	21.1	50.1	999.0	39.2	33.3	33.2	24.0	11.2	4.2	999.0
Min.	0.0	0.0	0.0	17.9	0.0	31.3	0.0	29.0	0.0	11.6	2.0	0.0	0.0
AC-FT	0.0	0.0	2010.4	1200.3	1650.6	8173.8	1845.7	1936.5	1772.2	1094.8	382.1	126.9	20193.3

Tubing partially plugged values adjusted

STATION: ROBLES-CASITAS CANAL

USGS #: N/A

VCFPD # N/A

MAINTAINED BY : CMWD

DATE INSTALLED: 1958

MEAN DAILY DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR 2010-2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY
1	0	0	0	49	8	19	224	42	6	0	0	0	
2	0	0	0	48	6	18	208	37	5	0	0	0	
3	0	0	0	74	6	22	184	32	3	0	0	0	
4	0	0	0	63	6	18	162	30	0	0	0	0	
5	0	0	0	56	6	13	147	30	5	0	0	0	
6	0	0	0	52	5	9	136	29	18	0	0	0	
7	0	0	0	47	4	8	127	32	9	0	0	0	
8	0	0	0	45	5	12	118	35	7	0	0	0	
9	0	0	0	42	4	17	110	33	5	0	0	0	
10	0	0	0	39	4	18	102	31	1	0	0	0	
11	0	0	0	36	4	16	95	30	4	0	0	0	
12	0	0	0	30	3	15	89	27	7	0	0	0	
13	0	0	0	26	3	13	85	24	5	0	0	0	
14	0	0	0	25	3	11	80	27	1	0	0	0	
15	0	0	0	23	3	10	76	29	0	0	0	0	
16	0	0	0	22	16	9	72	27	0	0	0	0	
17	0	0	0	20	28	7	71	35	0	0	0	0	
18	0	0	7	18	30	7	70	40	0	0	0	0	
19	0	0	311	17	23	10	66	30	0	0	0	0	
20	0	0	313	16	22	108	67	24	0	0	0	0	
21	0	0	172	15	11	382	62	23	0	0	0	0	
22	0	0	326	15	3	399	61	23	0	0	0	0	
23	0	0	335	14	0	314	58	20	0	0	0	0	
24	0	0	189	13	0	286	57	18	0	0	0	0	
25	0	0	132	12	12	419	53	16	0	0	0	0	
26	0	0	117	11	84	444	48	14	0	0	0	0	
27	0	0	87	10	38	363	47	9	0	0	0	0	
28	0	0	73	10	25	345	44	6	0	0	0	0	
29	0	0	73	9	---	298	41	8	0	0	0	0	
30	0	0	62	10	---	262	41	11	0	0	0	0	
31	0	---	55	9	---	244	---	8	---	---	---	---	
Total	0.0	0.0	2251.8	878.4	360.4	4116.5	2802.1	781.0	75.1	0.0	0.0	0.0	11265.3
Mean	0.0	0.0	72.6	28.3	12.9	132.8	93.4	25.2	2.5	0.0	0.0	0.0	30.9
Max.	0.0	0.0	335.5	74.0	83.7	443.9	224.0	41.8	18.3	0.0	0.0	0.0	443.9
Min.	0.0	0.0	0.0	8.8	0.0	6.8	0.0	6.5	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	4466.4	1742.4	714.9	8165.0	5557.9	1549.2	149.0	0.0	0.0	0.0	22344.8

HISTORICAL HYDROLOGY DATA

**Casitas Reservoir Inventory Annual Summary - 1959-Present
(Calendar Year)**

Annual Rainfall - 1958-Present

Monthly Rainfall - 1960-Present

Ambient Air Temperatures - 1960-Present

Robles-Casitas Canal Monthly Diversions - 1959-Present

CASITAS RESERVOIR INVENTORY

ANNUAL SUMMARY

(CALENDAR YEAR - ALL VALUES IN ACRE-FEET)

YEAR	RESERVOIR DATA		INFLOW FOR YEAR			RELEASES FOR YEAR			SPILL FOR YEAR	EVAP FOR YEAR	RAINFALL ON LAKE SURFACE	STORAGE VOLUME				
	(FIRST DAY OF YEAR)		DIRECT	VENTURA	TOTAL	TO	DOWN RIVER	TOTAL				FOR YEAR	FOR YEAR	FOR YEAR	MAXIMUM	MINIMUM
	ELEV ABOVE MSL	STORAGE		RIVER		CONV. SYSTEM									RIVER	FOR YEAR
1959	350.00	0	2305	5,105	7,410	566	72	658	0	728	59	7,022	574			
1960	366.66	5908	1322	24	1,346	1,277	80	1,357	0	1,068	372	6,846	5,201			
1961	363.28	5201	967	33	1,000	1,625	18	1,643	0	819	133	5,201	3,642			
1962	355.46	3870	26428	21,915	48,343	1,988	55	2,043	0	3,505	1,014	51,977	3,845			
1963	477.68	47879	2114	2,939	5,053	4,445	72	4,517	0	3,498	1,664	51,524	46,381			
1964	446.13	46381	1841	354	2,195	6,024	72	6,096	0	3,406	1,293	46,381	38,606			
1965	438.57	40373	15279	21,438	36,717	7,631	72	7,703	0	2,957	2,421	68,851	39,718			
1966	469.42	68851	11941	25,323	37,264	7,162	73	7,235	0	5,030	1,915	95,765	70,068			
1967	490.62	95765	12961	35,172	48,133	8,759	72	8,831	0	6,214	3,840	138,996	108,511			
1968	513.22	132333	1677	1,070	2,747	13,729	74	13,803	0	6,593	2,133	132,549	116,818			
1969	504.25	116818	55379	50,349	105,728	14,040	73	14,113	0	8,413	7,625	216,790	116,418			
1970	548.94	207694	7112	15,859	22,971	16,417	72	16,489	0	9,841	5,395	217,656	207,214			
1971	549.78	207729	3758	10,957	14,715	16,392	24	16,416	0	9,552	3,433	214,692	193,666			
1972	546.52	201908	813	1,718	2,531	17,878	73	17,951	0	8,758	1,706	202,690	179,435			
1973	536.70	179435	22262	39,588	61,850	13,863	33	13,996	0	8,937	4,520	239,330	224,519			
1974	555.75	224519	5240	11,732	16,972	17,400	23	17,423	0	9,394	5,423	238,096	217,063			
1975	553.99	220096	5352	12,988	18,340	15,937	73	16,010	0	8,870	2,813	235,437	216,370			
1976	552.49	216370	3031	3,438	6,469	18,371	104	18,475	0	9,142	3,782	219,324	198,885			
1977	545.29	199003	1590	1,094	2,684	18,035	70	18,105	0	8,821	3,352	200,062	175,359			
1978	536.10	178113	49376	28,695	78,071	12,390	2,677	15,067	1,572	9,622	9,879	255,307	178,025			
1979	561.68	239802	7584	8,845	16,429	13,072	32	13,104	1,193	9,963	5,395	255,116	237,183			
1980	560.75	237365	28923	2,717	31,640	16,283	73	16,356	16,855	9,900	7,393	260,034	233,286			
1981	559.18	233286	3112	5,772	8,884	20,242	73	20,315	0	9,412	4,002	240,222	216,395			
1982	552.52	216444	5206	9,933	15,139	14,739	73	14,812	0	8,339	5,645	223,208	206,564			
1983	551.56	214078	44548	22,131	66,679	15,757	73	15,830	17,877	8,844	11,699	259,264	213,562			
1984	565.49	249931	2878	2,087	4,965	23,007	73	23,080	0	10,637	2,924	249,958	220,748			
1985	555.15	223006	4220	3,014	7,234	20,219	73	20,292	0	9,149	2,637	223,208	196,404			
1986	545.97	200605	18711	39316	58027	17797	73	17870	742	9700	5589	254926	200,556			
1987	560.16	235828	-988	1614	626	21775	73	21648	0	9117	3142	236093	208,711			
1988	549.35	208687	1431	9154	10585	21974	73	22047	0	9005	3715	216543	191,890			
1989	542.25	191936	1086	524	1610	26180	73	26253	0	9910	1399	192259	159,729			
1990	527.43	159688	-1115	0	-1115	21494	73	21567	0	8353	1447	159688	130,141			
1991	511.99	130141	12114	17620	29734	15416	73	15489	0	7481	4496	156765	127,786			
1992	518.58	142203	20483	44202	64619	12042	73	12114	0	8704	5620	201197	142,203			
1993	542.12	191637	43435	34885	78119	11990	73	12063	13395	10054	7849	258362	191,637			
1994	562.58	242177	1806	3504	5310	16345	73	16418	0	10347	3458	245810	224,141			
1995	555.60	224141	52239	1323	53562	11621	72	11693	27499	10287	10895	262625	239,122			
1996	561.42	239122	6883	5371	12254	15902	23	15925	0	10489	6897	244346	224,698			
1997	558.63	239122	11745	11896	23640	20482	0	20482	0	11062	4304	248616	223,132			
1998	557.06	227839	51727	6338	58065	13411	0	13411	34907	9503	12632	267542	227,743			
1999	561.85	240250	1313	0	1313	20121	0	20121	0	10224	2295	240205	213,513			
2000	551.33	213513	13541	4483	18023	21506	0	21506	0	9801	5134	227132	205,434			
2001	548.00	205434	7055	15325	22380	17809	0	17809	0	8379	6693	242359	204,837			
2002	555.22	223183	-403	0	1567	22092	0	22092	0	8286	2718	223183	194,359			
2003	543.65	195172	4228	792	2681	16571	0	16571	0	7985	3583	197199	178,563			
2004	536.62	179219	6578	3075	13097	20214	0	20214	0	7783	4897	182113	157,595			
2005	531.96	169160	53115	26906	79906	17673	0	17673	0	7242	7798	250736	169,160			
2006	558.52	231585	9382	12070	22191	17253	0	17253	0	7649	5534	252651	231,565			
2007	559.05	232950	-1450	0	-386	21326	0	21326	0	8571	2253	232950	203,810			
2008	547.33	203834	15470	9916	26462	18325	0	18325	0	8753	5538	231071	203,595			
2009	548.89	207574	428	498	926	17259	0	17259	0	8025	3646	207719	185,543			
2010	539.58	185858	14646	8708	23355	14637	0	14637	0	8025	3646	267542	157,595			
2011	544.37	198849	1258	17847	28911	14841	0	14841	0	7590	4272	221751	184,671			
2012																
2013																
2014																
2015																
2016																
2017																
2018																
2019																
2020																
AVG	525.03	176031	12716	11688	24660	15159	96	15255	2152	7978	4376	197677	167106			
MAX	565.49	249931	55379	50349	105728	26180	2677	26253	34907	11062	12632	267542	239122			
MIN	350	0	-1450	0	-1115	586	0	658	0	728	59	5201	574			

*Total water supply delivered to Casitas System during 1991 includes 1240 a.f. state project water into system and 450 a.f. delivered to Santa Barbara out of system.

**HISTORICAL RAINFALL
CASITAS MUNICIPAL WATER DISTRICT**

WATER YEAR	CASITAS DAM	CASITAS RECREATION	MATILJA DAM	YEARLY MEAN
1958-59	10.22	11.84	16.62	12.89
59-60	15.79	14.70	14.45	14.98
1960-61	8.77	8.42	13.24	10.14
61-62	37.75	33.96	39.21	36.97
62-63	18.70	17.54	20.07	18.77
63-64	13.62	12.04	16.13	13.93
64-65	23.26	22.77	22.83	22.95
65-66	25.23	25.23	30.30	26.92
66-67	34.43	32.30	44.78	37.17
67-68	16.61	16.44	15.20	16.08
68-69	46.57	47.55	69.94	54.69
69-70	16.70	16.52	18.98	17.40
1970-71	19.72	19.71	22.65	20.69
71-72	11.94	13.72	15.49	13.72
72-73	34.79	34.56	45.91	38.42
73-74	19.95	18.43	22.16	20.18
74-75	23.83	24.05	26.83	24.90
75-76	17.90	17.23	20.85	18.66
76-77	12.90	11.98	13.75	12.88
77-78	49.05	49.66	63.04	53.92
78-79	25.80	25.64	28.66	26.70
79-80	34.06	35.15	42.43	37.21
1980-81	16.24	16.99	21.88	18.37
81-82	19.35	20.34	25.35	21.68
82-83	51.14	48.22	58.65	52.67
83-84	17.91	16.63	19.34	17.96
84-85	17.30	15.93	19.00	17.41
85-86	33.49	32.20	41.32	35.67
86-87	10.86	9.83	11.44	10.71
87-88	18.62	18.40	21.58	19.53
88-89	11.73	11.85	13.65	12.41
89-90	9.46	8.86	12.48	10.27
1990-91	24.43	23.59	26.01	24.68
91-92	29.75	28.53	34.27	30.85
92-93	41.20	43.31	60.38	48.30
93-94	16.08	14.69	16.27	15.68
94-95	49.84	49.04	58.17	52.35
95-96	18.8	16.91	22.78	19.50
96-97	24.37	25.27	27.8	25.81
97-98	59.54	58.78	64.27	60.86
98-99	12.68	10.67	12.56	11.97
99-00	24.35	21.94	26.79	24.36
2000-01	29.36	27.86	33.45	30.22
01-02	9.28	8.77	10.10	9.38
02-03	24.83	23.69	30.58	26.37
03-04	17.03	14.33	18.84	16.73
04-05	54.66	51.28	74.44	60.13
05-06	26.52	25.84	34.58	28.98
06-07	8.60	7.15	9.23	8.33
07-08	26.19	24.58	33.62	28.13
08-09	14.82	12.91	16.56	14.76
09-10	31.13	28.48	36.54	32.05
10-11	35.99	34.04	40.28	36.77
AVERAGE	24.59	23.78	29.35	25.91
MAXIMUM	59.54	58.78	74.44	60.86
MINIMUM	8.60	7.15	9.23	8.33

*RAINFALL IN INCHES, WATER YEAR OCTOBER 1 THRU SEPTEMBER 30
BOLD NUMBERS INDICATE RECORD MAX/MIN RAINFALL AMOUNTS FOR THE PERIOD

NOTE: Matilija Dam Rainfall records after 2005-06 season obtained from the Ventura County Watershed Protection District

HISTORICAL MONTHLY RAINFALL
LAKE CASITAS RECREATION AREA (STA #204)
(WATER YEAR)

W. YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1960	0.00	0.00	1.25	5.40	4.29	0.78	2.98	0.00	0.00	0.00	0.00	0.00	14.70
1961	0.00	5.08	0.48	1.90	0.00	0.63	0.23	0.06	0.00	0.00	0.00	0.04	8.42
1962	0.00	5.47	1.78	2.56	22.65	1.45	0.00	0.05	0.00	0.00	0.00	0.00	33.96
1963	0.49	0.01	0.05	1.35	6.85	3.59	2.61	0.39	0.51	0.00	0.00	1.69	17.54
1964	0.48	4.57	0.00	2.53	0.00	1.84	2.17	0.11	0.13	0.00	0.21	0.00	12.04
1965	0.84	3.39	8.33	0.67	0.38	1.59	7.29	0.01	0.01	0.00	0.00	0.26	22.77
1966	0.00	14.19	7.07	2.51	1.11	0.04	0.00	0.10	0.00	0.00	0.00	0.21	25.23
1967	0.02	4.80	9.71	7.80	0.27	3.53	5.82	0.00	0.00	0.00	0.00	0.35	32.30
1968	0.00	5.03	1.15	1.53	1.51	4.76	1.13	0.00	0.00	0.00	0.00	0.00	15.11
1969	1.23	0.91	2.62	26.58	12.81	1.26	2.01	0.01	0.00	0.12	0.00	0.00	47.55
1970	0.00	3.52	0.19	3.68	3.70	5.43	0.00	0.00	0.00	0.00	0.00	0.00	16.52
1971	0.00	6.36	6.94	1.51	0.00	0.71	0.55	0.03	0.00	0.00	0.00	0.00	16.10
1972	0.15	0.62	11.02	0.33	0.58	0.00	0.16	0.00	0.02	0.00	0.00	0.14	13.02
1973	0.13	6.75	1.20	9.14	14.17	3.16	0.00	0.00	0.00	0.00	0.00	0.00	34.55
1974	0.65	1.94	1.43	9.40	0.00	4.82	0.09	0.00	0.00	0.00	0.00	0.00	18.33
1975	0.67	0.12	10.26	0.00	4.96	6.50	1.54	0.00	0.00	0.00	0.00	0.00	24.05
1976	0.23	0.00	0.13	0.00	6.43	2.10	0.71	0.00	0.25	0.00	0.06	7.32	17.23
1977	0.01	0.63	0.71	4.96	0.25	2.27	0.00	2.76	0.00	0.00	0.39	0.00	11.98
1978	0.02	0.09	6.57	11.35	13.04	14.71	2.53	0.00	0.00	0.00	0.00	1.35	49.66
1979	0.00	2.57	2.48	6.00	5.90	7.83	0.00	0.00	0.00	0.00	0.00	0.86	25.64
1980	0.64	0.95	1.96	9.56	16.93	4.04	0.75	0.32	0.00	0.00	0.00	0.00	35.15
1981	0.00	0.00	2.21	4.59	2.15	7.45	0.59	0.00	0.00	0.00	0.00	0.00	16.99
1982	0.67	2.64	0.78	4.20	0.90	6.85	2.81	0.00	0.00	0.00	0.00	1.49	20.34
1983	0.71	5.87	4.60	12.59	8.48	9.13	4.86	0.18	0.00	0.00	1.18	0.62	48.22
1984	4.88	5.57	5.14	0.09	0.00	0.55	0.05	0.00	0.00	0.00	0.08	1.06	17.42
1985	0.41	4.21	6.91	1.42	1.71	1.62	0.02	0.00	0.00	0.00	0.00	0.00	16.30
1986	0.55	6.28	1.15	3.97	11.09	6.26	1.74	0.00	0.00	0.00	0.00	1.25	32.29
1987	0.00	1.66	0.49	2.16	2.06	3.32	0.12	0.00	0.03	0.00	0.00	0.00	9.84
1988	1.52	1.14	4.10	3.53	2.63	1.75	3.08	0.00	0.00	0.00	0.00	0.07	17.82
1989	0.00	1.18	3.91	0.48	4.74	0.87	0.34	0.22	0.00	0.00	0.00	0.11	11.85
1990	0.61	0.47	0.00	3.67	2.92	0.01	0.18	0.93	0.03	0.00	0.00	0.04	8.86
1991	0.00	0.36	0.00	2.03	3.85	17.19	0.00	0.00	0.16	0.00	0.00	0.00	23.59
1992	0.62	0.25	4.52	2.90	13.83	5.79	0.05	0.32	0.00	0.25	0.00	0.00	28.53
1993	1.53	0.00	7.58	14.97	11.88	6.22	0.00	0.19	0.94	0.00	0.00	0.00	43.31
1994	0.08	1.27	1.69	0.69	8.14	2.02	0.48	0.27	0.00	0.00	0.00	0.05	14.69
1995	0.69	1.48	0.96	27.61	2.29	14.03	0.29	1.29	0.40	0.00	0.00	0.00	49.04
1996	0.11	2.49	1.92	9.37	1.54	1.03	0.45	0.00	0.00	0.00	0.00	0.00	16.91
1997	4.06	2.92	7.99	10.21	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.27
1998	0.00	3.59	8.32	4.59	30.12	6.54	2.19	3.21	0.06	0.00	0.00	0.16	58.78
1999	0.00	1.27	0.84	2.74	0.81	2.38	2.19	0.00	0.17	0.00	0.00	0.27	10.67
1999/00	0.00	1.00	0.00	2.34	11.96	3.24	3.28	0.00	0.00	0.00	0.00	0.12	21.94
2000/01	2.75	0.00	0.03	8.48	7.02	8.02	1.56	0.00	0.00	0.00	0.00	0.00	27.86
2001/02	0.41	4.37	1.60	1.10	0.36	0.53	0.08	0.23	0.00	0.00	0.00	0.02	8.70
2002/03	0.00	5.63	5.10	0.00	3.97	4.98	1.27	2.74	0.00	0.00	0.00	0.00	23.69
2003/04	0.05	2.68	2.13	0.79	8.08	0.60	0.00	0.00	0.00	0.00	0.00	0.00	14.33
2004/05	7.09	0.02	10.37	17.30	10.22	4.47	0.90	0.60	0.00	0.00	0.00	0.31	51.28
2005/06	0.97	0.87	0.79	4.93	3.73	4.87	8.21	1.47	0.00	0.00	0.00	0.00	25.84
2006/07	0.22	0.10	1.03	2.68	1.66	0.10	1.01	0.00	0.00	0.00	0.00	0.35	7.15
2007/08	0.46	0.04	3.40	17.93	2.49	0.00	0.09	0.06	0.00	0.00	0.11	0.00	24.58
2008/09	0.16	3.19	2.64	0.43	5.43	0.84	0.19	0.00	0.00	0.00	0.00	0.00	12.88
2009/10	6.91	0.00	4.33	8.71	5.47	0.37	2.39	0.30	0.00	0.00	0.00	0.00	28.48
2010/11	2.14	1.91	13.09	0.90	5.32	9.42	0.11	0.94	0.21	0.00	0.00	0.00	34.04
2011/12													
AVG	0.83	2.49	3.52	5.50	5.59	3.87	1.33	0.32	0.06	0.01	0.04	0.35	23.91
MAX	7.09	14.19	13.09	27.61	30.12	17.19	8.21	3.21	0.94	0.25	1.18	7.32	58.78
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.15

HISTORICAL TEMPERATURES
CMWD CASITAS RECREATION AREA WEATHER STATION
 (degrees F.)

YEAR	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	max	min	avg	max	min	avg	max	min	avg	max	min	avg	max	min	avg	max	min	avg	max	min	avg	max	min	avg	max	min	avg	max	min	avg	max	min	avg	max	min	avg
1960	75	22	48	73	29	51	84	34	56	89	33	59	92	35	62	99	43	66	107	46	72	98	44	69	107	41	71	92	35	62	84	33	56	81	27	52
1961	89	26	54	85	30	54	83	31	54	100	39	59	87	37	58	112	41	62	103	49	72	100	48	72	102	44	66	106	35	64	91	30	55	80	31	51
1962	88	24	50	75	25	50	79	28	50	92	34	60	87	39	58	94	43	63	95	45	67	101	45	72	99	43	68	96	40	61	87	31	57	84	19	53
1963	78	16	48	88	37	58	85	29	52	78	33	53	84	39	58	89	42	62	95	46	69	99	46	70	107	52	74	89	41	64	88	31	56	82	27	53
1964	80	25	49	82	27	50	82	27	49	83	32	54	82	34	57	10	42	62	97	46	70	94	46	69	98	41	66	100	43	62	85	27	54	75	25	52
1965	82	28	52	84	25	51	77	31	52	89	30	54	92	28	58	91	38	58	96	41	66	102	47	71	93	40	62	97	37	61	84	33	56	83	26	50
1966	80	26	49	76	28	48	95	27	55	92	37	59	85	41	60	96	42	65	93	41	68	94	50	72	97	42	62	96	37	64	95	32	56	79	25	52
1967	79	25	50	82	28	53	80	30	52	69	32	54	96	36	60	87	38	60	92	49	70	105	54	75	96	50	70	97	41	65	91	33	60	79	25	49
1968	80	25	50	85	35	56	84	32	56	86	31	57	99	34	60	93	35	62	95	36	72	96	42	62	98	38	62	96	40	62	87	27	56	87	21	48
1969	84	26	50	67	29	49	85	28	52	81	31	56	86	38	60	90	45	61	92	46	68	101	43	71	92	41	62	87	32	59	88	31	58	79	23	52
1970	68	20	52	76	32	50	79	31	56	87	30	47	96	35	60	97	44	67	100	48	71	102	42	69	102	42	66	99	34	62	86	33	55	76	29	49
1971	90	24	51	87	28	52	85	25	52	88	33	54	81	38	56	88	40	62	95	48	68	98	49	72	109	42	68	99	26	60	96	30	44	68	22	46
1972	77	24	43	82	26	54	90	30	58	85	30	58	96	31	62	93	38	65	100	40	71	103	44	71	95	32	67	92	33	60	83	33	55	80	23	51
1973	80	20	47	75	32	53	69	30	50	79	35	56	96	38	61	101	42	68	94	48	67	96	44	69	95	40	64	92	40	63	81	31	53	81	28	53
1974	75	23	49	79	28	51	78	32	54	87	35	56	97	35	58	96	41	65	95	48	70	99	46	68	95	45	68	97	41	60	90	30	56	79	24	49
1975	86	24	52	77	29	51	74	31	53	78	30	52	85	35	58	83	44	62	95	45	68	96	42	68	100	47	70	95	35	61	85	27	54	83	25	53
1976	87	21	53	79	32	51	82	28	54	86	35	54	94	43	61	104	42	67	96	49	67	102	49	67	92	50	69	94	36	63	95	28	59	82	27	52
1977	82	23	51	86	32	5	78	28	50	84	32	57	81	39	57	85	39	63	100	47	69	94	49	70	96	44	65	90	38	62	92	31	58	78	33	56
1978	74	28	51	88	30	54	88	37	57	75	33	55	99	40	63	90	42	66	109	48	69	96	47	67	109	41	69	96	42	65	86	29	53	76	22	49
1979	69	26	48	76	28	50	84	35	54	79	35	57	95	40	60	102	44	66	98	45	69	99	48	68	105	44	72	90	37	63	82	25	56	87	25	54
1980	76	31	54	82	30	56	76	34	54	91	36	58	89	34	58	95	42	65	110	49	73	96	49	70	104	36	66	104	37	64	90	28	58	89	30	56
1981	82	33	56	88	30	57	79	36	55	94	36	59	88	40	62	102	42	72	93	49	71	102	47	73	95	48	68	93	34	60	89	34	58	84	25	54
1982	80	26	51	83	31	56	76	32	52	85	31	57	83	38	60	87	42	61	95	47	70	104	48	72	106	46	69	94	36	63	84	34	56	75	28	52
1983	90	29	55	79	32	55	82	31	55	79	32	55	89	21	59	86	39	64	96	43	68	99	40	73	103	41	72	93	33	62	86	NA	NA	75	NA	67
1984	80	30	53	80	28	52	81	34	56	86	34	57	100	40	65	94	48	65	96	52	73	94	52	72	101	50	74	90	37	60	78	30	53	71	28	50
1985	72	27	48	85	25	51	80	30	51	87	38	58	85	38	57	98	42	66	105	33	73	100	50	69	91	42	65	96	42	61	84	30	53	84	26	53
1986	84	33	57	85	30	55	82	38	57	87	35	57	88	39	59	88	49	65	89	50	68	94	53	71	87	42	61	88	38	61	86	33	59	76	28	52
1987	75	22	48	80	28	52	78	31	53	88	34	60	91	40	63	89	48	65	91	47	63	94	44	68	101	45	68	102	48	66	83	28	55	74	20	47
1988	80	26	50	80	28	54	93	30	57	89	34	58	94	36	61	87	40	64	91	52	70	92	49	68	104	44	66	96	41	63	86	26	55	82	26	50
1989	80	24	48	80	27	50	82	30	56	96	36	61	86	40	59	94	46	64	102	38	69	90	46	67	102	45	67	95	34	61	91	27	58	90	27	51
1990	84	24	50	81	20	50	86	31	54	86	39	59	98	37	58	110	41	67	98	48	71	96	44	69	99	46	68	92	38	62	89	25	56	82	8	45
1991	78	24	49	82	29	56	80	28	49	84	32	56	90	33	57	90	40	61	95	46	66	96	44	67	90	44	68	101	30	65	90	30	57	78	22	50
1992	80	24	50	82	30	53	76	32	53	90	36	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	98	50	73	NA	NA	NA	97	44	64	87	31	57	74	23	48
1993	79	24	49	78	31	50	81	32	56	84	38	59	NA	NA	NA	102	40	66	95	50	66	90	50	70	100	46	70	97	42	66	90	34	58	85	30	54
1994	89	32	56	82	30	52	87	35	59	82	39	59	86	43	61	100	48	68	96	52	70	100	53	75	92	46	70	95	40	64	88	30	55	85	28	54
1995	78	33	53	92	40	61	78	34	56	87	40	60	83	40	61	91	39	65	104	51	71	97	50	75	100	48	71	NA	NA	NA	87	42	62	84	36	56
1996	90	29	55	NA	NA	NA	84	33	57	92	41	62	92	46	64	96	48	67	97	54	73	99	52	74	92	49	69	99	38	64	95	38	60	71	43	57
1997	82	32	54	86	34	57	94	34	59	92	36	61	94	46	68	82	52	67	91	42	69	102	55	74	99	52	75	NA	NA	NA	100	41	60	84	29	54
1998	83	31	54	72	37	51	83	35	56	84	36	55	77	38	58	81	40	61	94	43	69	105	44	75	105	45	68	89	40	62	81	35	56	85	22	52
1999	81	30	55	78	27	53	81	33	52	32	88	56	38	86	58	86	42	63	97	50	69	100	49	69	100	44	65	100	43	68	90	34	58	83	31	55
2000	79	30	54	79	35	53	81	35	55	84	39	59	99	40	64	91	48	68	96	48	69	98	51	72	104	47	67	88	41	61	86	30	54	81	31	55
2001	82	28	49	89	30	49	82	35	56	78	36	55	90	42	64	92	48	67	89	50	69	95	51	70	96	46	68	99	43	64	80	32	59	81	31	52
2002	81	24	50	72	35	54	80	30	53	90	38	61	90	43	64	94	49	69	96	48	68	96	48	68	101	44	72	97	40	61	89	38	59	71	29	51
2003	84	32	57	81	28	52	87	31	55	86	31	53	92	39	60	62	38	61	96	43	72	98	50	71	99	38	69	99	43	67	82	28	53	78	24	51
2004	78	28	49	71	29	49	90	35	59	99	31	56	99	41	62	86																				

HISTORICAL TEMPERATURES
 CMWD CASITAS DAM WEATHER STATION
 (degrees F.)

YEAR	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	max	min	avg	max	min	avg	max	min	avg	max	min	avg	max	min	avg	max	min	avg	max	min	avg	max	min	avg	max	min	avg	max	min	avg	max	min	avg			
1960	77	24	48	75	29	52	85	35	56	90	37	59	88	35	61	93	45	63	106	46	69	95	44	66	102	44	69	93	37	62	82	31	55	83	25	51
1961	88	26	54	85	30	54	84	31	54	99	33	52	88	35	57	104	40	62	97	47	68	95	39	68	99	37	65	103	37	62	90	31	55	81	30	52
1962	89	25	52	74	31	50	80	29	50	91	37	60	90	38	57	82	42	62	89	47	65	92	47	68	100	45	65	93	41	62	89	32	56	87	22	54
1963	78	16	50	90	39	60	84	30	54	83	33	54	78	39	60	85	42	62	87	45	66	91	44	68	109	48	72	90	43	65	88	33	58	85	30	54
1964	82	28	50	82	29	50	85	32	50	94	34	66	84	35	66	87	42	61	94	45	67	95	48	62	100	44	66	99	44	66	88	28	54	77	28	53
1965	82	29	54	85	29	68	81	35	54	92	31	57	88	37	59	83	40	61	90	47	65	103	49	70	95	45	65	99	40	66	83	34	58	80	28	51
1966	79	28	50	78	30	48	88	29	56	96	38	60	81	43	60	88	42	65	89	46	66	94	49	70	98	44	68	98	39	66	96	34	58	78	27	53
1967	81	29	52	86	30	55	79	31	54	71	33	50	98	37	61	88	39	61	93	52	68	108	54	74	98	51	70	98	40	65	88	33	60	80	26	50
1968	82	27	51	84	36	57	90	35	58	85	34	56	102	37	60	88	42	62	97	48	68	90	46	65	102	40	67	85	32	58	98	42	64	81	20	49
1969	86	28	52	71	30	49	86	31	53	83	36	58	87	42	60	90	42	62	90	49	67	104	47	70	96	48	67	91	37	62	91	33	58	80	24	54
1970	70	24	53	81	34	51	81	33	58	87	32	55	99	37	61	100	45	64	103	48	68	97	48	68	102	43	65	102	35	61	82	35	58	78	30	50
1971	87	23	52	91	30	53	80	24	54	90	35	55	85	38	57	91	39	62	99	48	68	98	50	72	111	41	68	103	25	60	89	31	54	71	24	46
1972	78	23	49	81	25	53	92	30	57	84	31	56	97	37	61	90	45	63	104	47	70	106	48	70	99	43	67	96	30	61	85	32	55	81	22	49
1973	79	24	48	75	33	53	73	31	51	81	36	56	94	39	61	104	42	66	96	44	66	98	46	67	99	45	64	96	39	63	81	31	54	82	30	53
1974	75	24	49	81	30	51	78	32	53	85	35	57	97	34	58	98	46	64	94	46	69	84	45	66	98	46	67	103	39	62	92	31	56	79	23	51
1975	86	31	52	79	27	51	74	31	52	79	32	52	78	35	58	88	42	61	91	45	66	94	45	66	104	46	66	98	35	72	92	25	55	80	23	52
1976	90	23	54	86	31	53	85	29	55	89	33	54	89	42	60	104	43	66	90	48	68	102	47	68	92	50	68	97	37	65	97	26	60	83	29	53
1977	80	29	52	88	30	56	80	29	51	87	34	58	77	37	57	89	43	64	104	44	68	90	49	70	94	43	66	92	38	62	94	32	61	83	32	56
1978	76	29	54	82	31	53	88	35	57	78	34	55	99	39	64	92	46	66	106	45	67	94	46	68	108	43	70	92	43	65	92	30	54	77	20	49
1979	70	24	49	77	28	55	86	32	55	81	34	58	97	38	62	104	44	67	99	46	67	92	44	68	109	47	72	86	38	64	84	27	57	89	26	55
1980	79	30	55	84	32	57	80	29	54	86	36	58	82	36	58	97	42	64	94	47	68	95	48	69	95	44	64	95	36	64	88	29	57	88	31	56
1981	82	32	55	88	29	56	80	35	54	94	36	59	87	41	62	105	50	70	99	47	70	104	47	70	95	45	67	95	32	60	91	33	58	81	32	55
1982	78	26	50	85	33	56	76	31	53	85	32	57	80	41	60	78	40	61	94	47	68	102	47	70	101	41	67	95	41	64	85	32	55	74	27	51
1983	89	28	54	81	32	54	85	35	56	85	34	56	92	39	62	82	47	64	101	48	70	105	49	74	106	51	73	97	45	68	90	29	57	76	29	53
1984	84	31	56	83	31	55	88	35	59	94	34	59	105	41	67	94	46	60	98	52	74	96	53	74	108	51	77	91	39	63	82	32	55	74	29	51
1985	76	28	51	88	26	54	84	31	55	91	40	61	85	38	57	98	44	67	105	52	73	101	49	71	94	40	68	99	34	65	88	30	55	82	25	55
1986	85	35	57	90	31	57	88	38	58	92	38	59	88	41	61	92	47	65	89	49	68	103	50	70	86	41	63	92	40	63	89	36	61	80	32	54
1987	82	24	50	82	29	54	81	30	56	93	38	62	92	42	64	91	47	65	92	46	68	101	47	69	101	49	69	107	49	68	87	31	57	80	24	50
1988	82	29	53	87	30	57	97	33	60	92	38	59	96	39	62	91	40	64	93	51	71	92	48	69	106	46	67	102	42	65	88	31	57	86	26	52
1989	84	26	51	86	28	51	89	32	59	103	38	63	84	40	61	99	46	66	100	50	70	93	48	68	100	46	68	95	35	62	94	29	60	87	28	55
1990	84	27	52	84	23	52	91	39	56	89	42	61	102	39	61	106	45	68	104	50	73	96	49	71	97	50	69	96	42	65	94	30	60	85	15	50
1991	83	28	54	85	35	58	77	31	52	88	37	59	91	40	59	83	44	62	85	50	67	96	48	68	95	48	69	105	36	66	93	33	80	79	28	53
1992	84	31	54	87	35	57	81	39	57	91	44	64	81	49	65	87	45	66	97	49	71	101	50	73	98	50	69	95	46	65	90	34	59	78	27	50
1993	80	28	52	76	36	52	85	36	59	89	41	61	92	40	63	94	43	67	89	52	68	93	52	70	103	45	68	100	44	65	95	32	57	81	29	52
1994	86	30	54	79	29	52	89	36	58	89	40	59	84	43	61	102	48	68	96	52	68	102	51	73	95	46	69	97	39	63	82	28	52	78	26	52
1995	83	32	53	91	41	61	82	36	58	89	38	59	78	40	59	90	43	65	106	50	70	103	47	71	101	46	70	97	40	65	88	40	61	81	34	56
1996	86	28	54	87	30	57	84	34	58	94	40	63	89	44	64	102	47	67	103	52	71	101	50	72	93	47	69	84	34	62	93	34	59	75	33	54
1997	80	33	54	87	35	56	95	33	60	94	36	61	98	45	68	84	50	67	99	50	70	110	51	74	104	50	75	102	37	66	100	40	60	81	26	52
1998	76	29	54	75	35	52	85	33	57	86	36	57	80	43	60	82	46	65	96	51	71	108	51	75	106	48	69	93	38	63	82	35	56	84	23	51
1999	81	30	54	83	29	55	82	34	54	93	30	57	89	40	61	84	42	67	95	48	71	98	47	69	103	43	67	100	43	68	88	33	59	85	31	56
2000	79	28	55	81	36	54	84	34	57	89	40	62	90	43	65	91	46	69	104	49	70	97	52	72	103	45	71	89	40	62	81	30	53	81	30	55
2001	67	35	51	64	39	52	71	46	58	71	44	57	77	55	66	82	54	68	82	56	69	85	55	70	85	54	70	79	51	65	69	46	58	65	37	51
2002	80	28	51	90	27	56	84	31	55	87	38	58	94	40	61	90	45	66	98	51	70	93	49	69	109	46	70	99	41	61	91	39	58	72	33	52
2003	91	34	59	76	30	54	90	36	59	87	37	63	95	43	62	87	49	65	97	50	73	101	37	74	101	50	69	100	45	68	83	30	55	76	27	51
2004	79	25	52	75	31	52	94	37	63	102																										

ROBLES-CASITAS CANAL MONTHLY DIVERSIONS

YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		TOTAL		Avg. Rain	
	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.		
1959	26	374	21	3645	23	928	3	158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	5105	12.89
1960	0	0	2	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	24	14.98
1961	1	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	23	2	32	10.14
1962	0	0	20	13564	31	6882	30	1438	5	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	21915	36.97
1963	0	0	23	2043	11	896	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	2939	18.77
1964	2	10	0	0	0	0	1	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	176	5	354	13.93	
1965	0	0	0	0	0	0	29	4955	4	79	0	0	0	0	0	0	0	0	0	0	14	11676	28	4729	75	21439	22.95	
1966	31	11440	28	3754	12	416	0	0	0	0	0	0	0	0	0	0	0	0	3	821	2	108	28	8782	104	25323	26.92	
1967	20	6284	16	1170	23	5023	30	10488	31	8909	30	1571	15	478	0	0	0	0	4	454	9	291	18	504	196	35172	37.17	
1968	0	0	1	16	24	339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	715	0	0	29	1070	16.08	
1969	7	4924	20	11902	31	16623	30	8654	31	2685	30	1507	31	2710	5	360	0	0	0	0	5	78	10	908	200	50349	54.69	
1970	13	312	14	988	31	7347	11	404	0	0	0	0	0	0	0	0	3	365	0	0	1	575	19	5868	92	15859	17.40	
1971	31	3460	24	2011	3	24	0	0	0	0	9	861	0	0	0	0	0	0	0	4	550	7	4051	78	10957	20.69		
1972	20	1093	0	0	0	0	0	0	0	0	0	0	0	0	0	4	620	0	0	1	5	0	0	25	1718	13.72		
1973	15	3445	28	15331	31	14219	30	4274	23	1435	0	0	0	0	0	0	0	0	0	0	5	884	0	0	132	39588	38.42	
1974	23	6431	8	501	19	2437	4	539	0	0	0	0	0	0	0	0	0	0	0	3	397	3	1427	60	11732	20.18		
1975	0	0	7	1090	21	8876	17	1826	3	686	0	0	0	0	0	0	0	0	0	0	3	510	0	0	51	12988	24.90	
1976	0	0	9	2855	0	0	0	0	0	0	0	0	0	0	0	2	583	0	0	0	0	0	0	0	11	3438	18.66	
1977	0	0	0	0	0	0	0	0	1	50	0	0	0	0	0	0	0	0	0	0	0	4	1044	5	1094	12.86		
1978	24	7290	28	13204	17	7034	0	0	0	0	4	1167	0	0	0	0	0	0	0	0	0	0	0	0	73	28695	53.92	
1979	0	0	26	4712	16	1796	0	0	3	670	0	0	5	1667	0	0	0	0	0	0	0	0	0	0	0	50	8845	26.70
1980	20	1456	15	1127	2	134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	2717	37.21	
1981	4	203	0	0	31	5018	2	551	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	5772	18.37
1982	3	599	0	0	11	1492	25	3582	28	494	15	74	0	0	0	0	0	0	0	0	7	657	14	3035	103	9933	21.68	
1983	10	8994	28	8791	0	0	0	0	0	0	17	1138	20	1430	4	218	11	536	0	0	0	0	14	1024	104	22131	52.67	
1984	0	0	8	1130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	957	17	2067	17.96	
1985	3	528	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1522	9	964	19	3015	17.41	
1986	2	1385	28	14926	31	14415	30	5430	22	1418	27	1742	0	0	0	0	0	0	0	0	0	0	0	0	140	39316	35.67	
1987	0	0	0	0	10	1034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	580	12	1614	10.71		
1988	10	1368	4	1533	15	4725	11	885	3	643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	9154	19.53	
1989	0	0	7	524	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	524	12.41	
1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.27
1991	0	0	1	367	18	11776	30	4186	12	925	0	0	0	0	0	0	0	0	0	0	0	2	366	63	17620	24.68		
1992	5	1026	23	14826	31	15898	30	7228	31	2460	9	413	0	0	4	504	0	0	0	0	0	6	1847	139	44202	30.85		
1993	27	21012	16	10886	0	0	0	0	7	963	5	1039	4	785	0	0	0	0	0	0	0	0	0	0	59	34685	48.30	
1994	0	0	13	1645	7	932	0	0	6	927	0	0	0	0	0	0	0	0	0	0	0	0	0	26	3504	15.68		
1995	3	1323	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1323	52.35		
1996	0	0	0	0	6	1291	0	0	4	371	0	0	0	0	0	0	0	0	0	0	2	354	9	3355	21	5371	19.50	
1997	18	7134	6	1843	4	917	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2002	32	11896	25.81		
1998	5	1366	6	4972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	6338	60.86		
1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11.97
2000	0	0	4	1459	10	3023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	4482	24.36		
2001	2	451	13	2140	28	11695	13	1039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	15325	30.22		
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.38
2003	0	0	0	0	5	982	5	264	5	325	0	0	0	0	0	0	0	0	0	0	0	0	0	15	1571	26.37		
2004	0	0	3	1010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1675	9	2685	16.73		
2005	31	12925	28	9297	22	4568	0	0	2	116	0	0	0	0	0	0	0	0	0	0	0	0	0	83	26906	60.13		
2006	7	772	1	246	22	1283	30	8525	31	1593	0	0	0	0	0	0	0	0	0	0	0	0	0	91	12419	28.98		
2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.33
2008	16	4137	29	4707	31	1083	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	9927	28.13		
2009	0	0	11	365.4	2	119.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	484.7	14.76		
2010	13	3461	28	1954	31	684.9	18	368	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	2253	103	8720.7	32.05	
2011	31	878	26	714	31	8151	30	5548	31	1546	13	149	0	0	0	0	0	0	0	0	0	0	0	162	16986	36.77		
2012																												
AVG	8	2177	11	3088	12	2960	7	1249	5	477	3	183	1	136	0	21	0	40	0	25	1	352	4	876	52	11584	26	
MAX	31	21012	29	15331	31	16623	30	10488	31	8909	30	1742	31	2710	5	504	11	620	4	821	14	11676	28	8782	200	50349	60.86	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.33

Rain is average water year rainfall for Casitas Dam, Casitas Recreation Area and Matilija Dam rain gages in inches a.f. : acre-feet

**CASITAS MUNICIPAL WATER DISTRICT
INTEROFFICE MEMORANDUM**

TO: GENERAL MANAGER, STEVE WICKSTRUM
FROM: PRINCIPAL CIVIL ENGINEER, NEIL COLE
SUBJECT: GRANT A TEMPORARY EASEMENT-ARUNDO ERADICATION
DATE: MAY 11, 2012

Recommendation:

It is recommended that the Board of Directors grant a temporary easement to the Ventura County Watershed Protection District for the sole purpose of treatment/removal of non-native plants within Casitas' property in the Ventura River.

Background:

In August 2007, Casitas' Board of Directors granted the Ventura County Watershed Protection District a temporary easement to remove non native plants from the Ventura River watershed area owned by Casitas. The temporary easement is due to expire on July 31, 2012. The Ventura County Watershed Protection District has requested a new temporary easement that will terminate on July 31, 2022. The purpose of the temporary easement is to continue the removal process of non native plants from the Ventura River. The terms of the temporary easement are the same as in the previous temporary easement. Ventura County Watershed Protection District will pay Casitas \$500 for the easement.

Recorded at the request of and
Return to Public Works Agency
Real Estate Services Division
A. P. # 010-0-050-050
Instrument #
File #91 - 2012

No Fee Required
(Govt. Code Sec. 6103 & 27383)

GRANT OF TEMPORARY EASEMENT
(Ventura River Arundo Removal)

FOR A VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, **CASITAS MUNICIPAL WATER DISTRICT** do(es) hereby **GRANT** to **VENTURA COUNTY WATERSHED PROTECTION DISTRICT** a temporary easement and right-of-way for the purposes of treatment and/or removal of non-native plants within the floodway of the Ventura River in, on, over, under, and across the real property in the State of California, County of Ventura, for the consideration and upon the terms hereinafter provided.

[Property described or depicted on Figures 1 and 2, attached hereto and made a part hereof]

The undersigned Grantor has executed this Grant of Temporary Easement, hereinafter called "Easement" with the understanding and intention that:

1. TERM. This Easement shall automatically terminate on July 31, 2022.
2. CONSIDERATION. Entity shall pay to the order of the Grantor, as consideration in full for the interest in the herein described real property, the sum of \$500.00. Said sum shall be paid in full within 60 days after acceptance of this Easement by Entity.
3. OPTION. N/A
4. ADDITIONAL CONSIDERATION. N/A
5. HOLDOVER. N/A
6. RESTORATION OF PROPERTY. Entity agrees that upon termination of this Easement it will return the herein described real property as nearly as practicable to its original condition, taking into consideration the nature of the work being performed.
7. INDEMNIFICATION. To the furthest extent permitted by law, Entity shall indemnify, defend and hold harmless Grantor and its Directors, managers, consultants, representatives, employees, and successors from and against all claims, damages, liability, expenses and attorney fees (hereinafter "loss") incurred by Grantor and arising out of, allegedly arising out of, or resulting from the performance of Entity's work,

construction, maintenance, or operation work upon the real property which is the subject of this temporary easement. Entity's duty to defend set out herein obligates Entity to pay on behalf of Grantor all loss at such time as Grantor become legally obligated to pay such loss on account of claims of any kind being made against them arising, or allegedly arising, in any way from Entity's performance or default in connection the construction, maintenance or operation work described herein including, but not limited to damages, judgments, settlements, costs, expenses, and attorneys fees. Entity shall further have the duty to defend any suit, arbitration, mediation or legal or administrative proceeding against Grantor arising, or allegedly arising, in any way from Entity's performance or default in connection with the construction, maintenance, or operation work described herein solely at Entity's expense without any right of claim to reimbursement from Grantor even if the allegations of the suit, arbitration, mediation, claim or proceeding are groundless, false, or fraudulent.

8. COMPLETE UNDERSTANDING. This Easement constitutes the entire understanding between the parties with respect to the subject matter hereof, superseding all negotiations, prior discussions, and preliminary agreements or understandings, written or oral. This Easement may not be amended except in writing by the parties hereto or their successors or assigns.

9. SPECIAL PROVISIONS. If applicable, all other provisions of this Easement are contained in Exhibit "B", which is attached hereto and made a part hereof by reference. Exhibit "B" is not applicable.

10. ACCEPTANCE AND RECORDATION. Entity may cause this Easement to be accepted and recorded in the office of the Ventura County Recorder when Entity can hold for Grantor's order a warrant in the amount as set forth in Article 2 entitled CONSIDERATION.

11. PARTIES BOUND AND BENEFITED. By Grantor's offer and execution, and Entity's acceptance and recordation of this Easement, the covenants and conditions herein contained shall apply to and bind both Grantor and Entity and their respective heirs, successors, executors, administrators, and assigns; and Grantor and Entity shall both be jointly and severally liable hereunder.

CASITAS MUNICIPAL WATER DISTRICT

By: _____

Print Name: _____

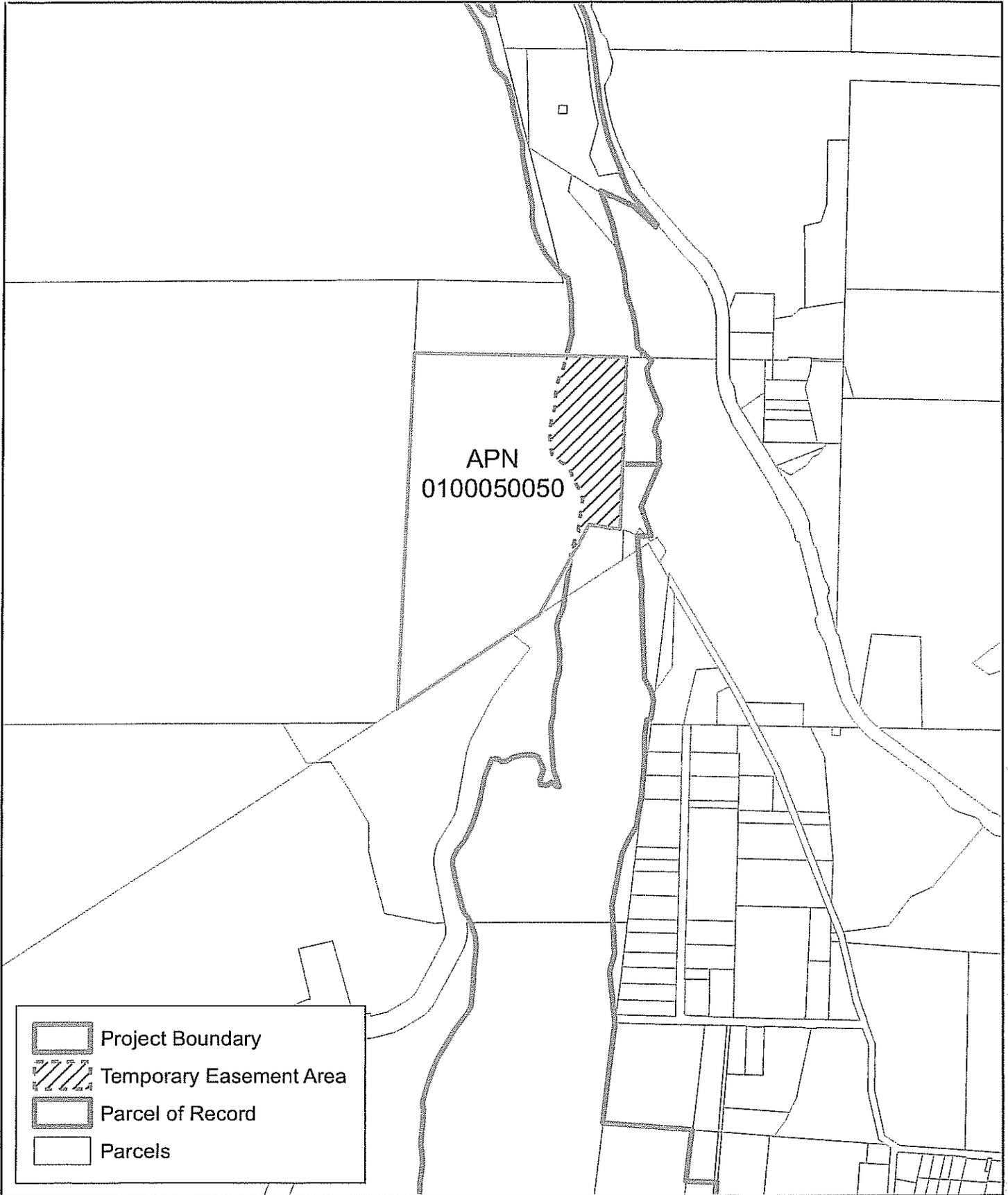
Title: _____

Date: _____

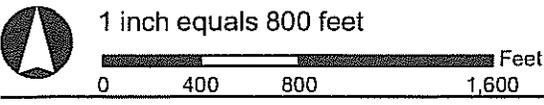
APPROVED:

Keith B. Filegar, Manager
Real Estate Services Division
Public Works Agency

Date: _____



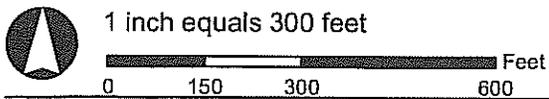
Source: VCWPD, 2005



Temporary Giant Reed Removal Easement for
APN 0100050050 - CMWD

APN
0100050050

-  Project Boundary
-  Temporary Easement Area
-  Parcel of Record
-  Temporary Access Roads and Staging Areas
-  Parcels



Source: VCWPD, 2005

Temporary Access and Staging Easement for
APN 0100050050 - CMWD

**CASITAS MUNICIPAL WATER DISTRICT
INTEROFFICE MEMORANDUM**

TO: STEVE WICKSTRUM, GENERAL MANAGER
FROM: NEIL COLE, CIVIL ENGINEER
SUBJECT: AUTHORIZE GENERAL MANAGER TO SIGN CHANGE ORDER NO. 1-RINCON 2(M) PIPELINE REPLACEMENT STATION 65 TO 76, SPECIFICATION 11-346
DATE: MAY 17, 2012

RECOMMENDATION:

It is recommended that the Board of Directors authorize the General Manager to sign Change Order No. 1 in the amount of \$29,993.55 for the Rincon 2(M) Pipeline Replacement, Station 65-76, Specification 11-346.

BACKGROUND AND DISCUSSION:

In December 2011, the Board approved a contract with Toro Enterprises to complete the Rincon 2(M) Pipeline replacement project. During construction of the project three changes occurred:

1. The pipe material was changed from PVC to HDPE because the PVC supplier backed out of the project.
2. The drilling subcontractor encountered the Monterey Formation much earlier than expected, thereby requiring a change in the drill tooling and equipment.
3. Casitas decided to not have Toro Enterprises cap the old pipe but Casitas will instead valve the old pipe off after a meter is relocated by Casitas' crews.

The net change to the contract amount is \$29,993.55. This amount includes a \$3696 credit from Toro Enterprises for not having to cap the old pipe.

CASITAS MUNICIPAL WATER DISTRICT
CHANGE ORDER NO. 1

DATE: May 17, 2012

PROJECT: Rincon 2m Pipeline Replacement	Specification No. 11-346
CONTRACTOR: Toro Enterprises	
ADDRESS: P.O. Box 6285, Oxnard, CA 93031	

ITEM	DESCRIPTION OF WORK	UNIT PRICE	TOTAL
1	Credit for deletion of a portion of Bid Item No. 6	LS	\$ (3,696.00)
2	Extra work, labor, materials and miscellaneous items to complete installation of HDPE pipe instead of PVC Pipe.	LS	\$7508.00
3	Extra work, labor, materials and miscellaneous items to complete drilling for pipe through the Monterey Formation (differing site conditions)	LS	\$ 24,934.81
4	General Contractor's mark-up on Sub contractor's change	LS	\$1246.74

TOTAL AMOUNT OF CHANGE ORDER NO. 1	\$29,993.55
ORIGINAL CONTRACT AMOUNTS	\$589,535.00
PREVIOUS APPROVED CHANGE ORDER AMOUNT	-0-
NEW CONTRACT AMOUNT	\$ 619,528.55
EXTENSION OF CONTRACT TIME <u>-0-</u> DAYS	

CASITAS MUNICIPAL WATER DISTRICT

APPROVED: _____
STEVEN E. WICKSTRUM
GENERAL MANAGER

ACCEPTED:

By: _____ DATE: _____

Name Printed _____

ACWA

2012 SPRING CONFERENCE

As interpreted by Director Jim Word

Wednesday Breakfast Meeting

“Building Bold”

Don McNicol, Author, commenting.

Much of the State’s major infrastructure items were started in the 1930s. i.e., The Bay Bridge that connects population centers and the State Water system that brings water to the south and the San Joaquin Valley making population and Ag. Expansion possible.

In the 80s the States’ infrastructure was surveyed and graded. That grade was a D- at that time. This same infrastructure is in real need of upgrading and replacement. To compound this need is the fact those same projects are now being driven by seismic and environmental concerns.

Interesting and disturbing points were made that 45% of our roads are impacted and carrying much more than intended. One third of our bridges are deficient. There are 85,000 dams in the U.S. and only 11% are owned by the Government. This leaves the balance with little aspect of upgrading.

Bart Neg, Cal Trans representative assigned to the Bay Bridge gave an update and progress report on it’s’ construction and progress.

Wednesday A.M. Meeting

“Getting the Skinny on water Rates and way they have increased so much”

Sanjay Gaur, Senior Mgr. of Raftilis, led much of the discussion.

There has been a 5 to 8% steady increase in water rates for the last 10 to 15 years. Rate payer meetings are becoming more and more hostile. The lack of trust of agencies by rate payers is becoming more evident. Some trends and reasons for the increases are no surprise.

Agencies and infrastructure were originally funded thru non rate systems such as bonds, taxes and grants. Many of our systems were developed 30 – 50 years ago and are now reaching an end of life situation. Redo’s, repairs and increasing maintenance now becomes rate related as the other sources dry up. Rates must take up the slack.

Some examples of rate dependency and looming crisis are; In the 80s MWD was 70% dependent on rates. In 2011 they were 85%. At the same time, water sales are holding even or dropping due to increased efficiencies and conservation.

Another example given was: The City of San Francisco water sales in 2011 was lowest since 1999 but expenditures are up.

Many agencies are trying to hold the line by increasing the participation of employees' contributions to and for their retirement and health care benefits.

None of this is any real surprise. As a result, water rates are going to continue to rise. For them to pass and be accepted it is absolutely critical that agencies communicate with the rate payer. There must be transparency. There must be solid plans presented. Capital plans must be well thought out and their need fully explained.

Wednesday Lunch Program

“The California Water Bond”

In today's political and economic climate, the Bond has a very slim chance of passing. The consensus is: The need is recognized and the seriousness of the system failure is recognized but there is just not enough trust in State government to handle it and it doesn't have to be now. At this point in the conference, ACWA was still debating their support of moving the Bond to the 2014 ballot.

It would seem nothing will happen until a disaster occurs. There is just too much parochial attitude for progress to occur without some overriding disaster.

Wednesday Afternoon

“Water Conservation and Transfers”

This session had the potential of being very informational. However; it was so poorly done with difficulty in hearing, no handouts, and many slides shown so rapidly notes could not be taken. In spite of the poor presentation, a few points were gleaned. Among them: Can't get a water right but can get a change. If you transfer water you are putting to use. Use of ground water is and can be a surface water transfer.

The three basic rules for transfer are:

1. No injury to any legal user.
2. There is to be no unreasonable effects on fish, etc.
3. No unreasonable impact to the overall economy.

The “No Injury rule” means to other legal users. Not just too prior users but any other user. This protects junior users from senior user.

“The Public Records Act”

A very good session. An Advanced Training in the California Public Records Act Manual was handed out. A copy will be given to staff for their reference.

Some basic tenants covered were:

An agency must respond to a request for records. The purpose of the request is irrelevant. There are deadlines such as; an agency must determine and respond to the request within 10 days. Delivery does not have to be in 10 days.

Other facts regarding request are:

Agencies are not required to create a document or compile a list. Future records can't be requested before they exist. A record must exist. An agency may not just say “no” verbally. A denial must be in writing and must identify the person denying the request and must state the reason for denying it. An agency can't disclose to some and withhold from others.

Inspection and copying are to be done and made available during office hours. Restrictions are to fall under the “Rule of Reason”.

Fees can be charged. Inspections are to be at no charge. Charges can be made for copies. Those charges can include running the machine, material and staff time. Usually those charges average about 10 – 15 cents per page.

There are many stipulations and regulations regarding the “Act”. The training manual would be most helpful in tracking these details.

Thursday A.M. Session

“Ethics Training”

I attended the required bi annual Ethics Training session. I received a certificate of attendance which will be passed on to staff for the record and filling.

Thursday Lunch Meeting

“Implementation of the ESA”

An interesting perspective was given by Michael Bean, Councilor the Assistant Secretary Fish and Game and Wildlife and Parks Service.

According to Mr. Bean:

The list of endangered species is being greatly expanded by 2015. According to Mr. Bean those affected are voluntarily working for solutions. Advance notices of pending listings are being given. Due to this action there has been some limited success in avoiding the actual listing.

The biggest step in making co-equal goals work is to increase the dialog between water and Federal agencies. To make ESA work or to be effective everyone must have an open mind and be willing to adapt innovative measures.

In my mind this statement seemed to have a certain amount of disconnect with reality as I heard from later sessions on the ESA. The openness and adaptability seems to fall much more to the water side than the Fed. Side of the equation.

There appears to be some major concern about the difference in listing and regulation between State and Federal Agencies. The panel and presenters recognized this but offered no real solutions.

The issue of use of "Good Science" was brought up. There was admittance that "Best Available" science may not be "Good" science. One can't help but determine the regulating agencies are saying one thing and practicing something else. It was certainly apparent there is limited consideration given to economic circumstances.

One can only conclude we can't expect any relief from Congress which doesn't seem to be able to get anything done.

In all of this, DFG has no option but to press forward with efforts as they see them, to recover every species on the ES list.

Thursday Afternoon

"ESA and Critical Habitat and it Effect on Local Water Supply"

Critical Habitat is defined as the specific area essential to the conservation of a listed species. It can be occupied or unoccupied. An area may be excluded if exclusion outweighs inclusion unless the result it would be extinction. If an HCP is in place, DFG may exclude the area from CH.

The ESA states that economic impacts must be considered. It also states that Government will consult with water agencies when they are affected. Unfortunately these factors are where there seems to be a disconnect between what is stated and what is reality. In

practicality, they don't. They tend to make the decision then inform those affected. Such was the case in two of the cases presented during the session.

Judging from their record, not what they say, and recent actions, Casitas should not expect any openness or consideration when it comes time for our Biological Opinion update.

Friday Breakfast Meeting

"Decision 2012"

Kevin Eckery, Political Analyst from Sacramento, commented on the political climate.

Based upon the political and economic climate it is probably best ACWA has made the determination to support moving the Water Bond issue to the 2014 election.

California is facing a "Perfect Storm" for the 2012 elections. Mostly based upon the issues of Redistricting and the Open Vote. The predictions are that both Prop. 29 and the Term Limit initiative will be defeated. In all likelihood the Nov. ballot will be a rerun of the June ballot as far as the election of several legislative offices are concerned. Much of the discussion centered on Northern California and the San Diego Area.

ACWA 2012 SPRING CONFERENCE AND EXHIBITION

MAY 8-11 MONTEREY – CALIFORNIA

Tuesday, May 8

Attended- Welcome Reception in Exhibit Hall

Wednesday, May 9

Attended - Opening Breakfast: Building Bold

Author Dan McNichol gave an insightful look at how infrastructure was built in the past and how it's being approached today. Mr. McNichol is one of AIG's main risk management consultants. His job is to advise them on what the risks are on major projects such as the new Bay Bridge in San Francisco. In the United States there are more than 60,000 bridges, 85,000 dams, 53,000 water systems. He feels that at least 25% need to be upgraded. How to pay for all of these projects is the question. The Bay Bridge was a very special project because it was required to be built to withstand an 8.0 earthquake. It took three years to complete and was built without interruption to the 300,000 cars that use it daily.

Attended – Investing in Water Systems – A View from the Cities
City water systems are competing with a variety of other city services for funding. This panel explored the different ways they have been successful in meeting these challenges.

Jessica Hess (City of Sacramento) gave three bullet points to aim for in starting a campaign to rebuild Sacramento's water system.

- 1. Educate**
- 2. Gather Support**
- 3. Get feedback**

They had over 1100 participate in a survey called "Your Voice - Your Utility." They gave tours of their system and contacted all the major players in the city to get support.

Maureen Barry (San Francisco Public Utilities Commission) told us of their struggles to get their 2.6 million customers to accept the rate increases that were necessary to update their system. Social media was a big part of their campaign.

Shana Epstein (City of Ventura Water Department Manager) gave us a look at how they were able to get the City Council to

authorize the construction of a new recycle plant. She felt that the formation of a Citizens Council was the key to get rate payers to feel comfortable with the multi million dollar project.

Martin Querin (Assistant Director City of Fresno) has 180 employees, 550,000 residents, 145,000 services, 1780 miles of water mains and 250 pumping plants. The area uses 145,000 AF per year. They are working on a one billion dollar – fifty year plan to update and start a recycling program. Their water table has dropped over 100 feet since 1980. It dropped 30 feet in the last ten years. A recharge program is in the works.

General Session Lunch – California Water Bond

Jim Earp, Executive Director of Calif. Alliance for Jobs told the audience that voter support of the Bond is about 60% with 40% against. Since there is not a pressing need for additional water now, most voters want to postpone the bond. The general feeling is the Bond will go on the ballot in 2014.

Attended - Human Resources Program

This was a summary of the Public Records Act. In 2004 voters made the CPRA a constitutional right by passing Proposition 59. I have attached a complete copy of the handout that covers just about every possible question about the public's right to know. I'm sure Rebekah has been to one of the classes, but this handout is very comprehensive and easy to use.

Thursday May 10

Attended - Networking Breakfast and visited the Exhibit Hall

Attended - Ethics Training to meet state-mandated requirements on AB 1234.

Attended - General Session Luncheon

The topic was "Implementation of the ESA."

The speaker was Michael Bean from the Fish and Wildlife and Parks Service, U.S. Department of the Interior. Also speaking was Douglas Wheeler, a partner in Hogan Lovells.

Both speakers agreed that the private and public sectors need

to improve their communication to meet the mandates of the ESA. Mr. Bean said the act is working, noting three species that have come off the list – Condors, Pelicans, and Grey Whales.

Attended - The Federal Issues Forum

Paul Robershotte from the Army Corps of Engineers gave a presentation on resetting the Corp's priorities. They were involved in 70,000 permit actions in the region last year. The Corps is under the Department of Defense and the proposed budget cuts that are coming will have an effect on what the Corps can do going forward. In 1983 their budget was 250 billion. The 2012 budget is 165 billion. They plan to have greater focus and fewer projects. Their motto for next year is 3-3-3. Projects that can be finished in three years, budgets of three million or less, and three levels of Corp participation.

Dr. Terry Fellp gave us and update on the Colorado River. Inflows vary radically from year to year. The Quagga Mussel is still a big problem in Lake Meade and the canal coming into

California. The water in Meade is starting to get clearer, and they are finding much more growth on the bottom of the lake. No one knows for sure what this will mean for water quality.

Don Glaser, Mid-Pacific Regional Director, introduced his team of people. There were ten or fifteen in attendance. He was very upbeat about the progress they have made on numerous projects around the Region. Mr. Glaser is a very people oriented person and knows how get things done. Russ asked some very good questions regarding the Matillja Dam and the Quagga Mussel. I think our presence at this meeting was very worth while from a public relations stand point. I'm sure the face to face contact has made our relationship a better one.

Friday May 11.

Attended the Hans Doe Forum Breakfast.

A handwritten signature in black ink, appearing to read "Bill Hicks", written in a cursive style.

Bill Hicks

Division 1

ACWA Conference
Report to the
Board of Directors
Monterey - 2012
Russ Baggerly

Thursday May10, 2012

Statewide Issues Forum: “The Business of Water: What is the Water Conservation Potential for the Commercial, Industrial, and Institutional Sector (CII)?”

Moderator: Frances Spivy-Weber

Randi Knott Patrick Pilz

Toby Roy Trudy Hughes

Toby Roy: SDWA Water Resource Manager reviews the work being done by a Task Force on the development and implementation of the legislation from SBX7 – 7.

The report outlines Metrics, Public Infrastructure to deliver recycled water, Barriers to increasing recycled water use, Technical feasibility and cost of the users BMP’s for efficient water use in the CII sector.

There is a focus on users. And a study of device Based Standards (e.g. gallons per flush, clothes washers, dish washers, etc.).

Alternative Water Supplies: Blowdown, process water, condensate, stormwater/rainwater, graywater.

The CII Sector is to be assessed individually because policies are not “one size fits all”.

Trudi Hughes, CA League of Food Processors reviews the innovations used by the Fruit and Vegetable Processors.

Energy and Water costs both are driving factors in the food industry. Cleaning, sanitizing, cooking, final packaging, canning, incidental use (restrooms, landscaping).

Water use 30 billion gallons per year. Olives – 8.5 – 11,000 g/ton
Tomatoes – 950 g/ton, Peaches – 2,800 g/ton.

The water can be utilized 7 times before it is released mostly for irrigation.

Patrick Pilz – California American Water Company. This gentleman spent lots of time talking about all the things the company does to try to conserve water. I could hardly listen. All I could think about was how the company would add up the tally of how much all this outreach costs and add up the cost of any water conserved and use the resulting sum as justification for another rate increase before the CA PUC.

Randi Knott, CA Hotel and Lodging Association. She went through all the “green” things the hotel industry does to save water. The biggest water saver is that little sign in hotel rooms that encourages people to reuse towels and sleep on sheets for the two or three day stay of guests.

Take away for this session: review our water customers and evaluate the possibilities for water conservation.

Lunch Keynote Speakers

Michael Bean – Counselor to the Assistant Secretary Fish and Wildlife and Parks Services, U.S. Department of the Interior

Douglas Wheeler – Partner Hogan Lovells (developing comments for ACWA on the Advanced Notice of Proposed Rulemaking)

The main point was that Interior is looking for innovative ways to implement the Endangered Species Act through voluntary proactive preservation and protection of species before listing takes place.

ACWA’s main comment was that everything takes too long for industry.

Federal Issues

Paul Robershotte – USCOE stated that the Corps is looking to reset priorities and focus. They administered 7 billion in stimulus funds. There are diminishing pool resources and a diminishing asset base. The levee system in

the U.S. needs 100 billion. Sequestration will require a 50% reduction in budget.

Dr. Terry Fulp – Interim Lower Colorado Regional Director, outlined the plusses and minuses of the Colorado River water storage and delivers system. What is the trend? Downward, in average annual flows.

Donald Glaser – Mid-Pacific Regional Director – After softening up the audience with glowing introductions of all of the staffers present he proceeded to outline the accomplishments of the last four years of his tenure. He and his staff have completed projects that have been stumbling along for 20 to 25 years. One that I can remember is the CVP Intertie. In conversations before the meeting began it sounded very much like Don is seriously considering retirement in the near future. I did invite him again to come and visit CMWD. He mentioned September or October. We should send him an invitation so he can schedule it.

Water district wins award

By From staff reports

Saturday, May 5, 2012

The Casitas Municipal Water District's twice-yearly print newsletter, Casitas Water News, has won a first-place award from the California Association of Public Information Officers.

The association gave the Casitas newsletter a 2012 Excellence in Communications Award in the External Newsletter category. The association gives out 16 awards each year for a range of media projects, and this is the first time the Casitas newsletter has won. More than 100 agencies vied for an award this year.

Casitas produces one newsletter each winter and one in the summer. The newsletter is mailed to 30,000 households in Ojai, the Ojai Valley and Ventura that are served by Casitas. Casitas has been producing a print newsletter for the public for several years.

Ron Merckling, Casitas' Water Conservation/Public Affairs manager, writes the stories for the full-color newsletter. He and Casitas staffers take the photos, and graphic designer Joan Phelps of Ventura-based Whisenhunt Communications designs and lays out the newsletter. Whisenhunt Communications also provides proofreading services.

To share news about your company or business-related organization, email dpeschka@VCStar.com. If there is an event involved, please email the information at least three weeks in advance of the event.



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Eye on the environment: Start a conversation about water conservation

By Cinnamon McIntosh
Eye on the Environment

Saturday, May 5, 2012

May is Water and Watershed Awareness Month. As warmer weather approaches, conversations about water conservation can bring positive change.

My job as a water conservationist depends on my ability to start and sustain conversations about water. If we can get everyone talking about where their water comes from, how they use it, and what they can do to help conserve it, then we can make significant water use changes.

Let's look at some of my more frequent conversations. Perhaps they will inspire you to carry on similar water conversations in your home, neighborhood, coffee shop and meetings.

"We are not currently in a drought, so why conserve water?"

One of my standard responses to this question is, "The opposite of conserving is wasting."

Most of us feel uncomfortable wasting money, gas and other items. Wasting water should feel even more uncomfortable because we share it with the environment. Wasting it drains our local reservoirs and groundwater basins. In the Ojai Valley, it literally drains Lake Casitas.

One of the easiest ways to conserve is to embrace technology. New toilets, washing machines and irrigation controllers help save water effortlessly. Plus, many water districts offer financial incentives to encourage adoption of these technologies.

Another severe drought will hit our region someday. Let's prepare.

"How much should I water my lawn or garden?"

Overwaterers are often shocked when I exclaim, "It doesn't rain this much in Ireland!" In fact, a typical overwatered lawn in Southern California often receives twice as much water as the annual rainfall of the Emerald Isle.

Simple calculations can determine precisely how much water your landscape needs. Many water districts offer free home water surveys to help you figure out exactly what

your garden needs. Visit water district websites to get water-saving tips.

One simple way to lower the water demand in your planting beds is by mulching, which prevents evaporation and plant heat stress. Sometimes free mulch is available from local cities and sanitary districts.

"I don't like California native plants."

Well, some are not stunners, but many are amazing. Check out the varieties and hybrids growers have developed in recent years. Most natives rely on deep-digging tap roots and perform vibrantly only when their roots are established. Unfortunately, this is not the condition you will find them in at your local nursery. Native plants in a 4-inch pot are not showing their true colors. Beautiful native gardens appear often in landscape magazines. Copy their designs.

Grass is useful for pets and children, but the unused square lawn is a landscape principal that stems from Victorian English row houses. It is a dinosaur of colonialism.

If you just can't seem to grasp the beautiful concept of native gardens, then I promise there are plenty of lovely Australian, South African and Mediterranean plants requiring nearly no irrigation. Visit www.ventura.watersavingplants.com to see more than 40 landscapes throughout Ventura County that have adopted waterwise plants. A customizable plant database enables you to print lists of your favorites that you can take to your local nursery. You do not need to be a designer to re-create the gardens you find there.

I invite you to begin all sorts of water conservation conversations with your family, friends and neighbors. Also, speak with your local water provider to ask about conservation programs and services. In turn, help your local water district keep an eye on the environment by keeping an eye on your own irrigation system. Check it monthly, enjoy summer and be mindful of your water use.

On the Net: <http://www.casitaswater.org>; <http://www.venturawatershed.org>

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