

# Board Meeting Agenda

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

Pete Kaiser, Director  
James Word, Director

CASITAS MUNICIPAL WATER DISTRICT  
January 26, 2011  
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 January 12, 2010 Board Meeting.
  - b. Recommend amending the agreement with Hasan Consultants to provide services during construction for a not-to-exceed amount of \$20,000 for the Rincon 2(m) transmission pipe project.

RECOMMENDED ACTION: Adopt Consent Agenda

5. Bills
6. Committee/Manager Reports
  - a. Finance Committee Minutes
7. Recommend reducing the delinquency fee to the City of Ventura by 50% on a one time basis.

RECOMMENDED ACTION: Motion approving recommendation

8. Bid and Award of contract for Villanova piping and vault appurtenances, Specification 10-341.

RECOMMENDED ACTION: Adopt Resolution

9. Resolution approving the CEQA Preliminary Assessment for the Rincon 2(m) Pipeline Replacement Project and adopting the Notice of Exemption.

RECOMMENDED ACTION: Adopt Resolution

10. Presentation of the Hydrology report for Water Year 2010.

11. Presentation on the Capital Projects.

12. Information Items:

- a. Casitas Reservoir Water Inventory Summary
- b. News Articles
- c. Investment Report

13. 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  
January 12, 2011

A meeting of the Board of Directors was held January 12, 2011 at Casitas' Office, Oak View, California. Directors Kaiser, Word, Baggerly, Hicks and Bergen were present. Also present were Steve Wickstrum, General Manager, Rebekah Vieira, Clerk of the Board, and Attorney, John Mathews. There were three staff members and one member of the public in attendance. President Kaiser led the group in the flag salute.

1. Public comments.

None

2. General Manager comments.

Mr. Wickstrum reported that over the holiday season with the rain that fell our staff performed well diverting water at Robles and we are still moving water at a very low rate. Yesterday, the Sheriff's department did some practice rescues at Lake Casitas. Their vessels went through the quagga prevention program. Director Baggerly asked if there was an opportunity for engineers to check the screens. Mr. Wickstrum answered that the consultants spent some long days taking measurements and the results are not on hand yet.

3. Board of Director comments.

Director Word asked about the status of the Ojai 4(m) pump plant electrical upgrades. Mr. Wickstrum explained most of the work has occurred and should be completed today and operational.

Director Hicks commented that he loved the picture of the big fish in the Star.

Director Baggerly congratulated and thanked staff in particularly Ron Merckling for the appearance and functionality of our website. He then asked if it was possible to have a presentation on issues for the upcoming budget year and the design for repairing the huge valve in Oak View. Director Word added it would be helpful to have a presentation or update on the major projects.

President Kaiser gave appreciation for staff that were involved in making sure we got water down the canal during the holiday season.

4. Board, Committee and Meeting Approvals

a. Election of Board Officers

NEW BOARD OFFICERS FOR 2011:

PRESIDENT                      Pete Kaiser

VICE PRESIDENT                Russ Baggerly

SECRETARY                      Jim Word

ASST. SECRETARY                Bill Hicks

On a motion by Director Word, seconded by Director Baggerly and passed, the Election of Officers was approved.

b. Discussion and possible resolution to modify the meeting time of the Board Meetings.

The resolution to change the Board meeting time to 3:00 p.m. was offered by Director Baggerly, seconded by Director Hicks and passed by the following roll call vote:

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

Resolution is numbered 11-01.

c. Discussion and approval of meetings that will be considered authorized meetings for the Board.

**Outside Affiliations Approvals for 2011** – These affiliations and meetings are considered approved for the attendance of any Board Member for any meeting without additional Board Action. These meetings are considered paid meetings for Board attendance:

Ventura County Special District Association – Kaiser  
California Special District Association – All  
Association of Water Agencies – all can attend. Word/Hicks as alternate  
Association of California Water Agencies – Region 8 Hicks / Wickstrum, all can attend.

ACWA Legislative Committee Liaison – Ron Merckling  
American Water Works Association – Steve Wickstrum  
California Park & Recreation Society – Carol Belser  
National Notary Association – Rebekah Vieira  
Society of Human Resource Management – Rebekah Vieira  
CALPELRA – Rebekah Vieira  
Greater Ventura Chamber of Commerce – Hicks / Word as alternate

Ojai Chamber of Commerce – Kaiser / Bergen as alternate  
 State Water Contractors – Steve Wickstrum  
 American Fisheries – Scott Lewis and Mike Gibson  
 Salmonid Restoration Foundation – Scott Lewis/ Russ Baggerly  
 OBGMA – Baggerly / Bergen as alternate  
 LAFCO – as needed  
 Ventura County Regional Energy Alliance – Word / Kaiser as alternate

**Board Attendance approved when dealing with Casitas Business:**

Matilija Dam Removal Meetings – Baggerly/ Hicks and Wickstrum  
 Bureau of Reclamation – Word / Baggerly  
 State/Federal Legislative Committee meetings – Ron Merckling/others as needed  
 Agenda Meetings – President  
 Watershed Coalition of Ventura County – Baggerly / Merckling  
 Ventura River Watershed Council – Baggerly / Merckling.  
 Tri County Fish Team – Bergen / Scott Lewis  
 Ventura River HCP - Word

On the motion of Director Baggerly, seconded by Director Hicks and passed, the above outside affiliations and meetings were approved.

d. Selection of Board Committee assignments and dates of meetings.

COMMITTEE ASSIGNMENTS:

	<u>Members</u>	<u>Alternate</u>
Executive	Kaiser/Baggerly	Word
Personnel	Word/Bergen	Hicks
Water Resources	Baggerly/Hicks	Bergen
Recreation	Hicks/Kaiser	Baggerly
Finance	Bergen/Word	Kaiser

COMMITTEE DATES AND TIME:

	<u>Date</u>	<u>Time</u>
Executive	First Tuesday	9:00 a.m.
Personnel	Third Wednesday	4:30 p.m.
Water Resource	Third Monday	3:00 p.m.
Recreation	First Monday	9:00 a.m.

Finance

Third Friday

9:30 a.m.

Committee meeting dates and times may change as necessary

On the motion of Director Baggerly, seconded by Director Word and passed the Committee assignments and meeting times were approved.

5. Consent Agenda

ADOPTED

- a. Minutes of the November 10, 2010 Board Meeting.
- b. Minutes of the December 15, 2010 Board Meeting.
- c. Resolution approving memberships for 2011.

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

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

Resolution is numbered 11-02.

6. Bills

APPROVED

Director Hicks questioned the refund on state water to United. Denise Collin explained that previously United was paying for transportation costs and this refund is for a previous year where they paid 100%. Director Word questioned the removal of the floor at Recreation. Mr. Wickstrum explained this was for the removal of asbestos tiles.

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

7. Request from the City of Ventura regarding late fees.

Tabled for further review

Denise Collin informed the board that for some time we would allow resale customers to be late with payment but after we had a water company that became extremely delinquent the board told staff not to forgive late payments. The City of Ventura has had staff changes and there was a late payment applied to a couple of water bills with late payment charges.

Susan Rungren from the City of Ventura addressed the board and stated it is the City's fault for paying late. We have had staff changes and the issues have been resolved. When the next bill came in we paid it the next day. I am pleading with you and in the past have tried to work with you. \$45,000 is a lot of money for being a couple of days late. I am asking you to waive it or reduce it by a substantial amount.

Director Hicks added it is a tough situation the City is our largest customer and he suggested splitting the bill this one time. Director Word asked how you reconcile that with the others that we don't split the bill with. Mr. Wickstrum added that we have a lot of coordination and we are talking about a large purchaser of water. The 10% late fee is very large for the City of Ventura versus a residential customer. Denise Collin added that in her usual day to day functions she has the ability to grant a refund or reduce an amount of a fee depending on how they have worked with her but her authority is only to \$500. Mr. Mathews suggested looking at this more closely.

On the motion of Director Hicks, seconded by Director Bergen and passed the item was tables and referred back to the Finance Committee for further review.

8. Recommend declining the Consent Agreement to permit the Area Housing Authority to retain funds paid in lieu of taxes for local program.

APPROVED

On the motion of Director Baggerly, seconded by Director Hicks and passed the above recommendation was approved.

9. Resolution awarding a contract to Toro Enterprises Inc. in the amount of \$54,215 for the construction of the Rincon Pipeline Replacement Station 450 to 451.

ADOPTED

Director Baggerly questioned the Cal OSHA issues. Mr. Wickstrum explained that we have analyzed those and feel comfortable with this recommendation.

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

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

Resolution is numbered 11-03.

10. Information Items:

- a. Monthly Cost Analysis for operation of Robles, fisheries and fish passage.
- b. Recreation Area Report for November.
- c. Status Report on the First Quarter Water Year 2010-2011
- d. Lake Casitas Storage Volume Comparison
- e. News Articles
- f. Investment Report

Director Hicks questioned the numbers in the recreation report. Park Services Manager Carol Belser will review the report.

Mr. Mathews mentioned the Santa Clara watershed and United are embarking on their HCP. The kickoff meeting is January 27<sup>th</sup> at 1:00 p.m.

11. Closed session

Conference with Legal Counsel -- Existing Litigation (Subdivision (a) of Section 54956.9, Government Code). Name of Case: Ortiz v. Casitas Municipal Water District.

President Kaiser moved the meeting to closed session at 5:42 p.m. regarding the above noted case. President Kaiser moved the meeting back to open session at 6:01 p.m. stating the board received an update on the case from our attorney and no action was taken.

12. Adjournment

President Kaiser adjourned the meeting at 6:02 p.m.

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Secretary



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**CASITAS MUNICIPAL WATER DISTRICT  
INTEROFFICE MEMORANDUM**

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**TO:** STEVE WICKSTRUM, GENERAL MANAGER  
**FROM:** NEIL COLE, PRINCIPAL CIVIL ENGINEER  
**SUBJECT:** AMEND AGREEMENT WITH HASAN CONSULTANTS TO PROVIDE SERVICES DURING CONSTRUCTION FOR A NOT-TO-EXCEED AMOUNT OF \$20,000  
**DATE:** JANUARY 18, 2011

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**RECOMMENDATION:**

It is recommended that the Board of Directors amend the agreement with Hasan Consultants in an amount no- to-exceed \$20,000 to provide services during construction on the Rincon 2(m) transmission pipe project.

**BACKGROUND AND DISCUSSION:**

The 2004/05 winter storms damaged a portion of the Rincon 2(m) pipeline leaving many homes in the coastal communities without water for an extended period of time. The damaged portion of the pipeline was in the bottom of a large ravine. The pipeline was repaired but remains in a location where the pipeline could be damaged by future storm events. Casitas has proposed to relocate the pipeline. Hasan Consultants with Water Resources Engineering Associates prepared the construction documents to replace this portion of the pipeline.

Casitas staff is currently working with the property owner to obtain all necessary easements. Once this work is completed, the project will be ready to advertise for construction proposals.

Casitas staff will provide the construction management services on this project. Casitas staff will need occasional assistance from the design team to answer questions, review submittals, provide Registered Environmental Assessor services and provide specialized inspection services. This work will be completed on a time and material basis for a not-to-exceed amount of \$20,000. The exact amount of time needed will depend on the quality and competency of the contractor selected to complete the project and any unusual circumstances that occur during construction.


The FY 2010-2011 budget includes funding for this work.

**CASITAS MUNICIPAL WATER DISTRICT**  
**Payable Fund Check Authorization**  
**Checks Dated 1/12/11-01/20/11**  
**Presented to the Board of Directors For Approval January 26, 2011**

Check	Payee	Description	Amount
000219	Payables Fund Account	Accounts Payable Batch 011211	\$108,536.54
000220	Payables Fund Account	Accounts Payable Batch 011811	\$947,048.73
000221	Payables Fund Account	Accounts Payable Batch 011811A	\$392,921.59
000223	Payables Fund Account	Accounts Payable Batch 012011	\$221,638.03
000224	General Fund-Rabobank	Transfer from B of A to Rabobank	\$2,500,000.00
			\$4,170,144.89
000222	Payroll Fund Account	Estimated Payroll 2/10/11	\$115,000.00
			\$115,000.00
		Total	\$4,285,144.89

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, 000219-000224 have been duly audited is hereby certified as correct.

 1/20/11  
 \_\_\_\_\_  
 Denise Collin, Accounting Manager

\_\_\_\_\_  
 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.

000219	A/P Checks:	006954-006967
	A/P Draft to P.E.R.S.	011213
	A/P Draft to State of CA	011212
	A/P Draft to I.R.S.	011211
	Void:	
000220	A/P Checks:	006968-006973
	A/P Draft to P.E.R.S.	
	A/P Draft to State of CA	
	A/P Draft to I.R.S.	
	Void:	
000221	A/P Checks:	006974-006991
	A/P Draft to P.E.R.S.	
	A/P Draft to State of CA	
	A/P Draft to I.R.S.	
	Void:	
000223	A/P Checks:	006992-007051
	A/P Draft to P.E.R.S.	
	A/P Draft to State of CA	
	A/P Draft to I.R.S.	
	Void:	007026

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

Denise Collin 1/20/11  
Denise Collin, Accounting Manager

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

CERTIFICATION

Payroll disbursements for the pay period ending 01/08/11  
Pay Date of 01/13/11  
have been duly audited and are  
hereby certified as correct.

Signed: Denise Collin 1/10/11  
Denise Collin

Signed: \_\_\_\_\_  
Signature

Signed: \_\_\_\_\_  
Signature

Signed: \_\_\_\_\_  
Signature

1/20/2011 2:53 PM  
 VENDOR SET: 01 Casitas Municipal Water D  
 BANK: \* ALL BANKS  
 DATE RANGE: 1/12/2011 THRU 1/20/2011

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	1/20/2011			007026		

\* \* T O T A L S \* \*

	NO	CHECK AMOUNT	DISCOUNTS	TOTAL APPLIED
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:	1	VOID DEBITS 0.00		
		VOID CREDITS 0.00	0.00	0.00

TOTAL ERRORS: 0

VENDOR SET: 01	BANK:	TOTALS:	1	0.00	0.00	0.00
BANK:	TOTALS:		1	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-010711	Reimbursed Medical 2010	R	1/12/2011	129.02		006954		129.02
01055	Neil Cole							
I-Dec 10	Reimburse Expenses 12/10	R	1/12/2011	312.00		006955		312.00
01280	FRY'S ELECTRONICS, INC.							
I-3639499	Monitor for E & M	R	1/12/2011	211.71		006956		
I-3639499A	Correct Inv#3639499	R	1/12/2011	0.01		006956		
I-3654166	Camera for O & M Cust Svc	R	1/12/2011	194.66		006956		406.38
00126	CAROLE ILES							
I-Dec 10	Reimburse Mileage 12/10	R	1/12/2011	28.00		006957		28.00
00215	SOUTHERN CALIFORNIA EDISON							
C-010411B	Acct#2210505426	R	1/12/2011	9,217.49CR		006958		
I-010411	Acct#2237789169	R	1/12/2011	23.30		006958		
I-010411A	Acct#2210502480	R	1/12/2011	37,893.22		006958		
I-010411C	Acct#2269631768	R	1/12/2011	20.13		006958		28,719.16
00756	STATE BOARD OF EQUALIZATION							
I-010611	Use Tax Return 10/10-12/10	R	1/12/2011	1,587.00		006959		1,587.00
	Acct#15300115							
00756	STATE BOARD OF EQUALIZATION							
I-010611A	LCRA Sales Tax Return 2010	R	1/12/2011	792.00		006960		792.00
	Acct#101064412							
00051	STATE BOARD OF EQUALIZATION							
I-011011	UST Maintenance Fee, LCRA	R	1/12/2011	283.90		006961		
	Acct#44-030670							
I-011011A	UST Maintenance Fee, Main Yard	R	1/12/2011	239.36		006961		523.26
	Acct#44-030877							
00226	UNITED STATES POSTAL SERVICE							
I-011111	Replenish Postage Machine	R	1/12/2011	500.00		006962		500.00
00124	ICMA RETIREMENT TRUST - 457							
I-CUI201101110388	457 CATCH UP	R	1/12/2011	423.08		006963		
I-DCI201101110388	DEFERRED COMP FLAT	R	1/12/2011	2,203.86		006963		2,626.94
01960	Moringa Community							
I-MOR201101110388	PAYROLL CONTRIBUTIONS	R	1/12/2011	16.75		006964		16.75

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00985	NATIONWIDE RETIREMENT SOLUTION							
I-CUN201101110388	457 CATCH UP	R	1/12/2011	211.54		006965		
I-DCN201101110388	DEFERRED COMP FLAT	R	1/12/2011	3,906.78		006965		4,118.32
00180	S.E.I.U. - LOCAL 721							
I-UND201101110388	UNION DUES	R	1/12/2011	593.75		006966		593.75
00230	UNITED WAY							
I-UWY201101110388	PAYROLL CONTRIBUTIONS	R	1/12/2011	45.00		006967		45.00
01192	Academy Publishing, Inc.							
I-NDF5074	Ad for Waterpark,Nordhoff High	R	1/18/2011	405.00		006968		405.00
01441	ADVANTAGE TELECOM, INC							
I-30743	LCRA Monthly Phone Charges	R	1/18/2011	640.62		006969		640.62
01985	AFLAC/FLEX ONE							
I-011411	Reimburse Medical 2010	R	1/18/2011	1,071.15		006970		1,071.15
01680	BLR-BUSINESS & LEGAL REPORTS							
I-18108220	Renew Safety.BLR Subscription	R	1/18/2011	895.00		006971		895.00
01616	FRED BRENEMAN							
I-011711	PD 1/9/11-1/22/11	R	1/18/2011	391.00		006972		391.00
00229	BUREAU OF RECLAMATION							
I-BD110520R776A	Vend Id M4826, Dam Payment	R	1/18/2011	943,645.96		006973		943,645.96
00490	Cardno ENTRIX							
I-0063236	Expert Witness Services	R	1/18/2011	66,607.82		006974		66,607.82
01165	CARL WARREN & COMPANY							
I-1243505	Professional Services	R	1/18/2011	171.60		006975		171.60
00055	CASITAS BOAT RENTALS							
I-001271	Repair Pac Angler, Eq#136	R	1/18/2011	482.76		006976		
I-001274	Gas for Barge at LCRA	R	1/18/2011	60.00		006976		
I-123110	Cafe Pass Reimbursement	R	1/18/2011	1,369.96		006976		1,912.72
01035	ANGELA CHAPMAN-KOFRON							
I-Jan 11	Reimburse Mileage 4/10-1/11	R	1/18/2011	80.12		006977		80.12
00059	COASTAL PIPCO							
I-S1665227001	Flange Spacer for TP	R	1/18/2011	315.30		006978		
I-S1666489002	PVC Parts for Manifold TP	R	1/18/2011	165.85		006978		481.15

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
01018	Consolidated Disposal Services							
I-0910000377416	Acct#309104110364	R	1/18/2011	744.95		006979		
I-0910000377463	Acct#309104110685	R	1/18/2011	114.55		006979		
I-0910000377568	Acct#309104300067	R	1/18/2011	280.00		006979		1,139.50
01135	DALEY & HEFT LLP							
I-37943	Slipp241, November Services	R	1/18/2011	1,641.64		006980		1,641.64
00182	DEWITT PETROLEUM							
I-0003812IN	Gas and Diesel for LCRA	R	1/18/2011	4,553.37		006981		
I-0003872IN	Gas for Main Yard	R	1/18/2011	3,247.21		006981		7,800.58
02013	HDSupply Repair & Remodel #527							
I-174519	Bathroom Cabinets, Dist Shop	R	1/18/2011	1,293.02		006982		1,293.02
01594	HIGHWAY TECHNOLOGIES, INC.							
I-65069327001	Signs for New SA Road Fence	R	1/18/2011	98.68		006983		98.68
02133	Lightning Fence Co., Inc.							
I-011411	Fence Upgrade at LCRA	R	1/18/2011	97,113.60		006984		97,113.60
00160	OILFIELD ELECTRIC CO, INC							
I-011811	Ojai 4M PP Elec Upgrades	R	1/18/2011	50,012.77		006985		50,012.77
00169	OJAI VALLEY SANITARY DISTRICT							
I-12948	Cust#99991, 7/10-10/10	R	1/18/2011	34,295.69		006986		
I-12949	Cust#20594	R	1/18/2011	150.63		006986		
I-13035	Cust#52921	R	1/18/2011	50.21		006986		34,496.53
02128	Olympus & Associates, Inc.							
I-122910	OV Tank #2 Interior Recoat	R	1/18/2011	109,296.35		006987		109,296.35
01627	OSCAR'S TREE SERVICE							
I-9200	Tree Service at LCRA	R	1/18/2011	680.00		006988		680.00
01662	TYLER TECHNOLOGIES, INC.							
I-6750	Incode Annual Software Maint	R	1/18/2011	19,664.40		006989		19,664.40
00330	WHITE CAP INDUSTRIES							
I-7107567	Floor Protect, Ram Board,LCRA	R	1/18/2011	135.27		006990		
I-7109023	Mesh Fine Kleenblast, PP	R	1/18/2011	134.34		006990		269.61
00489	STEVE WICKSTRUM							
I-Dec 10	Reimburse Expenses 12/10	R	1/18/2011	161.50		006991		161.50



VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
01270 I-Dec 10	SCOTT LEWIS Reimburse Expenses 12/10	R	1/19/2011	2,047.09		006992		2,047.09
00004 I-Jan 11	ACWA HEALTH BENEFITS AUTHORITY Health Insurance 1/11	R	1/20/2011	106,205.20		006993		106,205.20
00010 I-103221639	AIRGAS WEST Cylinder Rental for Pipelines	R	1/20/2011	40.01		006994		40.01
00029 I-914224	AMERICAN TOWER CORP Tower Rent, Red Mtn, Rincon Pk	R	1/20/2011	1,141.53		006995		1,141.53
00014 I-145455	AQUA-FLO SUPPLY PVC Parts for Treatment Plant	R	1/20/2011	2.37		006996		2.37
01666 I-000001979466 Acct#8310001729783	AT & T T-1 Line for Internet	R	1/20/2011	357.32		006997		357.32
00018 I-829434088X01142011	AT & T MOBILITY PT Wildlife Biologist Cell	R	1/20/2011	8.08		006998		8.08
00020 I-39581	AVENUE HARDWARE, INC Number Stickers for Dist Maint	R	1/20/2011	4.02		006999		4.02
00030 I-1224036000101	B&R TOOL AND SUPPLY CO Safety Glasses for Pipelines	R	1/20/2011	19.58		007000		19.58
00821 I-643912	BEST BEST & KRIEGER LLP Matter No 82356.00002 12/10	R	1/20/2011	1,410.35		007001		1,410.35
02160 I-011911	Ruth Blackburn Irrigation Controller Rebate	R	1/20/2011	350.00		007002		350.00
02156 I-122910	DeWayne Boccali Irrigation Controller Rebate	R	1/20/2011	350.00		007003		350.00
02157 I-122810	Todd Breeding Irrigation Controller Rebate	R	1/20/2011	350.00		007004		350.00
01843 I-324872	COASTAL COPY Copier Usage, Dist Ofc	R	1/20/2011	97.50		007005		97.50

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00059	I-S1667587002							
	COASTAL PIPCO							
	Blind Flange for TP	R	1/20/2011	48.47		007006		48.47
00511	I-ST2103650023IN							
	Community Memorial Hospital							
	Drug Test	R	1/20/2011	45.00		007007		45.00
00061	I-SB02065864							
	COMPUWAVE							
	Toner Cartridges	R	1/20/2011	529.79		007008		
	I-SB02065976							
	Drum Kits for LCRA	R	1/20/2011	497.48		007008		1,027.27
00062	I-9009634816							
	CONSOLIDATED ELECTRICAL							
	Lot Billing, Upper Ojai PP	R	1/20/2011	5,033.63		007009		
	I-9009634824							
	Fuse for Treatment Plant	R	1/20/2011	18.06		007009		5,051.69
00719	I-13032831							
	CORELOGIC INFORMATION SOLUTION							
	Realquest Subscription	R	1/20/2011	125.00		007010		125.00
01483	I-645196741							
	CORVEL CORPORATION							
	Bill Review	R	1/20/2011	5.66		007011		5.66
00064	I-16136							
	CROWDER BACKFLOW SERVICES, INC							
	Backflow Testing at TP	R	1/20/2011	180.00		007012		
	I-16137							
	Backflow Testing at LCRA	R	1/20/2011	801.00		007012		
	I-16172							
	Backflow Testing, Dist Ofc	R	1/20/2011	36.00		007012		1,017.00
00095	I-131112							
	FAMCON PIPE & SUPPLY							
	Flanges for OV Reservoir Proj	R	1/20/2011	1,813.19		007013		1,813.19
00104	I-155476							
	FRED'S TIRE MAN							
	Tires for #32, Admin Van	R	1/20/2011	269.72		007014		
	I-156092							
	Tires for Club Car B/2	R	1/20/2011	86.34		007014		356.06
00106	I-F139759							
	FRONTIER PAINT							
	Paint for LCRA Office	R	1/20/2011	367.13		007015		367.13
00485	I-90673159							
	FRUIT GROWERS SUPPLY COMPANY							
	Rain Gear for LCRA Maint	R	1/20/2011	217.45		007016		217.45
01280	I-3689927							
	FRY'S ELECTRONICS, INC.							
	DVD, Hard Drive for IT	R	1/20/2011	58.71		007017		
	I-3704504							
	Power Supply for IT Dept	R	1/20/2011	119.61		007017		178.32
00115	I-9426532090							
	GRAINGER, INC							
	Drum Heaters for Pump Plants	R	1/20/2011	302.02		007018		
	I-9430632209							
	Fuel Transfer Pump,Diesel Main	R	1/20/2011	388.72		007018		690.74

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
01052	HARBOR FREIGHT							
I-0200437859	Ratchets for District Maint	R	1/20/2011	8.64		007019		8.64
00596	HOME DEPOT							
I-3970822	Kitchen Sink for LCRA	R	1/20/2011	162.04		007020		162.04
00872	Irrisoft, Inc.							
I-3426	Weather Station Signal Svcs	R	1/20/2011	79.00		007021		79.00
02143	Mapcon Technologies, Inc.							
I-15511	Online Maint W/O System, E&M	R	1/20/2011	4,479.96		007022		4,479.96
01404	MCT TRAILERS							
I-54726	Trailer Hitch Plug, Dist Maint	R	1/20/2011	10.77		007023		10.77
00800	MEDIA3 TECHNOLOGIES, LLC							
I-427089	casitaswater.org Linux Value	R	1/20/2011	32.85		007024		
I-427091	lakecasitas.info Linux Value	R	1/20/2011	32.85		007024		65.70
00151	MEINERS OAKS ACE HARDWARE							
C-415729	Items Returned Inv#413178	R	1/20/2011	134.64CR		007025		
I-413178	Supplies for Ofc Remodel, LCRA	R	1/20/2011	176.60		007025		
I-414988	Batteries, Connectors, TP	R	1/20/2011	27.43		007025		
I-414989	Spray Paint for TP	R	1/20/2011	6.61		007025		
I-415139	Shop Vac for Fairview PP	R	1/20/2011	146.13		007025		
I-415403	Plywood, Engineering Cabinet	R	1/20/2011	25.86		007025		
I-415728	Hardware for Shelves, WP	R	1/20/2011	24.68		007025		
I-415735	Supplies for Office Remodel	R	1/20/2011	40.43		007025		
I-415740	Drywall Work in Rec Office	R	1/20/2011	67.48		007025		
I-415752	Gloves, Filters for TP	R	1/20/2011	20.50		007025		
I-415771	Supplies for LCRA Maint	R	1/20/2011	27.55		007025		
I-415953	Floor Squeegees, WP	R	1/20/2011	44.13		007025		
I-416045	Concrete for Canal Road	R	1/20/2011	36.70		007025		
I-416112	Concrete Mix for Dist Maint	R	1/20/2011	36.70		007025		
I-416199	Bolts and Screws for TP	R	1/20/2011	12.06		007025		
I-416322	Paint and Pliers for Maint	R	1/20/2011	40.00		007025		
I-416472	Cloth for Treatment Plant	R	1/20/2011	12.51		007025		
I-416519	Clips for Repair at LCRA	R	1/20/2011	2.91		007025		
I-416713	Supplies for Waterpark	R	1/20/2011	62.15		007025		
I-416989	Concrete for Dist Maint	R	1/20/2011	56.37		007025		
I-417025	Concrete Mix for LCRA Maint	R	1/20/2011	27.08		007025		
I-417187	Supplies for LCRA Maint	R	1/20/2011	24.61		007025		
I-417265	Supplies for Waterpark	R	1/20/2011	13.96		007025		797.81

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00163	OFFICE DEPOT							
I-546146222001	Flash Drives for Operations	R	1/20/2011	23.25		007027		
I-546729818001	Office Supplies for Operations	R	1/20/2011	6.92		007027		
I-547482754001	Office Supplies	R	1/20/2011	54.79		007027		84.96
01570	Ojai Auto Supply LLC							
I-193565	Fuse for Eq#43, Maint	R	1/20/2011	3.78		007028		
I-194823	Fuel Filter, Diesel Gas Tank	R	1/20/2011	11.89		007028		
I-194931	Floor Mat for Eq#23, E & M	R	1/20/2011	25.96		007028		41.63
00607	OJAI ELECTRIC							
I-07877C	Electrical Work in LCRA Office	R	1/20/2011	140.00		007029		140.00
00165	OJAI LUMBER CO, INC							
I-2406643	Hex Bolts for Pump Plant	R	1/20/2011	6.19		007030		6.19
00167	OJAI VALLEY FAMILY MEDICAL GRP							
I-122810	Acct#1-28514.0-1	R	1/20/2011	100.00		007031		100.00
00734	ONESOURCE DISTRIBUTORS							
C-S3393576003	Cable Returned, Inv#S3393576	R	1/20/2011	304.44CR		007032		
I-S3386486002	PPE Glove Kits, E & M	R	1/20/2011	157.65		007032		
I-S3414550001	Coax Cable Roll for Robles	R	1/20/2011	123.25		007032		
I-S3427086001	Rain Gear for E & M	R	1/20/2011	302.02		007032		278.48
01334	POWER MACHINERY CENTER							
I-W24355	PM Service, Club Car B	R	1/20/2011	49.73		007033		
I-W24356	PM Service, Club Car A	R	1/20/2011	49.73		007033		
I-W25338	PM Service, Club Car A	R	1/20/2011	49.73		007033		
I-W25339	PM Service, Club Car B	R	1/20/2011	49.73		007033		
I-W26206	Repair Leased Club Car	R	1/20/2011	97.80		007033		
I-W26229	Repair Leased Club Car	R	1/20/2011	113.32		007033		
I-W26235	Repair Leased Club Car	R	1/20/2011	108.71		007033		
I-W26239	Repair Leased Club Car	R	1/20/2011	100.40		007033		
I-W26863	Repair Think Cart #J	R	1/20/2011	476.05		007033		1,095.20
01439	PRECISION POWER EQUIPMENT							
I-1513	Chain Saw Oil for Dist Maint	R	1/20/2011	17.05		007034		17.05
10042	PSR ENVIRONMENTAL SERVICE, INC							
I-4786	Repair Gas Tank Sensor, Main	R	1/20/2011	300.50		007035		300.50
10131	RESOURCE ACTION PROGRAMS							
C-1230105477521INA	Accrue Use Tax	R	1/20/2011	419.29CR		007036		
D-1230105477521INA	Accrue Use Tax	R	1/20/2011	419.29		007036		
I-1230105477521IN	Water Conservation Kits	R	1/20/2011	5,328.00		007036		5,328.00

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
01421	RHINO MARKING & PROTECTION SYS							
C-37197A	Accrue Use Tax	R	1/20/2011	66.08CR		007037		
D-37197A	Accrue Use Tax	R	1/20/2011	66.08		007037		
I-37197	Campsite Markers	R	1/20/2011	883.40		007037		883.40
00033	ROBERT SKEELS & CO.							
I-12044	4M PP Door Exit Devices	R	1/20/2011	1,310.58		007038		1,310.58
02125	S&J Supply Co., Inc.							
I-102404	Couplings for OV Tank Proj	R	1/20/2011	78,621.98		007039		78,621.98
00211	SECORP INDUSTRIES							
I-I0010541	Gas Alert Calibration	R	1/20/2011	75.00		007040		75.00
02003	Sostre & Associates							
I-1445	Website CMS Monthly Fee	R	1/20/2011	149.00		007041		149.00
00236	STAPLES ADVANTAGE							
I-106271941	Office Supplies for Operations	R	1/20/2011	186.95		007042		186.95
00223	STOCK BUILDING SUPPLY							
I-4538423800	Lumber for Shelving, WP	R	1/20/2011	71.94		007043		71.94
01147	SUPERIOR GATE SYSTEMS							
I-2298	Canal #6 Auto Gate Repair	R	1/20/2011	655.00		007044		655.00
09857	SWANNER PHYSICAL THERAPY							
I-645196741	DOS 5/18/09 Claim#08-66146	R	1/20/2011	23.71		007045		23.71
00390	TARGET SPECIALTY PRODUCTS							
I-1350336	Rodent Bait for Dist Maint	R	1/20/2011	657.89		007046		657.89
01173	TOICO INDUSTRIES, INC.							
C-94148A	Accrue Use Tax	R	1/20/2011	9.33CR		007047		
D-94148A	Accrue Use Tax	R	1/20/2011	9.33		007047		
I-94148	Gloves, Alum Screens, Maint	R	1/20/2011	132.58		007047		132.58
00225	UNDERGROUND SERVICE ALERT							
I-1220100087	88 New Tickets	R	1/20/2011	132.00		007048		132.00
00246	VENTURA COUNTY AIR POLLUTION							
I-1025111	Permit Fee for Generator, TP	R	1/20/2011	525.00		007049		
I-1025188	Permit Fee for LCRA Gas Tank	R	1/20/2011	525.00		007049		1,050.00

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00241	VENTURA TROPHY COMPANY							
I-52908	Name Plates for Board Meeting	R	1/20/2011	30.31		007050		30.31
01283	Verizon Wireless							
I-0938185920	Cell Phones for Dist Office	R	1/20/2011	1,335.73		007051		1,335.73
00128	INTERNAL REVENUE SERVICE							
I-T1 201101110388	Federal Withholding	D	1/12/2011	20,237.95		011211		
I-T3 201101110388	FICA Withholding	D	1/12/2011	16,559.11		011211		
I-T4 201101110388	Medicare Withholding	D	1/12/2011	4,617.38		011211		41,414.44
00049	STATE OF CALIFORNIA							
I-T2 201101110388	State Withholding	D	1/12/2011	7,002.15		011212		7,002.15
00187	CALPERS							
I-PER201101110388	PERS EMPLOYEE PORTION	D	1/12/2011	9,553.51		011213		
I-PRR201101110388	PERS EMPLOYER PORTION	D	1/12/2011	10,168.86		011213		19,722.37

* * T O T A L S * *	NO	CHECK AMOUNT	DISCOUNTS	TOTAL APPLIED
REGULAR CHECKS:	97	1,602,005.93	0.00	1,602,005.93
HAND CHECKS:	0	0.00	0.00	0.00
DRAFTS:	3	68,138.96	0.00	68,138.96
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	0.00	0.00

TOTAL ERRORS: 0

VENDOR SET: 01	BANK: AP	TOTALS:	100	1,670,144.89	0.00	1,670,144.89
BANK: AP	TOTALS:		100	1,670,144.89	0.00	1,670,144.89
REPORT TOTALS:			101	1,670,144.89	0.00	1,670,144.89

CASITAS MUNICIPAL WATER DISTRICT  
Inter-Office Memorandum

DATE: January 21, 2011  
TO: Board of Directors  
FROM: General Manager, Steve Wickstrum  
Re: Finance Committee Meeting of January 21, 2011

**RECOMMENDATION:**

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

**BACKGROUND AND OVERVIEW:**

1. **Roll Call.**  
Director Bergen and Director Word  
Staff – Steve Wickstrum and Denise Collin
2. **Public comments.**  
None.
3. **Board/Management comments.**  
Director Word commented that he would like to change future Finance Committee meetings to 9:30 am. This change of schedule was acceptable to the committee members.
4. **Discussion regarding the Letter of Protest regarding Delinquency Fees applied to the City of Ventura.**  
The Committee discussed further consideration of delinquent fee relief for the City of Ventura. The Committee suggests that the delinquency fee be reduced by 50% with the provision that the City agree that future delinquencies are not to be forgiven. This suggested resolution of the protest will be moved forward to the Board for consideration.
5. **Review of the Financial Statement for December 2010.**  
The Committee reviewed the December 2010 financial statement. While water sales are keeping pace with budget projections, sales are lagging from last year's pace, an indication of a cool summer and wet fall. The Committee discussed several areas for clarification. There were no unusual or unexplained items during the review.
6. **Review of the Water Consumption Report for October 2010.**  
Denise Collin stated that a problem in the report is currently being work on, therefore the report is not available at this time. When the report is corrected, it will be provided to the committee.

7. **Discussion regarding the Auditor selection for the upcoming year.**

Denise Collin presented an overview of her interactions and process with the auditor services during this past year and suggests consideration to make a change of auditor services. The committee suggested that this recommendation be taken to the Board after consideration of the process needed to make a change.

8. **Review of the budget planning process and schedule.**

The committee discussed the budget planning process and set a schedule for meeting and actions. The schedule is tentatively set as follows:

Jan 17-Feb 18	Staff development of budgets
Feb 17-March 1	General Manager Review with Staff
March 7	Final staff input to Accounting Manager
March 18	Presentation of draft budget to Finance Committee
April 7 (tentative)	Finance Committee review and input - rates
April 14 (tentative)	Final budget review – Finance Committee
April 27	GM Budget presentation to Board Prop 218 start (if necessary)
June 22	Adoption of Budget and Rate hearing

9. **Review of State Water costs.**

Director Bergen had a question regarding a payment to State Water, so the committee discussed some of the background and issues of State Water. Additional questions can and will be addressed in future meetings.



CASITAS MUNICIPAL WATER DISTRICT  
Inter-Office Memorandum

DATE: January 21, 2011  
TO: Board of Directors  
FROM: Denise Collin - Accounting Manager  
Re: City of Ventura - Delinquency Fees of \$ 45,179.60

**RECOMMENDATION:**

The Finance Committee recommends reducing the Delinquency Fee by 50% (\$22,589.80). Written notification of the credit will be provided to the City of Ventura as well as all future Delinquencies will be subject to 10.2.2 of the Rates and Regulations.

**BACKGROUND AND OVERVIEW:**

On September 2, and November 2, 2010 the City of Ventura incurred Delinquency Fees of \$37,567.86 and \$7,611.74 respectfully. The City of Ventura paid the Delinquency Fees under protest and has requested the Board consider reversing a portion of, or all of the Delinquency Fees.

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**CASITAS MUNICIPAL WATER DISTRICT  
INTEROFFICE MEMORANDUM**

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**TO:** STEVE WICKSTRUM, GENERAL MANAGER  
**FROM:** NEIL COLE, CIVIL ENGINEER  
**SUBJECT:** BID AND AWARD CONTRACT-, RECOATING OF VILLANOVA RESERVOIR PIPING AND VAULT APPURTENANCES, SPECIFICATION 10-341  
**DATE:** JANUARY 18, 2011

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**RECOMMENDATION:**

It is recommended that the Board of Directors:

1. Based on evidence presented at a duly noticed hearing, make a determination as to whether A.J. Fistes Corporation is a responsible bidder for this project.
2. In the event that the Board determines, based on the evidence presented, that A.J. Fistes Corporation is the lowest responsible bidder, adopt the resolution accepting the proposal submitted by the lowest responsible bidder and award the contract for the construction of the Recoating of Villanova Reservoir Piping and Vault Appurtenances, Specification 10-341 to A.J. Fistes Corporation in the amount of \$20,457. It is further recommended that the President of the Board execute the agreement for said work and the Board authorize staff to proceed with the administration of the contract.
3. In the event that the Board determines, based on the evidence presented, that A.J. Fistes is not a responsible bidder, adopt the resolution accepting the proposal submitted by the lowest responsible bidder and award the contract for the construction of the Recoating of Villanova Reservoir Piping and Vault Appurtenances, Specification 10-341 to Olympus & Associates., Inc. in the amount of \$32,000. It is further recommended that the President of the Board execute the agreement for said work and the Board authorize staff to proceed with the administration of the contract.

**BACKGROUND AND DISCUSSION:**

The Villanova Reservoir piping and vault appurtenances are in need of a new coating. This project will remove the existing red lead primer and coat the piping and valves with new paint.

The project was advertised through F.W. Dodge. Seven firms submitted proposals. The bid results are:

<b>FIRM</b>	<b>AMOUNT</b>
A.J. Fistes Corp.	\$20,457.00
Olympus & Associates	\$32,000.00
Industrial Coating	\$34,500.00
Olympus Painting Inc	\$44,700.00
Blastco Inc	\$49,000.00
West Industrial Coating	\$58,066.00
Andreas Loizu Fix Painting Co.	\$60,000.00

During the Rincon Reservoir No. 1 coating project, A.J. Fistes Corporation had an incident with a

Casitas electrical power panel. A.J. Fistes Corporation was notified about this problem. A similar incident occurred during the Rincon Reservoir No. 2 coating project. Evidence will be presented to the Board supporting the conclusion that A.J. Fistes Corporation's conduct during these prior projects demonstrates that A.J. Fistes Corporation is not a responsible bidder, and that their bid should be rejected.

A.J. Fistes Corporation has been provided due notice of the January 26, 2011 Board meeting at which the Board will consider this matter. The aforementioned notice described the evidence that the District will present to the Board regarding A.J. Fistes Corporation's non-responsibility, and informed A.J. Fistes, Corporation that it would have an opportunity to present the Board with oral or written evidence of its responsibility.

Olympus & Associates is currently completing the Oak View Reservoir No. 2 coating project in a safe and competent manner.

The FY 2010-11 Budget included \$50,000 for vault painting.

CASITAS MUNICIPAL WATER DISTRICT

**RESOLUTION AWARDING A CONTRACT  
RECOATING OF VILLANOVA RESERVOIR EXTERNAL PIPING AND VAULT  
APPURTENANCES  
SPECIFICATION NO. 10-341**

**WHEREAS**, the District invited bids from qualified contractors for the above-referenced project, and

**WHEREAS**, the District received seven bids; and

**WHEREAS**, the apparent low bidder, A.J. Fistes Corporation submitted a low bid of \$20,457.00

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Casitas Municipal Water District as follows:

1. That the bid from A.J. Fistes Corporation Inc. in the amount of \$20,457.00 be accepted for the Recoating of Villanova Reservoir External Piping and Vault Appurtenances Project (Spec. #10-341) and a contract awarded.

3. That staff is hereby authorized and directed to proceed with the administration of the contract with A.J. Fistes Corporation.

**ADOPTED** this \_\_\_\_\_ day of \_\_\_\_\_, 2011.

\_\_\_\_\_  
President,  
Casitas Municipal Water District

**ATTEST:**

\_\_\_\_\_  
Secretary,  
Casitas Municipal Water District

CASITAS MUNICIPAL WATER DISTRICT

**RESOLUTION AWARDING A CONTRACT  
RECOATING OF VILLANOVA RESERVOIR EXTERNAL PIPING AND VAULT  
APPURTENANCES  
SPECIFICATION NO. 10-341**

**WHEREAS**, the District invited bids from qualified contractors for the above-referenced project, and

**WHEREAS**, the District received seven bids; and

**WHEREAS**, the apparent low bidder, A.J. Fistes Corporation has had safety issues on previous District projects.

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Casitas Municipal Water District as follows:

1. Determine that A.J. Fistes Corporation is not a responsible bidder for this project and reject their bid proposal;
2. That the bid from Olympus & Associates Inc. in the amount of \$32,000.00 be accepted for the Recoating of Villanova Reservoir External Piping and Vault Appurtenances Project (Spec. #10-341) and a contract awarded.
3. That staff is hereby authorized and directed to proceed with the administration of the contract with Olympus & Associates, Inc.

**ADOPTED** this \_\_\_\_\_ day of \_\_\_\_\_, 2011.

\_\_\_\_\_  
President,  
Casitas Municipal Water District

**ATTEST:**

\_\_\_\_\_  
Secretary,  
Casitas Municipal Water District

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**CASITAS MUNICIPAL WATER DISTRICT  
INTEROFFICE MEMORANDUM**

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**TO:** GENERAL MANAGER, STEVE WICKSTRUM  
**FROM:** PRINCIPAL CIVIL ENGINEER, NEIL COLE  
**SUBJECT:** ADOPT RESOLUTION TO FILE NOTICE OF EXEMPTION FOR THE  
REPLACEMENT OF RINCON 2(M) PIPELINE  
**DATE:** DECEMBER 29, 2010

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**Recommendation:**

It is recommended that the Board of Directors adopt the attached resolution to file the Notice of Exemption for the Rincon 2(M) pipeline replacement.

**Background:**

The Rincon 2(M) pipeline between stations 65 and 77 crosses a large ravine. The pipeline in this area has suffered damage in the past and is vulnerable to damage in the future. Approximately 1010 feet of new pipe will be installed using direction drilling methods. Directional drilling has been selected because this method minimizes environmental impacts and is cost effective.

The plans and specifications for the project are close to completion. Staff is working with the property owner to obtain the necessary easements for the replacement pipeline. A Notice of Exemption is recommended to be filed at least 35 days before construction is scheduled to begin.

CASITAS MUNICIPAL WATER DISTRICT

**RESOLUTION APPROVING THE PRELIMINARY ASSESSMENT  
FOR THE RINCON 2(M) PIPELINE REPLACEMENT PROJECT, ADOPTING THE NOTICE  
OF EXEMPTION, AND  
DIRECTING THE NOTICE OF EXEMPTION TO BE FILED WITH  
THE CLERK OF THE COUNTY OF VENTURA**

WHEREAS, a Preliminary Assessment has been conducted that determined that the project is exempt because said project is considered to be a statutory exempt project under Section 21080.21 of the Public Resource Code and Section 15282(k) of the CEQA guidelines;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Casitas Municipal Water District as follows:

1. The Board finds that the Rincon 2(m) Pipeline Replacement Project meets the requirements of Section 21080.21 of the Public Resources Code and Section 15282(k) of the CEQA guidelines.
2. That the Notice of Exemption for the Rincon 2(m) Pipeline Replacement Project attached hereto as Exhibit "A" is hereby adopted.
3. That the Clerk of the Board files the Notice of Exemption with the Clerk of the County of Ventura.

ADOPTED this 26<sup>th</sup> day of January, 2011.

\_\_\_\_\_  
President,  
Casitas Municipal Water District

ATTEST

\_\_\_\_\_  
Secretary,  
Casitas Municipal Water District

PRELIMINARY ASSESSMENT  
Casitas Municipal Water District  
1055 Ventura Avenue  
Oak View, California 93022

TO: Clerk's Office,  
Ventura County  
800 South Victoria Avenue  
Ventura, California 93009

**Description and Purpose of Project:**

**A) Proposed Revision in Water Rates**

1. The revision to water rates and standby charges apply to all customers.

**B) Proposed Use of Increased Revenue**

Revenues generated from the water rate revisions will be utilized to:

1. Meet operations and maintenance costs
2. Purchase of equipment or materials
3. Meeting financial reserve needs
4. Obtaining funds for capital projects necessary to maintain service within existing service areas.

**Preliminary Assessment:**

Under Section 21080(b)(8) of Chapter 2.6 of Division 13 of the CEQA statutes and Section 15273(a)(1) of the CEQA guidelines, this project is a categorically exempt discretionary project.

**Project Title:** Revision to the Rates & Regulations for Water Service due to increased costs, purchase of equipment, meeting financial reserves and obtaining funds for capital projects

**Project Location:** District-wide.

**Name of Public Agency Approving Project:** Casitas Municipal Water District

**Name of Public Agency Carrying Out Project:** Casitas Municipal Water District

**Contact Person:** Steven E. Wickstrum, General Manager

**Date:** August 29, 2007 **Phone Number:** (805) 649-2251.

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Steven E. Wickstrum  
General Manager



**NOTICE OF EXEMPTION**  
Casitas Municipal Water District  
1055 Ventura Avenue  
Oak View, California 93022 TO:

Clerk's Office  
Ventura County  
800 South Victoria Avenue  
Ventura, California 93009

**Project Title:** Preliminary Assessment for the Revision of Water Rates - Resolution No.07-

**Project Location:** District-wide

**Description and Purpose of Project:**

**A) Proposed Revision in Water Rates - Resolution No. 07-**

1. The revision to water rates and standby charges apply to all customers.

**B) Proposed Use of Increased Revenue:**

Revenues generated from the water rate revisions will be utilized to:

1. Meet operations and maintenance costs
2. Purchase of equipment or materials
3. Meeting financial reserve needs
4. Obtaining funds for capital projects necessary to maintain service within existing service areas.

**Name of Public Agency Approving Project:** Casitas Municipal Water District.

**Name of Public Agency Carrying Out Project:** Casitas Municipal Water District.

**Exempt Status:** The project is considered categorically exempt under the provisions of Section 21080(b)(8) of Chapter 2.6 of Division 13 of the CEQA statutes and Section 15273(a)(1) of the CEQA guidelines.

**Contact Person:** Steven E. Wickstrum,  
General Manager  
Phone Number: (805) 649-2251.

Attached is a copy of Resolution No.07- adopted by the Casitas Municipal Water District on August 29, 2007.

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Steven E. Wickstrum  
General Manager  
Casitas Municipal Water District

# Notice of Exemption

To:  Office of Planning and Research  
1400 Tenth Street, Room 121  
Sacramento, CA 95814

From: (Public Agency) Casitas Municipal Water District  
1055 Ventura Ave.  
Oak View, CA 93022

County Clerk  
County of Ventura

Project Title: Casitas Municipal Water District Rincon 2(M) Pipeline Replacement Project

Project Location - Specific: Casitas Municipal Water District Rincon 2(M) pipeline at the ravine crossing above Rincon Point, west of the community of La Conchita: N 34.22.09°, W 119.26.23° (NAD 83 datum)

Project Location - City: Unincorporated Project Location - County: Ventura

### Description of Nature, Purpose, and Beneficiaries of Project:

Replacement of an existing 14" potable water pipeline that has been exposed and subject to wash out during heavy rains. Directional drilling would be used to locate the replacement pipe approximately 35' below the ground surface at the bottom of the ravine. This is a permanent solution to prevent future damage to the pipeline in this remote area.

Name of Public Agency Approving Project: Co. of Ventura, U.S.Army Corps of Engineers, CA. Dept. Fish&Game

Name of Person or Agency Carrying Out Project: Casitas Municipal Water District

### Exempt Status: (check one)

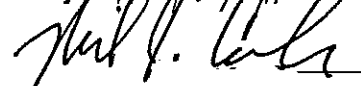
- Ministerial (Sec. 21080(b)(1); 15268);
- Declared Emergency (Sec. 21080(b)(3); 15269(a));
- Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- Categorical Exemption. State type and section number:
- Statutory Exemptions. State code number: 15282(k)

Reasons why project is exempt: Project involves replacement of a pipeline, including the removal of the old pipeline and installation of a new 1,700 linear foot (less than one mile) segment of pipeline, which is statutorily exempt per §15282(k) of the CEQA guidelines and pursuant to Public Resource Code § 21080.21.

Lead Agency Neil Cole Area Code/Telephone/Extension: (805) 649-2251

### If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project?  Yes  No

Signature:  Date: 12/29/10 Title: Principal Civil Engineer

Signed by Lead Agency

Date received for filing at OPR:

Signed by Applicant

### Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613  
 For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH #
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**Project Title:** Casitas Municipal Water District Rincon (2) Pipeline Replacement Project

Lead Agency: Casitas Municipal Water District Contact Person: NEIL COLE  
 Mailing Address: 1055 Ventura Ave Phone: 805 649-2251  
 City: Oak View, CA 93022 Zip: \_\_\_\_\_ County: Ventura

**Project Location:** County: Unincorporated Ventura County City/Nearest Community: La Conchita

Cross Streets: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Longitude/Latitude (degrees, minutes and seconds): 34 ° 22 ' 09 " N / 119 ° 26 ' 23 " W Total Acres: \_\_\_\_\_

Assessor's Parcel No.: \_\_\_\_\_ Section: \_\_\_\_\_ Twp.: \_\_\_\_\_ Range: \_\_\_\_\_ Base: \_\_\_\_\_

Within 2 Miles: State Hwy #: 101 Waterways: Pacific Ocean

Airports: \_\_\_\_\_ Railways: \_\_\_\_\_ Schools: \_\_\_\_\_

**Document Type:**

- |                                      |                                                    |                                    |                                                |
|--------------------------------------|----------------------------------------------------|------------------------------------|------------------------------------------------|
| CEQA: <input type="checkbox"/> NOP   | <input type="checkbox"/> Draft EIR                 | NEPA: <input type="checkbox"/> NOI | Other: <input type="checkbox"/> Joint Document |
| <input type="checkbox"/> Early Cons  | <input type="checkbox"/> Supplement/Subsequent EIR | <input type="checkbox"/> EA        | <input type="checkbox"/> Final Document        |
| <input type="checkbox"/> Neg Dec     | (Prior SCH No.) _____                              | <input type="checkbox"/> Draft EIS | <input type="checkbox"/> Other: _____          |
| <input type="checkbox"/> Mit Neg Dec | Other: <u>Notice of Exemption</u>                  | <input type="checkbox"/> FONSI     |                                                |

**Local Action Type:**

- |                                                 |                                                   |                                                            |                                         |
|-------------------------------------------------|---------------------------------------------------|------------------------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> General Plan Update    | <input type="checkbox"/> Specific Plan            | <input type="checkbox"/> Rezone                            | <input type="checkbox"/> Annexation     |
| <input type="checkbox"/> General Plan Amendment | <input type="checkbox"/> Master Plan              | <input type="checkbox"/> Prezone                           | <input type="checkbox"/> Redevelopment  |
| <input type="checkbox"/> General Plan Element   | <input type="checkbox"/> Planned Unit Development | <input type="checkbox"/> Use Permit                        | <input type="checkbox"/> Coastal Permit |
| <input type="checkbox"/> Community Plan         | <input type="checkbox"/> Site Plan                | <input type="checkbox"/> Land Division (Subdivision, etc.) | <input type="checkbox"/> Other: _____   |

**Development Type:**

- |                                                                               |                                                                |
|-------------------------------------------------------------------------------|----------------------------------------------------------------|
| <input type="checkbox"/> Residential: Units _____ Acres _____                 | <input type="checkbox"/> Transportation: Type _____            |
| <input type="checkbox"/> Office: Sq.ft. _____ Acres _____ Employees _____     | <input type="checkbox"/> Mining: Mineral _____                 |
| <input type="checkbox"/> Commercial: Sq.ft. _____ Acres _____ Employees _____ | <input type="checkbox"/> Power: Type _____ MW _____            |
| <input type="checkbox"/> Industrial: Sq.ft. _____ Acres _____ Employees _____ | <input type="checkbox"/> Waste Treatment: Type _____ MGD _____ |
| <input type="checkbox"/> Educational: _____                                   | <input type="checkbox"/> Hazardous Waste: Type _____           |
| <input type="checkbox"/> Recreational: _____                                  | <input type="checkbox"/> Other: _____                          |
| <input checked="" type="checkbox"/> Water Facilities: Type _____ MGD _____    |                                                                |

**Pipeline Replacement**

**Project Issues Discussed in Document:**

- |                                                   |                                                     |                                                          |                                                   |
|---------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|
| <input type="checkbox"/> Aesthetic/Visual         | <input type="checkbox"/> Fiscal                     | <input type="checkbox"/> Recreation/Parks                | <input type="checkbox"/> Vegetation               |
| <input type="checkbox"/> Agricultural Land        | <input type="checkbox"/> Flood Plain/Flooding       | <input type="checkbox"/> Schools/Universities            | <input type="checkbox"/> Water Quality            |
| <input type="checkbox"/> Air Quality              | <input type="checkbox"/> Forest Land/Fire Hazard    | <input type="checkbox"/> Septic Systems                  | <input type="checkbox"/> Water Supply/Groundwater |
| <input type="checkbox"/> Archeological/Historical | <input type="checkbox"/> Geologic/Seismic           | <input type="checkbox"/> Sewer Capacity                  | <input type="checkbox"/> Wetland/Riparian         |
| <input type="checkbox"/> Biological Resources     | <input type="checkbox"/> Minerals                   | <input type="checkbox"/> Soil Erosion/Compaction/Grading | <input type="checkbox"/> Growth Inducement        |
| <input type="checkbox"/> Coastal Zone             | <input type="checkbox"/> Noise                      | <input type="checkbox"/> Solid Waste                     | <input type="checkbox"/> Land Use                 |
| <input type="checkbox"/> Drainage/Absorption      | <input type="checkbox"/> Population/Housing Balance | <input type="checkbox"/> Toxic/Hazardous                 | <input type="checkbox"/> Cumulative Effects       |
| <input type="checkbox"/> Economic/Jobs            | <input type="checkbox"/> Public Services/Facilities | <input type="checkbox"/> Traffic/Circulation             | <input type="checkbox"/> Other: _____             |

**Present Land Use/Zonina/General Plan Designation:**

Agricultural

**Project Description:** *(please use a separate page if necessary)*

Replacement of an existing 14" potable water pipe that has been exposed and subject to wash out during heavy rains.

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

**Reviewing Agencies Checklist**

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with an "X".  
If you have already sent your document to the agency please denote that with an "S".

- |                                                                      |                                                                              |
|----------------------------------------------------------------------|------------------------------------------------------------------------------|
| <input type="checkbox"/> Air Resources Board                         | <input type="checkbox"/> Office of Emergency Services                        |
| <input type="checkbox"/> Boating & Waterways, Department of          | <input type="checkbox"/> Office of Historic Preservation                     |
| <input type="checkbox"/> California Highway Patrol                   | <input type="checkbox"/> Office of Public School Construction                |
| <input type="checkbox"/> Caltrans District # _____                   | <input type="checkbox"/> Parks & Recreation, Department of                   |
| <input type="checkbox"/> Caltrans Division of Aeronautics            | <input type="checkbox"/> Pesticide Regulation, Department of                 |
| <input type="checkbox"/> Caltrans Planning                           | <input type="checkbox"/> Public Utilities Commission                         |
| <input type="checkbox"/> Central Valley Flood Protection Board       | <input type="checkbox"/> Regional WQCB # _____                               |
| <input type="checkbox"/> Coachella Valley Mtns. Conservancy          | <input type="checkbox"/> Resources Agency                                    |
| <input checked="" type="checkbox"/> Coastal Commission               | <input type="checkbox"/> S.F. Bay Conservation & Development Comm.           |
| <input type="checkbox"/> Colorado River Board                        | <input type="checkbox"/> San Gabriel & Lower L.A. Rivers & Mtns. Conservancy |
| <input type="checkbox"/> Conservation, Department of                 | <input type="checkbox"/> San Joaquin River Conservancy                       |
| <input type="checkbox"/> Corrections, Department of                  | <input type="checkbox"/> Santa Monica Mtns. Conservancy                      |
| <input type="checkbox"/> Delta Protection Commission                 | <input type="checkbox"/> State Lands Commission                              |
| <input type="checkbox"/> Education, Department of                    | <input type="checkbox"/> SWRCB: Clean Water Grants                           |
| <input type="checkbox"/> Energy Commission                           | <input type="checkbox"/> SWRCB: Water Quality                                |
| <input checked="" type="checkbox"/> Fish & Game Region # <u>5</u>    | <input type="checkbox"/> SWRCB: Water Rights                                 |
| <input type="checkbox"/> Food & Agriculture, Department of           | <input type="checkbox"/> Tahoe Regional Planning Agency                      |
| <input type="checkbox"/> Forestry and Fire Protection, Department of | <input type="checkbox"/> Toxic Substances Control, Department of             |
| <input type="checkbox"/> General Services, Department of             | <input type="checkbox"/> Water Resources, Department of                      |
| <input type="checkbox"/> Health Services, Department of              | <input type="checkbox"/> Other: _____                                        |
| <input type="checkbox"/> Housing & Community Development             | <input type="checkbox"/> Other: _____                                        |
| <input type="checkbox"/> Integrated Waste Management Board           |                                                                              |
| <input type="checkbox"/> Native American Heritage Commission         |                                                                              |

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Local Public Review Period (to be filled in by lead agency)

Starting Date January 13, 2011 Ending Date February 18, 2011

Lead Agency (Complete if applicable):

Consulting Firm: \_\_\_\_\_ Applicant: \_\_\_\_\_  
 Address: \_\_\_\_\_ Address: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_ City/State/Zip: \_\_\_\_\_  
 Contact: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Phone: \_\_\_\_\_

Signature of Lead Agency Representative: [Signature] Date: 12/29/10

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

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**INTEROFFICE MEMORANDUM**

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**TO:** STEVE WICKSTRUM, GENERAL MANAGER  
**FROM:** TODD EVANS, ASSISTANT CIVIL ENGINEER  
**SUBJECT:** HYDROLOGY REPORT – WATER YEAR 2009/2010  
**DATE:** 11/30/2010  
**CC:**

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**Recommendation:**

It is recommended that the hydrology report be provided to the Board of Directors for their information.

**Background:**

The Casitas Municipal Water District is required by water rights license to account for its water resources. The accounting is being performed on a daily basis and summarized at the close of each water year. The summaries provide excellent insight on the hydrologic trends of the Ventura River system and water use responses to rainfall (or drought) events.

Water Year 09/10 was a slightly above average rainfall year. Diversions from the Ventura River took place from mid January to the last days of April.

Staff is providing the summary report for the review by the Board of Directors. If you have any questions regarding this summary report, please bring those questions to my attention. I am also prepared to present the summary report to the Board of Directors.

# CASITAS MUNICIPAL WATER DISTRICT

## HYDROLOGY REPORT WATER YEAR 2009 - 2010

November 28, 2010

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 2009-10.

### Water Year 2009-10 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 2009-2010 began on October 1, 2009, and ended September 30, 2010.

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 2009-2010.

- **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 for water year 2009-2010 was slightly above the combined average of 25.70 inches. Rainfall totals were twice what they last year, bringing a total of 31.13 inches and 36.54 inches of rainfall to Casitas Dam and Matilija Dam, respectively. Most of the rainfall occurred between the months of October thru April with the last two weeks in January being the wettest month, and receiving approximately 9 inches.

The storm that brought the largest one day total, 5.80 inches of rain to Casitas Dam and 8.44 inches at Matilija Dam, occurred on October 14, 2009.

It being an above average year for rainfall, there were 19 days when we received over a ½” of rain. The rain events occurred somewhat irregularly with a major storm in the middle of October and then no rain until the second week of December. Rain then occurred sporadically with the last record rain occurring on May 28<sup>th</sup>. By this point the rain had no 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 last 10 weeks of the water year is unavailable at this time. However, as of mid-July the annual flow from Matilija Dam totaled 15,734 acre-feet (AF), while the annual flow from the North Fork of Matilija Creek was 5,023 AF.

There were diversions at the Robles Diversion Dam totaling 6463 AF. The facility was operated in accordance with the BA/BO.

The weir at the Robles Diversion Dam was dry by early August.

- **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.

Although rainfall was slightly above average, Lake Casitas Reservoir saw an over all decline in the lake level from the start to the end of the water year. The lake level slowly declined until the rains hit in February thru May. The lake then began to recede again thru the end of the water year on September 30, 2010. This drop was a net loss of 1,161AF of stored water in the lake.

The District controlled all releases from Matilija Dam during all non-spill periods. Controlled releases took place on Jan 22<sup>nd</sup> and on March 22<sup>nd</sup>.

Water deliveries to the main conveyance system, including the Mira Monte well, totaled 15,635 AF, which is approximately 1,963 AF less than last year.

- **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.

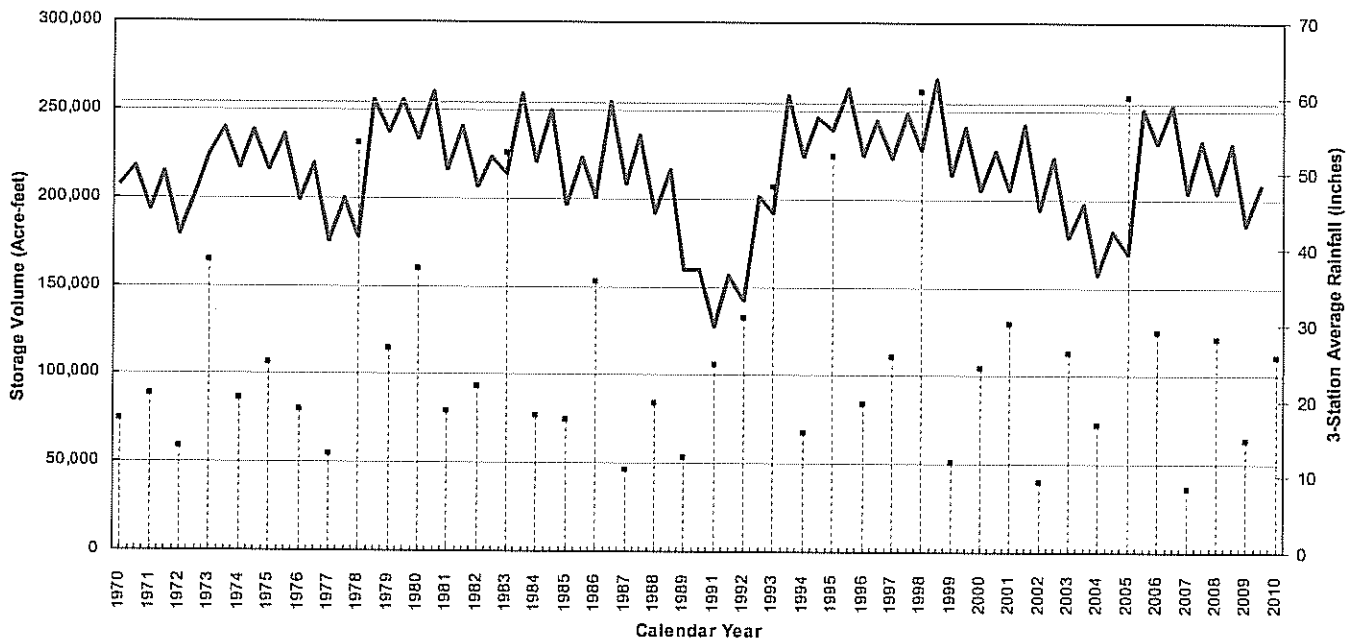


## Historical Hydrology Period – Water Years 1959 through 2009

The historical data has been updated for the reporting period and is presented for the period from 1959 to 2010. 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 2009-2010 was standard for the types of rainfall events that occurred during the period.

LAKE CASITAS STORAGE VOLUME  
1970 to 2010

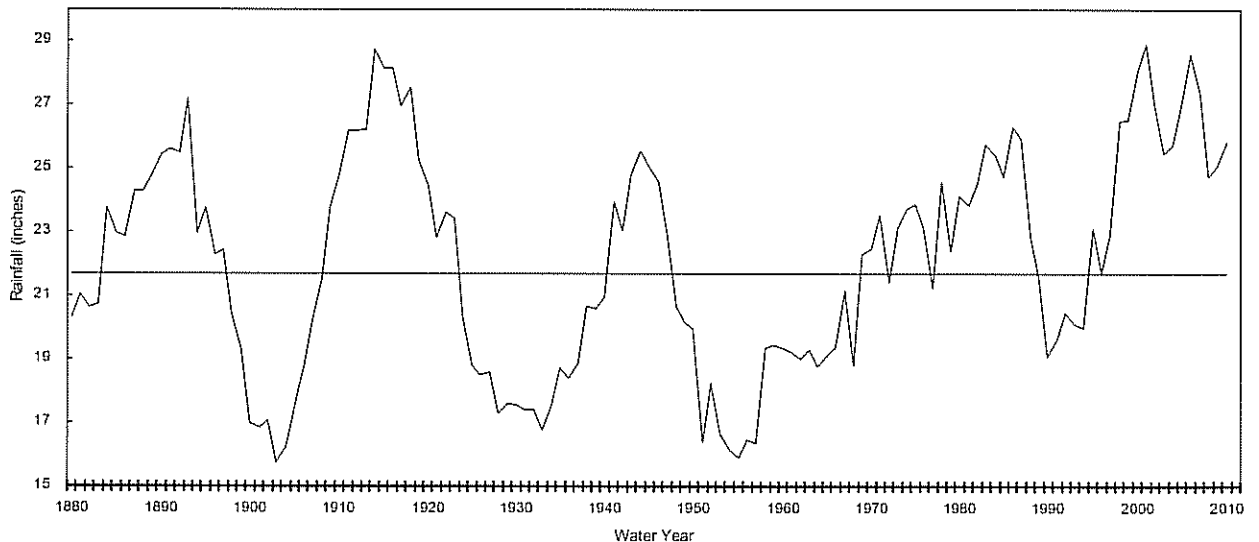


## Trends

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.

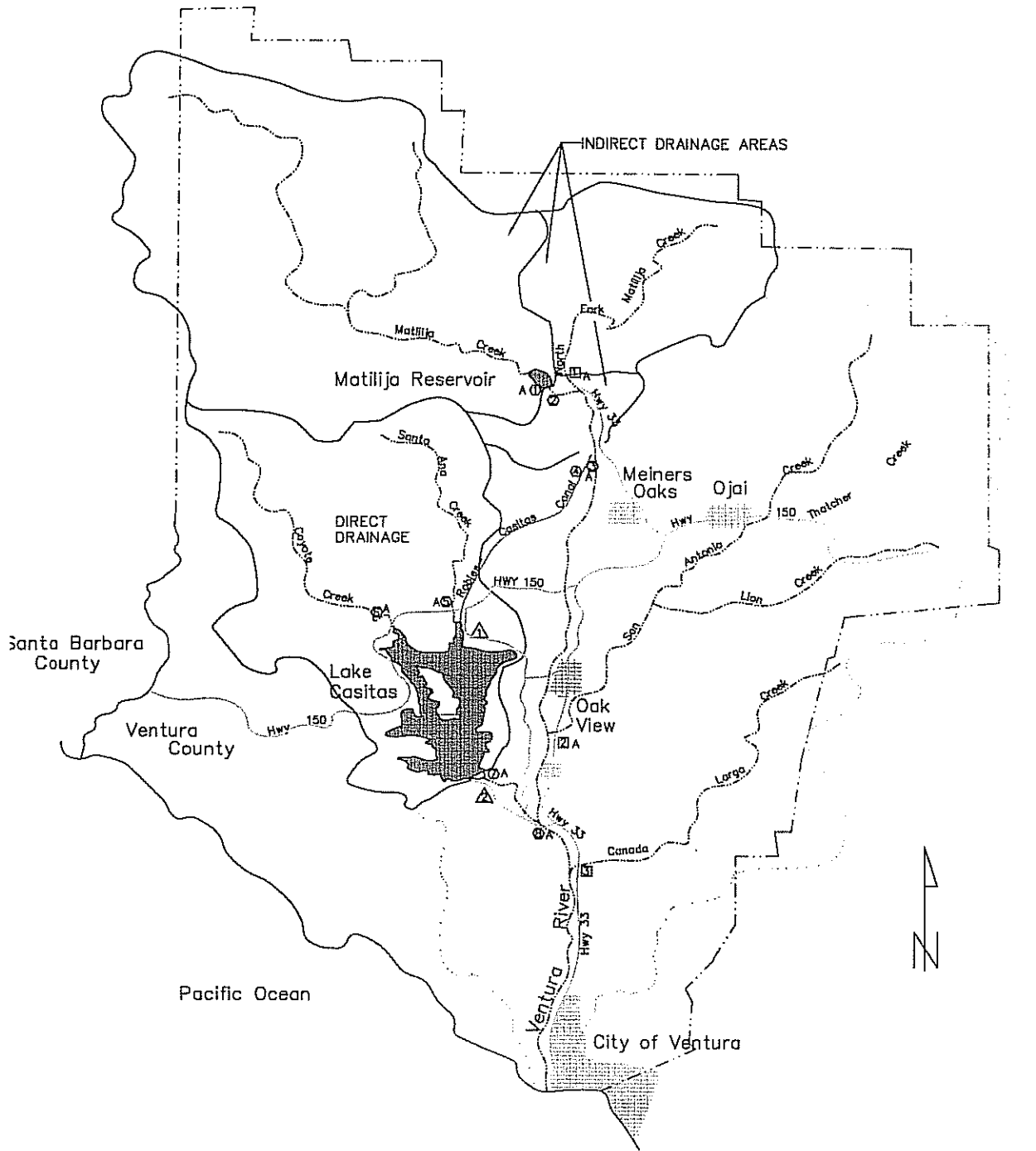
**Progressive Ten-year Mean Precipitation.** The trend presented here is a progressive ten-year mean of precipitation. It is created by calculating an average consisting of this year's average rainfall combined with the last 9 years. The trending of the ten-year mean has resulted in what appears to be 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 2009-2010.

### 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
<b>TOTAL</b>	<b>108.54</b>

## 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 Larga 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  
2009/10 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 '09	541.17	189463	-599	7	-592	1224	598	1377	0	-1342	
NOV '09	540.58	188121	-554	0	-554	0	332	1354	0	-2240	
DEC '09	539.59	185881	8	0	8	908	197	719	0	0	
JAN '10	539.59	185881	4195	3455	7650	1666	196	735	0	8385	
FEB '10	543.26	194266	1968	1950	3918	1159	173	474	0	4431	
MAR '10	545.16	198697	1317	684	2000	84	566	671	0	848	
APR '10	545.52	199545	219	367	586	608	600	500	0	94	
MAY '10	545.65	199639	376	0	376	51	974	1753	0	-2300	
JUN '10	544.58	197339	-255	0	-255	0	600	2078	0	-2934	
JUL '10	543.32	194405	-64	0	-64	0	1005	1906	0	-2975	
AUG '10	542.03	191430	-179	0	-179	0	993	1956	0	-3128	
SEP '10	540.66	188302	-210	0	-210	0	735	1904	0	-2849	
OCT '10			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
TOTAL			6221	6463	12685	5700	6968	15428	0	-4010	

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

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CASITAS RESERVOIR OPERATION  
OCTOBER 2009

\*figures in acre-feet except where otherwise noted

Elevation	189463 Storage	Surface Area (acres)	INFLOW			EVAPORATION			PRECIPITATION			RELEASES				
			Direct	Ventura River	Divers'n	Total	Pan @ Dam (in)	Pan @ Rec (in)	Lake Total	at Dam (in)	at Rec (in)	Lake Total	Main System	To River	To Spill	STORAGE CHANGE
541.10	189303	2280	-51	0	0	-51	0.19	0.19	0.19	0	0	0	83	0	0	-160
541.02	189119	2278	-72	0	0	-72	0.24	0.26	0.26	0	0	0	76	0	0	-184
540.94	188938	2276	-95	0	0	-95	0.07	0.21	0.21	0	0	0	67	0	0	-182
540.86	188756	2275	-104	0	0	-104	0.10	0.21	0.21	0	0	0	56	0	0	-182
540.81	188643	2275	-26	0	0	-26	0.00	0.12	0.12	9	0	0	79	0	0	-114
540.75	188507	2273	-34	0	0	-34	0.12	0.15	0.15	19	0	0	83	0	0	-136
540.70	188393	2273	-15	0	0	-15	0.10	0.16	0.16	18	0	0	80	0	0	-114
540.65	188280	2271	-21	0	0	-21	0.09	0.11	0.11	14	0	0	78	0	0	-114
540.61	188189	2271	-6	0	0	-6	0.10	0.21	0.21	22	0	0	63	0	0	-91
540.57	188098	2270	-18	0	0	-18	0.11	0.10	0.10	15	0	0	57	0	0	-91
540.55	188053	2270	15	0	0	15	0.09	0.11	0.11	14	0	0	46	0	0	-45
540.50	187939	2270	-56	0	0	-56	0.14	0.10	0.10	17	0	0	41	0	0	-114
540.48	187894	2268	-95	7	0	-88	0.00	0.00	0.00	0	0.69	75	33	0	0	-45
540.92	188892	2276	-106	0	0	-106	0.00	0.00	0.00	0	5.8	6.1	24	0	0	999
540.98	189029	2276	134	0	0	134	0.00	0.00	0.00	0	0.1	0.12	19	0	0	136
540.98	189029	2276	35	0	0	35	0.15	0.13	0.13	20	0	0	15	0	0	0
540.97	189006	2276	30	0	0	30	0.20	0.27	0.27	33	0	0	20	0	0	-23
540.93	188915	2276	-50	0	0	-50	0.05	0.23	0.23	20	0	0	20	0	0	-91
540.90	188847	2276	-31	0	0	-31	0.13	0.15	0.15	20	0	0	17	0	0	-68
540.90	188847	2276	37	0	0	37	0.11	0.17	0.17	20	0	0	17	0	0	0
540.87	188779	2275	-26	0	0	-26	0.12	0.18	0.18	21	0	0	21	0	0	-68
540.85	188734	2275	-1	0	0	-1	0.11	0.26	0.26	26	0	0	18	0	0	-45
540.85	188734	2275	52	0	0	52	0.16	0.13	0.13	21	0	0	31	0	0	0
540.83	188688	2275	18	0	0	18	0.10	0.18	0.18	20	0	0	44	0	0	-45
540.80	188620	2275	-37	0	0	-37	0.03	0.14	0.14	12	0	0	19	0	0	-68
540.79	188597	2273	38	0	0	38	0.15	0.15	0.15	21	0	0	39	0	0	-23
540.75	188507	2273	-11	0	0	-11	0.10	0.31	0.31	29	0	0	51	0	0	-91
540.70	188393	2273	-46	0	0	-46	0.16	0.19	0.19	25	0	0	42	0	0	-114
540.65	188280	2271	-48	0	0	-48	0.07	0.27	0.27	24	0	0	42	0	0	-114
540.61	188189	2271	-10	0	0	-10	0.13	0.28	0.28	29	0	0	52	0	0	-91
540.58	188121	2270	-3	0	0	-3	0.07	0.25	0.25	23	0	0	42	0	0	-68
			-599	7	0	-592	3.19	5.22	5.22	598	6.00	6.91	1377	0	0	-1343

r capacity = 254,000 acre-feet at 567 ft. elevation.  
 e = estimate  
 servoi inflow values may be negative due to inaccuracies of the evaporation coefficients (supplied by the USBR)  
 ion 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  
NOVEMBER 2009

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW			EVAPORATION			PRECIPITATION			RELEASES			
	Elevation	Surface Area (acres)	Direct	Ventura River	Total	@Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	To Main System	River	Spill	STORAGE CHANGE
1	540.55	188053	-28	0	-28	0.07	0.10	12	0	0	0	28	0	0	-68
2	540.53	188007	32	0	32	0.09	0.13	16	0	0	0	62	0	0	-45
3	540.50	187939	10	0	10	0.06	0.22	20	0	0	0	58	0	0	-68
4	540.46	187848	-27	0	-27	0.05	0.13	13	0	0	0	50	0	0	-91
5	540.44	187803	7	0	7	0.05	0.00	4	0	0	0	49	0	0	-45
6	540.40	187712	-15	0	-15	0.05	0.20	18	0	0	0	58	0	0	-91
7	540.37	187644	-10	0	-10	0.05	0.09	10	0	0	0	48	0	0	-68
8	540.32	187530	-80	0	-80	0.06	0.09	11	0	0	0	23	0	0	-114
9	540.30	187485	9	0	9	0.03	0.11	10	0	0	0	44	0	0	-45
10	540.27	187417	-16	0	-16	0.06	0.11	12	0	0	0	40	0	0	-68
11	540.25	187372	22	0	22	0.06	0.06	9	0	0	0	59	0	0	-45
12	540.21	187281	-46	0	-46	0.07	0.02	6	0	0	0	38	0	0	-91
13	540.17	187190	-50	0	-50	0.03	0.04	5	0	0	0	36	0	0	-91
14	540.12	187076	-57	0	-57	0.07	0.14	15	0	0	0	41	0	0	-114
15	540.10	187031	-3	0	-3	0.02	0.10	9	0	0	0	33	0	0	-45
16	540.07	186962	6	0	6	0.09	0.14	16	0	0	0	59	0	0	-70
17	540.05	186917	15	0	15	0.05	0.09	10	0	0	0	50	0	0	-45
18	540.00	186804	-57	0	-57	0.04	0.06	7	0	0	0	48	0	0	-113
19	539.97	186737	6	0	6	0.05	0.08	9	0	0	0	64	0	0	-68
20	539.94	186669	-7	0	-7	0.06	0.07	9	0	0	0	52	0	0	-68
21	539.90	186579	-35	0	-35	0.04	0.15	14	0	0	0	41	0	0	-90
22	539.88	186535	1	0	1	0.03	0.09	9	0	0	0	37	0	0	-44
23	539.87	186512	46	0	46	0.04	0.07	8	0	0	0	61	0	0	-23
24	539.86	186490	25	0	25	0.04	0.05	6	0	0	0	41	0	0	-23
25	539.82	186399	-36	0	-36	0.03	0.08	8	0	0	0	46	0	0	-90
26	539.78	186308	-50	0	-50	0.12	0.00	9	0	0	0	33	0	0	-91
27	539.73	186196	-59	0	-59	0.20	0.08	20	0	0	0	33	0	0	-113
28	539.69	186106	-27	0	-27	0.07	0.09	11	0	0	0	51	0	0	-90
29	539.64	185993	-77	0	-77	0.07	0.11	13	0	0	0	22	0	0	-113
30	539.59	185881	-53	0	-53	0.07	0.12	14	0	0	0	46	0	0	-113
TOTAL			-554	0	-554	1.82	2.82	332	0.00	0.00	0	1354	0	0	-2240

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 2009

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW			EVAPORATION			PRECIPITATION			RELEASES			
	Elevation	185881 Storage	Surface Area (acres)	Direct	Ventura River Diversh	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	To Main System	River Spill	STORAGE CHANGE
1	539.58	185858	2253	47	0	47	0.08	0.12	14	0	0	0	56	0	-23
2	539.57	185836	2253	40	0	40	0.05	0.08	9	0	0	0	54	0	-23
3	539.54	185768	2253	-6	0	-6	0.07	0.12	13	0	0	0	48	0	-68
4	539.50	185678	2253	-44	0	-44	0.06	0.11	12	0	0	0	34	0	-90
5	539.47	185611	2251	-35	0	-35	0.05	0.03	6	0	0	0	27	0	-68
6	539.44	185543	2251	-33	0	-33	0.06	0.06	8	0	0	0	26	0	-68
7	539.48	185633	2251	-20	0	-20	0.00	0.00	0	0.78	0.55	125	15	0	90
8	539.55	185791	2253	-28	0	-28	0.00	0.00	0	1.22	0.95	204	18	0	158
9	539.54	185768	2253	9	0	9	0.00	0.00	0	0	0	0	32	0	-23
10	539.51	185701	2253	-39	0	-39	0.10	0.10	14	0	0.00	0	14	0	-68
11	539.59	185881	2253	22	0	22	0.00	0.00	0	0.92	0.94	175	17	0	180
12	539.64	185993	2254	-14	0	-14	0.00	0.00	0	0.82	0.68	141	14	0	113
13	539.79	186331	2256	106	0	106	0.00	0.00	0	1.52	1.15	251	20	0	338
14	539.79	186331	2256	18	0	18	0.00	0.00	0	0	0	0	18	0	0
15	539.78	186308	2256	7	0	7	0.08	0.08	11	0	0	0	18	0	-23
16	539.79	186331	2256	48	0	48	0.07	0.07	10	0	0	0	16	0	23
17	539.77	186286	2256	-24	0	-24	0.07	0.07	10	0	0	0	11	0	-45
18	539.78	186308	2256	56	0	56	0.09	0.09	13	0	0	0	21	0	23
19	539.76	186263	2256	-29	0	-29	0.04	0.04	6	0	0	0	11	0	-45
20	539.75	186241	2256	4	0	4	0.07	0.05	8	0	0	0	18	0	-23
21	539.75	186241	2256	33	0	33	0.06	0.15	15	0	0	0	18	0	0
22	539.74	186218	2256	0	0	0	0.00	0.00	0	0.01	0	1	23	0	-23
23	539.71	186151	2256	-46	0	-46	0.01	0.01	1	0	0	0	21	0	-68
24	539.70	186128	2256	7	0	7	0.07	0.13	14	0	0	0	15	0	-23
25	539.68	186083	2254	-26	0	-26	0.00	0.00	0	0	0	0	19	0	-45
26	539.65	186016	2254	-47	0	-47	0.00	0.08	6	0	0	0	14	0	-68
27	539.64	185993	2254	4	0	4	0.03	0.05	6	0	0	0	21	0	-23
28	539.63	185971	2254	6	0	6	0.03	0.05	6	0	0	0	23	0	-23
29	539.62	185948	2254	18	0	18	0.03	0.09	8	0	0	0	32	0	-23
30	539.60	185903	2254	-10	0	-10	0.04	0.05	6	0	0	0	28	0	-45
31	539.59	185881	2253	-15	0	-15	0.00	0.00	0	0.06	0.06	11,263	19	0	-23
TOTAL				9	0	9	1.16	1.63	197	5.33	4.33	907	719	0	0

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

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

e = estimate

CASITAS RESERVOIR OPERATION  
JANUARY 2010

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW		EVAPORATION			PRECIPITATION			RELEASES				
	Elevation	Surface Area (acres)	Direct	Ventura River Divers'n	Pan @Dam (in)	Lake Total (in)	Pan @Rec (in)	Dam (in)	at Rec (in)	Lake Total (in)	Main System	To River	Spill	STORAGE CHANGE	
1	539.58	185858	12	0	0.00	13	0.22	0	0	0	22	0	0	-23	
2	539.56	185813	-15	0	0.12	10	0.05	0	0	0	20	0	0	-45	
3	539.56	185813	26	0	0.00	5	0.08	0	0	0	21	0	0	0	
4	539.55	185791	14	0	0.00	6	0.10	0	0	0	31	0	0	-23	
5	539.52	185723	-22	0	0.05	8	0.08	0	0	0	37	0	0	-68	
6	539.50	185678	5	0	0.05	10	0.12	0	0	0	40	0	0	-45	
7	539.48	185633	4	0	0.04	7	0.08	0	0	0	42	0	0	-45	
8	539.46	185588	2	0	0.04	6	0.06	0	0	0	41	0	0	-45	
9	539.44	185543	-6	0	0.05	8	0.08	0	0	0	31	0	0	-45	
10	539.44	185543	27	0	0.03	7	0.09	0	0	0	19	0	0	0	
11	539.42	185498	0	0	0.05	7	0.06	0	0	0	39	0	0	-45	
12	539.40	185453	2	0	0.05	10	0.12	0	0	0	37	0	0	-45	
13	539.41	185476	-11	0	0.00	0	0.00	0.29	0.29	54	21	0	0	23	
14	539.37	185386	-65	0	0.01	8	0.12	0	0	0	16	0	0	-89	
15	539.38	185409	49	0	0.05	12	0.15	0	0	0	14	0	0	23	
16	539.37	185386	-1	0	0.05	9	0.10	0	0	0	13	0	0	-23	
17	539.37	185386	25	0	0.06	9	0.08	0	0	0	16	0	0	0	
18	539.47	185611	-182	170	0.00	0	0.00	1.45	1.3	258	22	0	0	224	
19	540.01	186827	576	255	0.00	0	0.00	2.22	1.99	397	12	0	0	1216	
20	540.28	187440	47	422	0.00	0	0.00	1.01	0.75	166	22	0	0	613	
21	541.20	189531	900	802	0.00	0	0.00	1.95	2.37	411	21	0	0	2091	
22	542.12	191637	1093	759	0.00	0	0.00	1.41	1.51	279	24	0	0	2106	
23	542.64	192792	787	295	0.00	0	0.00	0.54	0.47	97	24	0	0	1155	
24	542.83	193272	362	143	0.04	6	0.06	0	0	0	19	0	0	480	
25	542.91	193456	43	168	0.02	8	0.10	0	0	0	20	0	0	184	
26	543.03	193732	85	222	0.07	13	0.14	0	0	0	17	0	0	276	
27	543.15	194011	207	93	0.03	4	0.03	0.01	0.03	4	22	0	0	279	
28	543.20	194127	88	52	0.02	6	0.07	0	0	0	19	0	0	116	
29	543.23	194197	67	34	0.08	11	0.09	0	0	0	21	0	0	70	
30	543.25	194243	47	21	0.04	5	0.04	0	0	0	17	0	0	46	
31	543.26	194266	28	18	0.05	7	0.06	0	0	0	16	0	0	23	
			4195	3455	7650	1.00	2.18	195	8.88	8.71	1666	735	0	0	8385

Reservoir capacity = 254,000 acre-feet at 567 ft. elevation.  
 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 2010

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW		EVAPORATION			PRECIPITATION			RELEASES				
	Elevation	Storage (acres)	Surface Area	Ventura River Divers'n	Direct	Pan @Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	Main System	To River	Spill	STORAGE CHANGE
1	543.27	194289	2315.20	23	23	45	0.08	0.00	6	0	0	0	16	0	23
2	543.28	194313	2315.20	15	29	45	0.02	0.04	4	0	0	0	17	0	23
3	543.30	194359	2316.80	33	38	71	0.03	0.08	8	0	0	0	16	0	46
4	543.32	194405	2316.80	34	26	60	0.02	0.00	1	0	0	0	13	0	46
5	543.40	194591	2318.40	15	74	89	0.00	0.00	0	0.62	0.50	108	12	0	186
6	543.71	195311	2323.20	130	302	432	0.00	0.00	0	1.63	1.50	303	15	0	720
7	543.94	195845	2326.40	338	177	516	0.00	0.00	0	0.25	0.15	39	21	0	534
8	544.03	196054	2328.00	120	114	234	0.06	0.00	4	0	0	0	21	0	209
9	544.09	196193	2328.00	51	107	158	0.00	0.01	1	0	0	0	18	0	139
10	544.23	196521	2331.60	130	89	219	0.00	0.00	0	0.69	0.61	126	17	0	328
11	544.28	196637	2331.60	77	63	141	0.00	0.12	9	0	0	0	15	0	117
12	544.32	196732	2333.40	71	48	119	0.00	0.08	6	0	0	0	19	0	94
13	544.36	196825	2333.40	78	38	115	0.00	0.05	4	0	0	0	18	0	94
14	544.40	196918	2335.20	87	29	116	0.00	0.08	6	0	0	0	17	0	93
15	544.42	196965	2335.20	74	21	94	0.08	0.21	22	0	0	0	26	0	47
16	544.42	196965	2335.20	-15	36	20	0.00	0.06	4	0	0	0	16	0	0
17	544.45	197035	2335.20	54	50	103	0.00	0.12	9	0	0	0	25	0	70
18	544.48	197104	2335.20	52	40	91	0.00	0.08	6	0	0	0	16	0	70
19	544.49	197128	2335.20	18	42	60	0.05	0.20	19	0	0	0	18	0	23
20	544.53	197222	2337.00	29	40	69	0.00	0.00	0	0.22	0.20	41	16	0	95
21	544.55	197269	2337.00	45	36	82	0.09	0.15	18	0	0	0	17	0	47
22	544.56	197292	2337.00	-11	29	18	0.00	0.14	10	0.30	0	29	13	0	23
23	544.56	197292	2337.00	15	25	39	0.09	0.09	13	0	0	0	26	0	0
24	544.58	197339	2337.00	51	26	78	0.07	0.09	12	0	0	0	19	0	47
25	544.64	197480	2338.80	69	22	91	0.00	0.00	0	0.37	0.32	67	17	0	140
26	544.65	197503	2338.80	26	19	45	0.02	0.10	9	0	0	0	13	0	23
27	544.83	197923	2342.40	-128	238	110	0.00	0.00	0	1.73	1.55	320	10	0	420
28	545.16	198698	2347.70	488	171	659	0.00	0.00	0	0.64	0.64	125	10	0	774
TOTAL				1969	1950	3919	0.61	1.70	173	6.45	5.47	1159	474	0	4431

Reservoir capacity = 254,000 acre-feet at 567 ft. elevation.  
 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=0.82, Aug=0.81, Sep=0.76, Oct=0.75, Nov=0.72, Dec=0.66  
 e = estimate

CASITAS RESERVOIR OPERATION  
MARCH 2010

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW			EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE	
	Elevation	198698 Storage	Surface Area (acres)	Direct	Ventura River Divers'n	Total	@Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	To Main System	River		Spill
1	545.28	198979	2349	212	78	290	0.00	0.00	0	0	0	0	9	0	0	281
2	545.35	199144	2351	140	55	194	0.10	0.12	16	0	0	0	14	0	0	165
3	545.39	199238	2351	88	38	125	0.10	0.11	16	0	0	0	16	0	0	94
4	545.45	199380	2353	80	30	110	0.00	0.00	0	0.25	0.18	42	9	0	0	143
5	545.46	199404	2353	26	21	47	0.07	0.12	14	0	0	0	9	0	0	24
6	545.49	199474	2353	82	20	102	0.10	0.12	16	0	0	0	15	0	0	71
7	545.53	199569	2355	42	22	64	0.00	0.00	0	0.24	0.19	42	12	0	0	94
8	545.55	199616	2355	67	12	80	0.11	0.16	20	0	0	0	12	0	0	47
9	545.58	199687	2355	90	7	97	0.08	0.13	16	0	0	0	10	0	0	71
10	545.58	199687	2355	20	19	40	0.18	0.18	27	0	0	0	13	0	0	0
11	545.55	199616	2355	-55	16	-40	0.14	0.11	19	0	0	0	12	0	0	-71
12	545.56	199640	2355	55	11	66	0.11	0.25	27	0	0	0	16	0	0	24
13	545.57	199663	2355	56	8	64	0.10	0.19	22	0	0	0	19	0	0	24
14	545.56	199640	2355	16	4	20	0.07	0.11	13	0	0	0	31	0	0	-24
15	545.57	199663	2355	54	2	56	0.12	0.11	17	0	0	0	15	0	0	24
16	545.56	199640	2355	13	7	21	0.13	0.19	24	0	0	0	20	0	0	-24
17	545.55	199616	2355	13	14	28	0.22	0.15	28	0	0	0	24	0	0	-24
18	545.55	199616	2355	50	11	61	0.11	0.25	27	0	0	0	34	0	0	0
19	545.55	199616	2355	36	8	44	0.15	0.11	19	0	0	0	25	0	0	0
20	545.54	199592	2355	24	6	30	0.16	0.21	28	0	0	0	26	0	0	-24
21	545.54	199592	2355	31	5	35	0.09	0.14	17	0	0	0	18	0	0	0
22	545.53	199569	2355	5	22	27	0.00	0.17	13	0	0	0	38	0	0	-24
23	545.52	199545	2355	-19	43	24	0.09	0.12	16	0	0	0	32	0	0	-24
24	545.54	199592	2355	59	44	103	0.12	0.19	23	0	0	0	33	0	0	0
25	545.55	199616	2355	42	42	84	0.13	0.17	22	0	0	0	38	0	0	24
26	545.57	199663	2355	61	34	96	0.09	0.18	20	0	0	0	28	0	0	47
27	545.57	199663	2355	30	30	60	0.16	0.12	21	0	0	0	40	0	0	0
28	545.55	199616	2355	-34	30	-5	0.14	0.18	24	0	0	0	18	0	0	-47
29	545.56	199640	2355	61	25	86	0.13	0.24	28	0	0	0	35	0	0	24
30	545.54	199592	2355	-8	14	6	0.17	0.08	19	0	0	0	35	0	0	-47
31	545.52	199545	2355	-21	7	-14	0.15	0.06	16	0	0	0	17	0	0	-47
TOTAL				1316	684	2000	3.32	4.27	566	0.49	0.37	84	671	0	0	848

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

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

e = estimate

CASITAS RESERVOIR OPERATION  
APRIL 2010

\*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 Divers'n Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	To Main System	To River	Spill		
1	545.52	199545	36	0	0.12	0.07	15	0.04	0.02	6	27	0	0	0	
2	545.49	199474	-21	0	0.15	0.13	22	0	0	0	28	0	0	-71	
3	545.48	199451	25	0	0.14	0.14	22	0	0	0	27	0	0	-24	
4	545.47	199427	24	0	0.13	0.20	26	0	0	0	22	0	0	-24	
5	545.51	199522	-49	0	0.00	0.00	0	0.94	0.73	164	20	0	0	94	
6	545.52	199545	16	0	0.00	0.14	11	0.29	0	28	10	0	0	24	
7	545.51	199522	12	0	0.16	0.16	25	0	0	0	10	0	0	-24	
8	545.51	199522	23	0	0.07	0.30	29	0.16	0	16	10	0	0	0	
9	545.50	199498	31	0	0.31	0.24	43	0	0	0	12	0	0	-24	
10	545.48	199451	-5	0	0.19	0.12	24	0	0	0	18	0	0	-47	
11	545.48	199451	25	0	0.07	0.16	18	0.05	0	5	12	0	0	0	
12	545.62	199780	-10	48	0.00	0.00	0	1.76	1.32	302	11	0	0	329	
13	545.64	199827	15	12	0.00	0.01	1	0.3	0.02	31	11	0	0	47	
14	545.64	199827	31	7	0.14	0.14	22	0	0	0	16	0	0	0	
15	545.63	199804	-1	6	0.09	0.09	14	0	0	0	14	0	0	-24	
16	545.63	199804	34	6	0.10	0.18	22	0	0	0	18	0	0	0	
17	545.62	199780	13	8	0.24	0.20	35	0	0	0	10	0	0	-24	
18	545.62	199780	35	8	0.17	0.21	30	0	0	0	13	0	0	0	
19	545.62	199780	31	8	0.12	0.17	23	0	0	0	17	0	0	0	
20	545.62	199780	12	16	0.05	0.13	14	0	0	0	14	0	0	0	
21	545.62	199780	-53	20	0.05	0.00	4	0.21	0.28	48	11	0	0	0	
22	545.62	199780	-4	32	0.14	0.11	20	0.01	0.02	3	11	0	0	0	
23	545.63	199804	6	44	0.11	0.09	16	0	0	0	11	0	0	24	
24	545.65	199851	50	38	0.14	0.17	24	0	0	0	16	0	0	47	
25	545.69	199945	87	38	0.05	0.13	14	0	0	0	17	0	0	94	
26	545.68	199921	-10	33	0.20	0.17	29	0	0	0	17	0	0	-24	
27	545.67	199898	-1	25	0.17	0.18	27	0	0	0	19	0	0	-24	
28	545.67	199898	18	13	0.08	0.10	14	0	0	0	16	0	0	0	
29	545.66	199874	19	5	0.18	0.11	23	0	0	0	26	0	0	-24	
30	545.65	199851	40	0	0.24	0.12	28	0	0	0	35	0	0	-24	
TOTAL			430	367	797	3.61	3.97	595	3.76	2.39	604	500	0	0	305

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  
MAY 2010

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW			EVAPORATION			PRECIPITATION			RELEASES				
	Elevation	Storage	Surface Area (acres)	Direct	Ventura River Divers'h	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	at Dam (in)	at Rec (in)	Lake Total	Main System	To River	Spill	STORAGE CHANGE
1	545.61	199757	2356	-24	0	-24	0.22	0.13	28	0	0	0	42	0	0	-94
2	545.57	199663	2355	-33	0	-33	0.25	0.21	37	0	0	0	24	0	0	-93
3	545.55	199616	2355	24	0	24	0.16	0.18	27	0	0	0	45	0	0	-47
4	545.52	199545	2355	17	0	17	0.16	0.20	29	0	0	0	59	0	0	-71
5	545.49	199474	2353	24	0	24	0.21	0.29	40	0	0	0	56	0	0	-71
6	545.46	199404	2353	18	0	18	0.21	0.19	32	0	0	0	57	0	0	-71
7	545.44	199356	2353	44	0	44	0.15	0.26	33	0	0	0	59	0	0	-47
8	545.41	199286	2353	47	0	47	0.27	0.55	65	0	0	0	52	0	0	-71
9	545.37	199191	2351	-14	0	-14	0.27	0.16	34	0	0	0	47	0	0	-95
10	545.34	199120	2351	15	0	15	0.21	0.15	29	0	0	0	57	0	0	-71
11	545.30	199026	2351	-23	0	-23	0.11	0.14	20	0	0	0	51	0	0	-94
12	545.26	198932	2349	8	0	8	0.36	0.15	40	0	0	0	62	0	0	-94
13	545.22	198838	2349	13	0	13	0.20	0.29	39	0	0	0	68	0	0	-94
14	545.18	198745	2348	8	0	8	0.18	0.23	32	0	0	0	69	0	0	-93
15	545.15	198674	2348	13	0	13	0.14	0.21	28	0	0	0	56	0	0	-71
16	545.12	198603	2348	9	0	9	0.30	0.16	36	0	0	0	43	0	0	-71
17	545.08	198507	2346	-17	0	-17	0.10	0.16	21	0	0	0	58	0	0	-96
18	545.07	198484	2346	-1	0	-1	0.00	0.09	7	0.15	0.21	35	51	0	0	-23
19	545.05	198437	2346	14	0	14	0.03	0.09	10	0.02	0	2	54	0	0	-47
20	545.01	198343	2346	-3	0	-3	0.16	0.21	29	0	0	0	62	0	0	-94
21	544.97	198249	2344	2	0	2	0.27	0.12	31	0	0	0	65	0	0	-94
22	544.93	198156	2344	-15	0	-15	0.09	0.19	22	0	0	0	56	0	0	-93
23	544.89	198064	2342	6	0	6	0.39	0.19	46	0	0	0	53	0	0	-92
24	544.85	197970	2342	-2	0	-2	0.20	0.16	28	0	0	0	64	0	0	-94
25	544.81	197876	2342	11	0	11	0.21	0.22	34	0	0	0	71	0	0	-94
26	544.77	197782	2341	-3	0	-3	0.21	0.13	27	0	0	0	64	0	0	-94
27	544.73	197689	2341	-7	0	-7	0.19	0.13	25	0	0	0	61	0	0	-93
28	544.69	197597	2339	-10	0	-10	0.13	0.24	29	0.05	0.09	14	66	0	0	-92
29	544.66	197526	2339	40	0	40	0.21	0.32	42	0	0	0	69	0	0	-70
30	544.61	197409	2339	-17	0	-17	0.35	0.21	44	0	0	0	56	0	0	-117
31	544.58	197339	2337	18	0	18	0.2	0.19	31	0	0	0	57	0	0	-70
TOTAL				165	0	165	6.14	6.15	974	0.22	0.30	51	1753	0	0	-2511

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

CASITAS RESERVOIR OPERATION  
JUNE 2010

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW		EVAPORATION			PRECIPITATION			RELEASES				
	Elevation	Surface Area (acres)	Direct	Ventura River Divers'n	Total	@Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	Main System	To River	Spill	STORAGE CHANGE
1	544.55	197269	20	0	20	0.19	0.12	24	0	0	0	66	0	0	-70
2	544.51	197175	2	0	2	0.18	0.08	20	0	0	0	76	0	0	-94
3	544.47	197081	-6	0	-6	0.10	0.12	17	0	0	0	71	0	0	-94
4	544.42	196965	-14	0	-14	0.25	0.11	28	0	0	0	74	0	0	-117
5	544.39	196896	20	0	20	0.22	0.03	19	0	0	0	70	0	0	-69
6	544.34	196779	-42	0	-42	0.19	0.06	19	0	0	0	55	0	0	-117
7	544.31	196708	24	0	24	0.15	0.00	12	0	0	0	82	0	0	-70
8	544.27	196614	-7	0	-7	0.21	0.00	16	0	0	0	71	0	0	-94
9	544.23	196521	-16	0	-16	0.22	0.00	17	0	0	0	60	0	0	-93
10	544.20	196451	23	0	23	0.17	0.10	21	0	0	0	72	0	0	-70
11	544.16	196358	-17	0	-17	0.23	0.00	18	0	0	0	57	0	0	-93
12	544.12	196265	-18	0	-18	0.15	0.00	12	0	0	0	64	0	0	-94
13	544.08	196170	-46	0	-46	0.18	0.00	14	0	0	0	35	0	0	-95
14	544.04	196077	2	0	2	0.24	0.00	19	0	0	0	76	0	0	-93
15	543.99	195961	-18	0	-18	0.21	0.08	22	0	0	0	76	0	0	-116
16	543.95	195868	6	0	6	0.18	0.07	19	0	0	0	80	0	0	-93
17	543.90	195752	-20	0	-20	0.17	0.07	19	0	0	0	77	0	0	-116
18	543.85	195636	-20	0	-20	0.18	0.09	21	0	0	0	75	0	0	-116
19	543.81	195543	2	0	2	0.36	0.04	31	0	0	0	63	0	0	-93
20	543.77	195450	-26	0	-26	0.26	0.05	24	0	0	0	43	0	0	-93
21	543.74	195381	34	0	34	0.30	0.15	35	0	0	0	69	0	0	-70
22	543.69	195265	-31	0	-31	0.13	0.00	10	0	0	0	75	0	0	-116
23	543.64	195149	-16	0	-16	0.28	0.01	22	0	0	0	77	0	0	-116
24	543.60	195056	7	0	7	0.12	0.13	19	0	0	0	80	0	0	-93
25	543.54	194917	-41	0	-41	0.27	0.00	21	0	0	0	77	0	0	-139
26	543.50	194824	-6	0	-6	0.22	0.08	23	0	0	0	64	0	0	-93
27	543.46	194730	-17	0	-17	0.23	0.05	22	0	0	0	55	0	0	-94
28	543.42	194637	5	0	5	0.19	0.05	19	0	0	0	80	0	0	-93
29	543.36	194498	-35	0	-35	0.27	0.09	28	0	0	0	77	0	0	-139
30	543.32	194405	-4	0	-4	0.06	0.05	8	0	0	0	81	0	0	-93
TOTAL			-255	0	-255	6.11	1.63	600	0.00	0.00	0	2078	0	0	-2934

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

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=0.80, Apr=0.81, Jun=0.82, Jul= Aug=0.81, Sep=0.76, Oct=0.75, Nov=0.72, Dec=0.66

e = estimate

CASITAS RESERVOIR OPERATION  
JULY 2010

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW		EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE		
	Elevation	194405 Storage (acres)	Surface Area (acres)	Direct	Ventura River Divers/h	Total	@Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	Main System		To River Spill	
1	543.27	194289	2315	-12	0	-12	0.24	0.15	30	0	0	0	73	0	0	-116
2	543.23	194197	2315	16	0	16	0.22	0.24	36	0	0	0	72	0	0	-93
3	543.18	194081	2314	-25	0	-25	0.21	0.09	23	0	0	0	68	0	0	-116
4	543.14	193988	2314	-11	0	-11	0.20	0.22	33	0	0	0	49	0	0	-93
5	543.11	193918	2314	18	0	18	0.25	0.24	38	0	0	0	49	0	0	-70
6	543.08	193847	2312	-3	0	-3	0.06	0.16	17	0	0	0	51	0	0	-71
7	543.04	193755	2312	-12	0	-12	0.00	0.09	7	0	0	0	73	0	0	-92
8	543.00	193663	2312	-10	0	-10	0.19	0.21	31	0	0	0	50	0	0	-92
9	542.96	193571	2310	-6	0	-6	0.08	0.12	16	0	0	0	71	0	0	-92
10	542.93	193502	2310	22	0	22	0.27	0.22	38	0	0	0	52	0	0	-69
11	542.89	193411	2308	-11	0	-11	0.30	0.24	42	0	0	0	38	0	0	-91
12	542.86	193342	2308	24	0	24	0.14	0.20	26	0	0	0	67	0	0	-69
13	542.81	193226	2308	-26	0	-26	0.20	0.19	30	0	0	0	59	0	0	-116
14	542.78	193180	2307	64	0	64	0.23	0.19	33	0	0	0	77	0	0	-46
15	542.73	193050	2307	-11	0	-11	0.24	0.34	45	0	0	0	73	0	0	-130
16	542.68	192872	2305	-58	0	-58	0.27	0.25	40	0	0	0	79	0	0	-178
17	542.63	192772	2305	-18	0	-18	0.23	0.12	27	0	0	0	55	0	0	-100
18	542.60	192712	2305	28	0	28	0.30	0.15	35	0	0	0	53	0	0	-60
19	542.56	192650	2303	50	0	50	0.32	0.27	46	0	0	0	66	0	0	-62
20	542.51	192535	2303	-21	0	-21	0.25	0.16	32	0	0	0	62	0	0	-115
21	542.47	192443	2301	-1	0	-1	0.22	0.19	32	0	0	0	59	0	0	-92
22	542.42	192328	2301	-4	0	-4	0.24	0.34	45	0	0	0	66	0	0	-115
23	542.38	192237	2299	16	0	16	0.22	0.24	36	0	0	0	72	0	0	-91
24	542.33	192121	2299	-32	0	-32	0.26	0.15	32	0	0	0	51	0	0	-116
25	542.29	192028	2298	-13	0	-13	0.12	0.30	33	0	0	0	48	0	0	-93
26	542.25	191936	2298	2	0	2	0.24	0.21	35	0	0	0	59	0	0	-92
27	542.21	191844	2298	-8	0	-8	0.20	0.17	29	0	0	0	55	0	0	-92
28	542.16	191729	2296	-11	0	-11	0.20	0.17	29	0	0	0	76	0	0	-115
29	542.11	191614	2296	-15	0	-15	0.29	0.29	45	0	0	0	55	0	0	-115
30	542.07	191521	2294	6	0	6	0.24	0.11	27	0	0	0	71	0	0	-93
31	542.03	191430	2294	-1	0	-1	0.19	0.28	36	0	0	0	54	0	0	-92
TOTAL				-65	0	-65	6.62	6.30	1005	0.00	0.00	0	1906	0	0	-2976

e = estimate

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

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=0.81, Jul= Aug=0.81, Sep=0.76, Oct=0.75, Nov=0.72, Dec=0.66

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CASITAS RESERVOIR OPERATION  
AUGUST 2010

\*figures in acre-feet except where otherwise noted

RESERVOIR (@ 2400 hrs.)		INFLOW			EVAPORATION			PRECIPITATION			RELEASES		
Elevation	Surface Area (acres)	Direct	Ventura River	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	Main System	To River	STORAGE CHANGE
			Divers/h										
541.99	191337	2292	0	-21	0.23	0.20	33	0	0	0	38	0	-93
541.96	191269	2292	35	35	0.24	0.18	32	0	0	0	71	0	-68
541.91	191155	2292	-18	-18	0.20	0.23	33	0	0	0	63	0	-114
541.87	191064	2291	15	15	0.24	0.18	32	0	0	0	73	0	-91
541.82	190950	2291	-19	-19	0.22	0.18	31	0	0	0	65	0	-115
541.77	190835	2289	-16	-16	0.22	0.13	27	0	0	0	71	0	-115
541.73	190744	2289	-8	-8	0.14	0.22	28	0	0	0	56	0	-92
541.69	190651	2288	-18	-18	0.24	0.23	36	0	0	0	38	0	-93
541.66	190583	2288	22	22	0.19	0.18	29	0	0	0	62	0	-68
541.61	190469	2288	-33	-33	0.16	0.19	27	0	0	0	54	0	-114
541.58	190401	2286	31	31	0.24	0.17	32	0	0	0	67	0	-68
541.52	190264	2286	-45	-45	0.15	0.29	34	0	0	0	59	0	-137
541.49	190195	2284	27	27	0.22	0.18	31	0	0	0	65	0	-69
541.44	190081	2284	-36	-36	0.13	0.18	24	0	0	0	54	0	-115
541.40	189989	2284	-15	-15	0.25	0.16	32	0	0	0	45	0	-92
541.37	189920	2283	31	31	0.24	0.24	37	0	0	0	63	0	-69
541.32	189806	2283	-9	-9	0.23	0.17	31	0	0	0	75	0	-115
541.28	189713	2281	30	30	0.29	0.27	43	0	0	0	79	0	-92
541.23	189599	2281	-5	-5	0.24	0.20	34	0	0	0	76	0	-114
541.18	189486	2280	-14	-14	0.19	0.19	29	0	0	0	70	0	-113
541.12	189349	2280	-40	-40	0.22	0.31	41	0	0	0	56	0	-137
541.09	189278	2278	19	19	0.25	0.18	33	0	0	0	56	0	-71
541.04	189165	2278	-7	-7	0.22	0.22	34	0	0	0	73	0	-114
541.00	189074	2278	24	24	0.24	0.20	34	0	0	0	81	0	-91
540.94	188938	2276	-30	-30	0.30	0.13	33	0	0	0	73	0	-136
540.89	188824	2275	3	3	0.24	0.22	35	0	0	0	81	0	-114
540.83	188688	2275	-47	-47	0.09	0.19	21	0	0	0	67	0	-136
540.78	188575	2273	-19	-19	0.19	0.23	32	0	0	0	62	0	-114
540.74	188484	2273	-20	-20	0.25	0.17	32	0	0	0	38	0	-91
540.71	188416	2273	28	28	0.22	0.23	35	0	0	0	62	0	-68
540.66	188302	2271	-23	-23	0.09	0.26	27	0	0	0	64	0	-114
			-179	-179	6.57	6.31	992	0.00	0.00	0	1956	0	-3128

r 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)  
 ion 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  
SEPTEMBER 2010

\*figures in acre-feet except where otherwise noted

DATE	Elevation	RESERVOIR (@ 2400 hrs.)		INFLOW		EVAPORATION				PRECIPITATION			RELEASES			STORAGE CHANGE
		Storage	Surface Area (acres)	Direct	Ventura River Divers'n	Pan @Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	Main System	To River	Spill		
1	540.62	188211	2271	13	0	0.28	0.14	30	0	0	0	74	0	0	-91	
2	540.57	188098	2270	-8	0	0.28	0.15	31	0	0	0	75	0	0	-114	
3	540.52	187984	2270	-19	0	0.03	0.17	14	0	0	0	80	0	0	-114	
4	540.47	187871	2268	3	0	0.31	0.26	41	0	0	0	76	0	0	-114	
5	540.42	187757	2268	-41	0	0.19	0.21	29	0	0	0	44	0	0	-114	
6	540.39	187689	2266	17	0	0.13	0.20	24	0	0	0	61	0	0	-68	
7	540.34	187576	2266	-34	0	0.17	0.19	26	0	0	0	54	0	0	-114	
8	540.31	187508	2266	18	0	0.17	0.09	19	0	0	0	68	0	0	-68	
9	540.26	187394	2264	-51	0	0.07	0.11	13	0	0	0	50	0	0	-114	
10	540.23	187326	2264	22	0	0.18	0.12	22	0	0	0	69	0	0	-68	
11	540.18	187213	2263	-43	0	0.19	0.16	25	0	0	0	46	0	0	-114	
12	540.14	187122	2263	-21	0	0.17	0.20	27	0	0	0	43	0	0	-91	
13	540.11	187054	2263	6	0	0.02	0.16	13	0	0	0	61	0	0	-68	
14	540.06	186939	2261	-43	0	0.05	0.16	15	0	0	0	57	0	0	-115	
15	540.02	186849	2261	4	0	0.20	0.12	23	0	0	0	71	0	0	-90	
16	539.97	186737	2259	-21	0	0.21	0.17	27	0	0	0	64	0	0	-113	
17	539.93	186647	2259	2	0	0.22	0.06	20	0	0	0	72	0	0	-90	
18	539.88	186535	2258	-49	0	0.16	0.12	20	0	0	0	43	0	0	-112	
19	539.85	186467	2258	14	0	0.12	0.24	26	0	0	0	56	0	0	-68	
20	539.81	186377	2258	-5	0	0.22	0.20	30	0	0	0	55	0	0	-90	
21	539.78	186308	2256	19	0	0.19	0.17	26	0	0	0	62	0	0	-69	
22	539.74	186218	2256	-13	0	0.12	0.11	16	0	0	0	61	0	0	-90	
23	539.70	186128	2256	-25	0	0.02	0.13	11	0	0	0	54	0	0	-90	
24	539.66	186038	2254	20	0	0.15	0.26	29	0	0	0	80	0	0	-90	
25	539.62	185948	2254	-6	0	0.21	0.18	28	0	0	0	56	0	0	-90	
26	539.58	185858	2253	-15	0	0.15	0.10	18	0	0	0	57	0	0	-90	
27	539.54	185768	2253	45	0	0.38	0.20	41	0	0	0	93	0	0	-90	
28	539.49	185656	2251	10	0	0.22	0.41	45	0	0	0	77	0	0	-113	
29	539.45	185566	2251	22	0	0.24	0.22	33	0	0	0	80	0	0	-90	
30	539.40	185453	2251	-31	0	0.02	0.18	14	0	0	0	67	0	0	-113	
<b>TOTAL</b>				-210	0	-210	5.07	5.19	734	0.00	0.00	0	1904	0	0	-2849

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

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=0.81, 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 09-10

Month	Acre Feet
Oct-09	Offline
Nov-09	Offline
Dec-09	Offline
Jan-10	Offline
Feb-10	Offline
Mar-10	Offline
Apr-10	0.533
May-10	14.56
Jun-10	18.18
Jul-10	14.18
Aug-10	29.19
Sep-10	26.67
<hr/>	
Total	103.313 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:

2009-2010

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0.04					
2												
3												
4						0.25						
5					0.62		0.94					
6					1.63		0.29					
7			0.78		0.25	0.24						
8			1.22				0.16					
9												
10					0.69							
11			0.92				0.05					
12			0.82				1.76					
13	0.10		1.52	0.29			0.3					
14	5.80											
15	0.10											
16												
17												
18				1.45				0.15				
19				2.22				0.02				
20				1.01	0.22							
21				1.95			0.21					
22			0.01	1.41	0.30		0.01					
23				0.54								
24												
25					0.37							
26												
27				0.01	1.73							
28					0.64			0.05				
29												
30												
31			0.06									
Mo Total	6.00	0.00	5.33	8.88	6.45	0.49	3.76	0.22	0.00	0.00	0.00	0.00
Yr Total	6.00	6.00	11.33	20.21	26.66	27.15	30.91	31.13	31.13	31.13	31.13	31.13

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

2009-2010

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0.02					
2												
3												
4						0.18						
5					0.50		0.73					
6					1.50							
7			0.55		0.15	0.19						
8			0.95									
9												
10					0.61							
11			0.94									
12			0.68				1.32					
13	0.69		1.15	0.29			0.02					
14	6.1											
15	0.12											
16												
17												
18				1.30				0.21				
19				1.99								
20				0.75	0.2							
21				2.37			0.28					
22				1.51			0.02					
23				0.47								
24												
25					0.32							
26												
27				0.03	1.55							
28					0.64			0.09				
29												
30												
31			0.06									
Mo Total	6.91	0.00	4.33	8.71	5.47	0.37	2.39	0.30	0.00	0.00	0.00	0.00
Yr Total	6.91	6.91	11.24	19.95	25.42	25.79	28.18	28.48	28.48	28.48	28.48	28.48

Rainfall in inches

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

2009-2010

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0.01					
2												
3						0.02						
4						0.25						
5					0.65		1.15					
6					1.81							
7			0.67		0.29	0.3						
8			0.99									
9												
10					0.49							
11			0.99									
12			1.07				1.71					
13	0.84		2.14	0.28			0.05					
14	8.44											
15	0.14											
16	0.01											
17												
18				1.46				0.09				
19	0.01			2.76								
20				1.27	0.18							
21				2.34	0.01		0.78					
22				1.79								
23				0.45			0.01					
24				0.01								
25					0.14							
26												
27					2.00							
28					0.91		0.01	0.02				
29												
30												
31												
Mo Total	9.44	0.00	5.86	10.36	6.48	0.57	3.72	0.11	0.00	0.00	0.00	0.00
Yr Total	9.44	9.44	15.30	25.66	32.14	32.71	36.43	36.54	36.54	36.54	36.54	36.54

Rainfall in inches

## **Streamflow Gauging Stations**



STATION: MATILIJIA CREEK AT MATILIJIA HOT SPRINGS (FLOW THRU MATILIJIA DAM)

USGS #: 11115500

VCFPD # NA

MAINTAINED BY : CMWD

DATE INSTALLED: 10/1927

MEAN DAILY DISCHARGE IN CUBIC FEET PER SECOND AVER YEAR 2003-2010

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY
1	0	4	4	6	47	80	22	22	12	5	3	2	
2	0	4	4	5	41	71	22	22	10	5	3	2	
3	0	4	4	5	39	66	22	22	9	5	3	2	
4	1	4	4	5	38	62	22	20	9	5	3	2	
5	1	4	4	5	39	57	23	19	10	5	3	2	
6	1	4	4	5	153	56	22	17	10	4	3	2	
7	1	4	4	5	136	56	22	16	7	4	3	2	
8	1	4	4	5	105	50	21	16	7	4	3	2	
9	1	4	4	5	98	48	21	16	7	4	3	3	
10	1	4	4	5	88	46	21	16	7	4	3	3	
11	1	4	4	5	77	44	21	16	7	3	3	3	
12	1	4	5	5	71	42	21	15	7	3	3	3	
13	2	4	6	5	66	41	21	15	7	4	3	3	
14	3	4	12	5	61	39	21	15	7	4	3	3	
15	2	4	10	4	57	38	21	14	7	4	2	3	
16	4	4	9	4	53	36	23	14	7	4	2	3	
17	4	4	9	5	50	35	25	14	7	3	2	3	
18	4	4	8	163	44	34	25	14	8	3	2	3	
19	4	4	8	123	46	33	25	14	9	3	2	3	
20	4	4	8	367	46	32	28	13	9	3	2	3	
21	4	4	8	657	43	31	31	12	9	3	2	3	
22	4	4	8	415	41	44	40	12	9	3	2	3	
23	4	4	7	194	40	49	43	12	9	3	2	3	
24	4	4	7	129	40	49	40	12	9	3	2	3	
25	4	4	7	149	38	47	40	12	9	3	2	4	
26	4	4	7	169	36	42	36	12	6	3	2	4	
27	4	4	7	94	114	41	31	12	5	3	2	4	
28	4	4	7	72	108	41	26	12	5	3	2	4	
29	4	4	6	59	---	37	23	12	5	3	2	4	
30	4	4	6	52	---	29	22	12	5	3	3	4	
31	4	---	6	52	---	24	---	12	---	3	2	---	
Total	69.3	115.8	192.7	2777.9	1815.0	1400.0	781.0	462.0	235.4	111.1	80.8	94.1	8135.2
Mean	2.2	3.9	6.2	89.6	64.8	45.2	26.0	14.9	7.8	3.6	2.6	3.1	22.3
Max.	3.6	3.9	12.0	657.0	153.0	80.0	43.0	22.0	12.0	4.9	2.8	3.6	657.0
Min.	0.5	0.0	3.9	4.4	0.0	24.0	0.0	12.0	0.0	2.7	2.3	0.0	137.5
AC-FT	137.5	229.7	382.2	5510.0	3600.1	2776.9	1549.1	916.4	467.0	220.4	160.2	186.6	16136.1

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 2008-2009

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY
1	0	22	5	13	50	50	32	24	16	9	1	0	
2	0	22	5	12	50	49	31	24	16	8	1	0	
3	0	21	5	12	50	48	31	24	16	8	1	0	
4	0	20	5	12	50	47	31	23	16	8	1	0	
5	0	19	5	11	50	50	31	23	15	8	1	0	
6	0	19	5	11	50	45	30	23	15	7	1	0	
7	0	18	5	11	50	50	30	23	15	7	1	0	
8	0	17	8	10	50	45	30	22	15	7	1	0	
9	0	16	10	10	50	42	30	22	14	7	1	0	
10	0	16	12	9	50	41	29	22	14	6	1	0	
11	0	15	14	9	50	40	29	22	14	6	1	0	
12	0	14	15	9	50	39	29	21	14	6	1	0	
13	20	13	17	13	50	38	29	21	13	5	1	0	
14	35	13	18	20	50	37	28	21	13	5	1	0	
15	35	12	18	40	50	35	28	21	13	5	1	0	
16	34	11	18	50	50	35	28	20	13	5	1	0	
17	34	10	17	50	50	35	28	20	12	4	1	0	
18	33	10	17	50	50	35	27	20	12	4	1	0	
19	32	9	17	50	50	35	27	20	12	4	1	0	
20	31	8	16	50	50	34	27	19	12	3	1	0	
21	31	7	16	50	50	34	27	19	11	3	1	0	
22	30	7	16	50	50	34	26	19	11	3	1	0	
23	29	6	15	50	50	34	26	19	11	3	1	0	
24	28	5	15	50	50	33	26	18	11	2	1	0	
25	28	5	14	50	50	33	26	18	10	2	1	0	
26	27	5	14	50	50	33	25	18	10	2	0	0	
27	26	5	14	50	50	33	25	18	10	2	0	0	
28	25	5	13	50	50	32	25	17	10	1	0	0	
29	25	5	13	50	---	32	25	17	9	1	0	0	
30	24	5	13	50	---	32	24	17	9	1	0	0	
31	23	---	12	50	---	32	---	17	---	1	0	---	
Total	546.0	357.0	386.4	1001.1	1400.0	1192.1	836.3	627.8	380.0	143.8	24.6	0.0	6897.0
Mean	17.7	11.9	12.5	32.3	50.0	38.5	27.9	20.3	12.7	4.6	0.8	0.0	18.9
Max.	35.0	22.3	18.0	50.0	50.0	50.0	31.6	24.0	16.3	8.8	1.0	0.0	50.0
Min.	0.0	0.0	5.0	8.7	0.0	31.6	0.0	16.5	0.0	1.0	0.0	0.0	0.0
AC-FT	1087.0	708.1	766.5	1985.8	2776.9	2364.4	1658.7	1245.1	753.7	285.2	48.8	0.0	13680.2

\*\*\*Please note that all values are estimates based on visual inspection of the creek flow.

These values are in excess of 50 CFS

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 2009-2010

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY
1	2	6											
2	2	6											
3	2	5											
4	2	6											
5	2	6											
6	2	6											
7	2	6											
8	2	6											
9	2	6											
10	2	6											
11	2	6											
12	2	6											
13	6	6											
14	153	6											
15	21	6											
16	9	6											
17	7	6											
18	6	6											
19	6	6											
20	6	5											
21	6	6											
22	6	4											
23	6												
24	6												
25	6												
26	6												
27	6												
28	6												
29	6												
30	6												
31	6												
Total	304.1	126.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	430.1
Mean	9.8	5.7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.2
Max.	153.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153.0
Min.	1.7	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	603.2	249.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	853.1

No Data Available at this time

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 2006-2010

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY
1	0	0	0	7	50	50	31	30	13	3	1	1	
2	0	0	0	6	39	53	31	30	11	2	0	0	
3	0	0	1	6	33	54	31	30	7	3	0	0	
4	0	0	1	5	33	54	31	29	7	3	0	0	
5	0	0	1	4	34	53	31	28	7	3	0	0	
6	0	0	1	4	52	55	31	26	6	3	0	0	
7	0	0	3	4	73	55	32	25	6	3	0	0	
8	0	0	2	3	69	56	31	24	6	3	0	0	
9	0	0	2	3	66	56	31	25	5	3	0	0	
10	0	0	2	3	60	50	31	24	5	3	0	0	
11	0	0	3	3	61	44	31	22	7	3	0	0	
12	0	0	11	4	62	45	32	21	7	3	0	0	
13	29	0	35	4	61	45	31	22	7	2	0	0	
14	29	0	27	4	61	45	31	21	6	2	0	0	
15	15	0	23	4	62	45	31	19	4	1	0	0	
16	4	0	19	4	49	41	31	18	4	1	0	0	
17	2	0	17	5	37	34	31	18	3	1	0	0	
18	2	0	15	34	34	35	30	21	4	1	0	0	
19	2	0	13	40	35	36	31	20	4	1	0	0	
20	2	0	12	588	36	36	31	16	4	1	0	0	
21	2	0	12	372	35	32	31	13	4	1	0	0	
22	2	0	12	184	36	33	31	12	4	0	0	0	
23	1	0	9	111	36	31	31	12	4	1	0	0	
24	1	0	10	98	32	31	31	14	4	0	0	0	
25	1	0	10	89	30	31	31	13	4	0	0	0	
26	1	0	10	77	30	31	30	14	4	0	0	0	
27	1	0	10	65	31	31	30	14	4	0	0	0	
28	1	0	9	59	39	31	30	15	3	0	0	0	
29	1	1	8	57	---	31	30	13	3	1	0	0	
30	1	0	8	56	---	31	30	11	3	1	0	0	
31	0	---	7	57	---	31	---	12	---	1	0	0	

Total	97.4	0.7	288.7	1961.0	1275.7	1286.6	924.8	609.2	158.0	47.1	3.0	3.0	6655.2
Mean	3.1	0.0	9.3	63.3	45.6	41.5	30.8	19.7	5.3	1.5	0.1	0.1	18.2
Max.	29.0	0.6	34.6	588.0	73.1	56.0	31.6	30.3	13.1	3.1	0.6	0.6	588.0
Min.	0.0	0.0	0.0	3.3	0.0	30.7	0.0	11.0	0.0	0.0	0.0	0.0	1.4
AC-FT	193.2	1.4	572.5	3889.7	2530.3	2552.0	1834.2	1208.3	313.4	93.5	6.0	6.0	13200.6



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 2009-2010

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY
1	0	0	0	0	11	40	0	0	0	0	0	0	0
2	0	0	0	0	15	28	0	0	0	0	0	0	0
3	0	0	0	0	19	19	0	0	0	0	0	0	0
4	0	0	0	0	13	15	0	0	0	0	0	0	0
5	0	0	0	0	38	10	0	0	0	0	0	0	0
6	0	0	0	0	153	10	0	0	0	0	0	0	0
7	0	0	0	0	90	11	0	0	0	0	0	0	0
8	0	0	0	0	58	6	0	0	0	0	0	0	0
9	0	0	0	0	54	4	0	0	0	0	0	0	0
10	0	0	0	0	45	10	0	0	0	0	0	0	0
11	0	0	0	0	32	8	0	0	0	0	0	0	0
12	0	0	0	0	24	6	24	0	0	0	0	0	0
13	0	0	3	0	19	4	6	0	0	0	0	0	0
14	4	0	0	0	14	2	4	0	0	0	0	0	0
15	0	0	0	0	11	1	3	0	0	0	0	0	0
16	0	0	0	0	18	4	3	0	0	0	0	0	0
17	0	0	0	0	25	7	4	0	0	0	0	0	0
18	0	0	0	86	20	5	4	0	0	0	0	0	0
19	0	0	0	129	21	4	4	0	0	0	0	0	0
20	0	0	0	213	20	3	8	0	0	0	0	0	0
21	0	0	0	405	18	2	10	0	0	0	0	0	0
22	0	0	0	383	15	11	16	0	0	0	0	0	0
23	0	0	0	149	13	22	22	0	0	0	0	0	0
24	0	0	0	72	13	22	19	0	0	0	0	0	0
25	0	0	0	85	11	21	19	0	0	0	0	0	0
26	0	0	0	112	9	17	16	0	0	0	0	0	0
27	0	0	0	47	120	15	13	0	0	0	0	0	0
28	0	0	0	26	86	15	7	0	0	0	0	0	0
29	0	0	0	17	---	12	3	0	0	0	0	0	0
30	0	0	0	11	---	7	0	0	0	0	0	0	0
31	0	---	0	9	---	3	---	0	---	0	0	---	---
Total	3.7	0.0	3.2	1745.0	985.0	345.3	185.5	0.0	0.0	0.0	0.0	0.0	3267.8
Mean	0.1	0.0	0.1	56.3	35.2	11.1	6.2	0.0	0.0	0.0	0.0	0.0	9.0
Max.	3.7	0.0	3.2	405.0	152.7	39.6	24.3	0.0	0.0	0.0	0.0	0.0	405.0
Min.	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	7.4	0.0	6.3	3461.2	1953.8	684.9	368.0	0.0	0.0	0.0	0.0	0.0	6481.6

# **HISTORICAL HYDROLOGY DATA**

**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 - 1959-Present  
(Calendar Year)**

**HISTORICAL RAINFALL  
CASITAS MUNICIPAL WATER DISTRICT**

WATER YEAR	CASITAS DAM	CASITAS RECREATION	MATILIJA 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	<b>59.54</b>	<b>58.78</b>	<b>64.27</b>	<b>60.86</b>
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	<b>74.44</b>	60.13
05-06	26.52	25.84	34.58	28.98
06-07	<b>8.60</b>	<b>7.15</b>	<b>9.23</b>	<b>8.33</b>
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
AVERAGE	24.37	23.58	29.14	25.70
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	0.05	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	0.87	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	2.63	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	0.11	11.85
1989	0.00	1.18	3.91	0.48	4.74	0.87	0.34	0.22	0.00	0.00	0.00	0.04	8.86
1990	0.61	0.47	0.00	3.67	2.92	0.01	0.18	0.93	0.03	0.00	0.00	0.00	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	0.00	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	28.46
AVG	0.80	2.50	3.33	5.59	5.60	3.77	1.35	0.31	0.05	0.01	0.04	0.36	23.71
MAX	7.09	14.19	11.02	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**  
**CIMWD 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	29	52	74	31	50	80	29	50	91	37	60	90	38	57	82	42	62	89	47	65	92	47	68	100	45	69	93	41	62	89	32	56	87	22	54	
1963	78	16	50	90	39	60	84	30	54	83	33	54	78	30	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	98	50	76	102	40	67	85	32	58	98	42	64	81	20	49	
1969	86	26	52	81	34	49	86	31	53	83	36	58	87	42	62	90	42	62	97	48	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	56	78	30	50	
1971	87	23	52	91	30	53	80	24	54	90	35	55	85	36	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	68	98	35	72	92	25	55	90	23	52	
1976	80	23	54	86	31	53	85	29	55	89	33	54	89	42	60	104	43	66	90	48	68	102	47	69	102	40	66	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	88	43	64	104	44	64	68	90	49	70	94	43	66	92	38	62	94	32	61	83	32	56
1978	76	29	54	82	31	53	88	36	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	104	47	70	95	45	67	95	32	60	91	33	58	
1982	78	26	50	85	33	56	76	31	53	85	32	57	80	41	61	94	46	60	94	46	68	102	47	70	108	51	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	94	46	68	102	47	70	108	51	71	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	108	51	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	59	96	39	62	91	40	64	93	51	71	92	48	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	101	49	69	107	49	68	87	31	57	80	24	50	
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	48	68	95	35	62	94	29	60	87	28	55	
1990	84	27	52	84	23	52	91	30	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	63	44	62	85	50	67	96	48	68	95	48	69	105	36	66	93	33	60	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	79	27	50	
1993	80	28	52	76	32	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	50	74	101	50	69	100	45	68	83	30	55	76	27	51	
2004	79	25	52	75	31	52	94	37	63																												

## ROBLES-CASITAS CANAL MONTHLY DIVERSIONS

YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		TOTAL		Avg.		
	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.	Rain		
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	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	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	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	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	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	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	418	0	0	0	0	0	0	0	0	0	0	0	0	3	821	2	108	28	8782	104	25323	28.92		
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	76	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	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	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	0	4	1044	5	1094	12.88		
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	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	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	1136	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	0	0	9	957	17	2087	17.96
1985	3	528	1	1	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	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	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	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	0	26	3504	15.66		
1995	3	1323	0	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	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	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	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	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	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	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	0	90	6467.9	32.05			
2011																													
AVG	8	2177	11	3088	12	2950	7	1249	5	477	3	163	1	136	0	21	0	40	0	25	1	352	4	833	52	11540	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 RESERVOIR INVENTORY ANNUAL SUMMARY

(CALENDAR YEAR - ALL VALUES IN ACRE-FEET)

YEAR	RESERVOIR DATA (FIRST DAY OF YEAR)		INFLOW FOR YEAR			RELEASES FOR YEAR			SPILL FOR YEAR	EVAP FOR YEAR	RAINFALL ON LAKE SURFACE	STORAGE VOLUME	
	ELEV ABOVE MSL	STORAGE	DIRECT	VENTURA RIVER DIVERSION	TOTAL	TO CONV. SYSTEM	DOWN RIVER	TOTAL				MAXIMUM FOR YEAR	MINIMUM FOR YEAR
1959	350.00	0	2305	5,105	7,410	586	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	47679	2114	2,939	5,053	4,445	72	4,517	0	3,498	1,664	51,524	46,381
1964	446.13	46361	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	193,686
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	13,963	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	200559
1987	560.16	235828	-988	1814	626	21775	73	21848	0	9117	3142	236063	208711
1988	549.35	208687	1431	9154	10585	21974	73	22047	0	9005	3715	216543	191890
1989	542.25	191936	1086	524	1610	26180	73	26253	0	9010	1399	192259	159729
1990	527.43	159688	-1115	0	-1115	21494	73	21567	0	8353	1447	159688	130141
1991	511.99	130141	12114	17620	29734	15416	73	15489	0	7481	4496	156765	127786
1992	518.58	142203	20483	44202	64619	12042	73	12114	0	8704	5620	201197	142203
1993	542.12	191637	43435	34685	78119	11990	73	12063	13395	10054	7649	258362	191637
1994	562.58	242177	1806	3504	5310	16345	73	16418	0	10347	3458	245810	224141
1995	555.60	224141	52239	1323	53562	11621	72	11693	27499	10287	10895	262625	239122
1996	561.42	239122	6863	5371	12254	15902	23	15925	0	10489	6897	244346	224898
1997	558.63	239122	11745	11896	23640	20482	0	20482	0	11062	4304	248616	223132
1998	557.06	227839	51727	6338	58065	13411	0	13411	34907	9503	12632	267542	227743
1999	561.85	240250	1313	0	1313	20121	0	20121	0	10224	2295	240205	213513
2000	551.33	213513	13541	4483	18023	21506	0	21506	0	9801	5134	227132	205434
2001	548.00	205434	7055	15325	22380	17809	0	17809	0	8379	6693	242359	204637
2002	555.22	223183	-403	0	1567	22092	0	22092	0	8286	2718	223183	194359
2003	543.65	195172	4228	792	2681	16571	0	16571	0	7985	3583	197199	178563
2004	536.62	179219	8578	3075	13097	20214	0	20214	0	7783	4897	182113	157595
2005	531.96	169160	53115	26906	79906	17673	0	17673	0	7242	7798	250736	169160
2006	558.52	231585	9382	12070	22191	17253	0	17253	0	7649	5534	252651	231585
2007	559.05	232950	-1450	0	-386	21326	0	21326	0	8571	2253	232950	203810
2008	547.33	203834	15470	9916	26462	18325	0	18325	0	8753	5538	231071	203595
2009	548.89	207574	428	498	926	17259	0	17259	0	8025	3646	207719	185543
2010													
2011													
2012													
2013													
2014													
2015													
2016													
2017													
2018													
2019													
2020													
AVG	524.37	175431	12903	11626	24602	15175	100	15275	2236	7985	4392	195835	166748
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.



**CASITAS RESERVOIR WATER INVENTORY SUMMARY**  
**2010 CALENDAR YEAR**  
(acre-feet)

MONTH	RESERVOIR (last day 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	
JAN	539.59	185881	4195	3455	7650	1666	196	735	0	8385
FEB	543.15	194266	1968	1950	3918	1159	173	474	0	4431
MAR	545.16	197339	1317	684	2000	84	566	671	0	848
APR	545.52	199545	219	367	586	608	600	500	0	94
MAY	545.65	199851	376	0	376	51	974	1753	0	-2300
JUN	544.58	197339	-255	0	-255	0	600	2078	0	-2934
JUL	543.32	194405	-64	0	-64	0	1005	1906	0	-2975
AUG	542.03	191430	-179	0	-179	0	993	1956	0	-3128
SEP	540.66	188302	-210	0	-210	0	735	1904	0	-2849
OCT	539.40	185453	-209	0	-209	411	590	915	0	-1303
NOV	538.82	184150	-460	0	-460	356	338	1012	0	-1455
DEC	538.17	182695	7949	2252	10201	2716	150	732	0	12036
(JAN)			NA	NA	NA	NA	NA	NA	NA	NA
<b>TOTAL</b>			14646	8708	23355	7051	6919	14637	0	8850

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

u:\new\engineering\hydrology\casitas reservoir\casitasreservoir2010

## Stocking trophy-sized trout a boon to amazed fishermen at Lake Casitas

By Zeke Barlow

Originally published 03:44 p.m., January 7, 2011

Updated 10:28 p.m., January 7, 2011

Lake Casitas' reputation as a behemoth bass lake is in jeopardy.

But it's not because the bass are getting smaller — it's that the trout are getting bigger.

Four trout have recently beat the 1985 record of 9 pounds, 4 ounces, and three of those tipped the scales at more than 11 pounds.

"Everyone can't believe what they are catching," said Jim Brooks, who works at the lake's boat rental and tackle shop. "They are loving it."

Beyond the proud photos of men like Mike Jones of Ventura — who reeled in the record 11-pound, 13-ounce rainbow trout — there is the story of a 5-year-old girl who pulled in a 5-pounder from shore.

It isn't that the food in the water is making the trout bigger or some genetic anomaly is making them grow freakishly large.

The fish are being stocked in the lake, and the managers thought it would be a good idea to make some of the 16,000 trout they bought trophy-sized to lure in more fishermen.

"Everyone wants to catch large fish," said Carol Belser, park services manager at the lake. "We made a point to get trophy-sized trout to get anglers up here."

Historically, the California Department of Fish and Game stocked the lake with trout.

But a recent suit has halted many of the stocking operations in the state because environmentalists contend the department doesn't know the impact that trout-stocking has on endangered species.

Casitas still wanted to get fish even if Fish and Game wasn't going to provide them, so it budgeted \$60,000 to buy the 16,000 trout.

While most were in the 1-pound range, \$20,000 was used to buy fish from 2 to 3 pounds and another \$1,000 went to buy the trophy fish. Those fish cost \$4.23 a pound to stock.

The lake's effort to attract more people seems to be working, Belser said. There are more fishermen at the lake than usual for this time of year, a trend she hopes will continue as the other trophy fish get bigger and the smaller ones put on weight, too.

Though Alek Friedrichsen, a custom rod builder at Eric's Tackle Shop in Ventura, is more of a bass man, he said customers are coming in to buy PowerBait to try to hook a trophy trout.

"I'm sure for the next few years you'll hear of guys getting some pretty big trout up there," he said.

Ray Rodriguez will be among them.

The Ventura angler has been fishing since he was a kid and now at 52, he caught the biggest fish of his life.

He was fishing from shore in December — on a day that they were releasing the trout — and had hooked a couple of 3-plus pounders on his Panther Martin spinning lure, when something really big bent his rod.

After a few minutes of fighting, he pulled in an 11-pound, 5-ounce trout. After the obligatory photos and a trip to the Corner Store to get it certified, the fish was filleted and will find its way to Rodriguez's smoker.

"It was pretty exciting," he said. "I may try to get out there this weekend."



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**CASITAS MUNICIPAL WATER DISTRICT  
TREASURER'S MONTHLY REPORT OF INVESTMENTS  
01/20/11**

Type of Invest	Institution	CUSIP	Date of Maturity	Amount of Deposit	Current Mkt Value	Rate of Interest	Date of Deposit	% of Portfolio	Days to Maturity	Weighed Average Days to Maturity
*TB	Federal Home Loan Bank	3133XS4S40	09/16/11	\$726,316	\$715,512	3.625%	07/01/10	5.79%	236	14
*TB	Federal Home Loan Bank	3133XSP930	12/13/13	\$743,750	\$738,668	3.125%	07/01/10	5.97%	1043	62
*TB	Federal Home Loan Bank	3133XWNB10	06/12/15	\$729,603	\$729,120	2.875%	07/01/10	5.90%	1582	93
*TB	Federal Home Loan Bank	3133XWW470	03/09/12	\$707,315	\$705,691	1.125%	06/30/10	5.71%	409	23
*TB	Federal Home Loan Bank	3134A4VG60	11/17/15	\$807,683	\$786,940	4.750%	07/19/10	6.36%	1737	111
*TB	Federal Home Loan MTG Corp	3137EABS70	09/27/13	\$766,605	\$758,128	4.125%	07/01/10	6.13%	967	59
*TB	Federal Home Loan MTG Corp	3137EACD90	07/28/14	\$739,907	\$737,597	3.000%	07/01/10	5.96%	1268	76
*TB	Federal Home Loan MTG Corp	3137EACE70	09/21/12	\$723,646	\$718,158	2.125%	06/30/10	5.81%	601	35
*TB	Federal Home Loan MTG Corp	3137EACF40	12/15/11	\$706,398	\$704,830	1.125%	06/30/10	5.70%	325	19
*TB	Federal Natl MTG Assn	31398AYY20	09/16/14	\$739,123	\$738,234	3.000%	07/01/10	5.97%	1316	79
*TB	US Treasury Inflation Index NTS	912828JE10	07/15/18	\$1,055,030	\$1,077,338	1.375%	07/06/10	8.71%	2695	235
*TB	US Treasury Notes	912828JW10	12/31/13	\$709,352	\$711,158	1.500%	04/01/10	5.75%	1061	61
*TB	US Treasury Notes	912828LZ10	11/30/14	\$718,129	\$719,250	2.125%	07/01/10	5.82%	1390	81
*TB	US Treasury Notes	912828MB30	12/15/12	\$709,707	\$707,189	1.125%	06/30/10	5.72%	685	39
*TB	US Treasury Inflation Index NTS	912828MF40	01/15/20	\$1,041,021	\$1,056,142	1.375%	07/01/10	8.54%	3235	276
*TB	US Treasury Notes	912828ML10	12/31/11	\$707,191	\$704,648	1.000%	06/30/10	5.70%	341	19
Accrued Interest (Interest paid at time of purchase)				\$58,062	\$58,025					
<b>Total in Gov't Sec. (11-00-1055-00&amp;1065)</b>				<b>\$12,388,838</b>	<b>\$12,366,628</b>			<b>76.45%</b>		
*CD	CD -			\$0	\$0	0.000%		0.00%		
<b>Total Certificates of Deposit: (11.13506)</b>				<b>\$0</b>	<b>\$0</b>			<b>0.00%</b>		
**	LAIF as of: (11-00-1050-00)		N/A	\$1,671,368	\$1,671,368	0.46%	Estimated	10.33%		
***	COVI as of: (11-00-1060-00)		N/A	\$2,137,397	\$2,137,397	0.97%	Estimated	13.21%		
<b>TOTAL FUNDS INVESTED</b>				<b>\$16,197,604</b>	<b>\$16,175,393</b>			<b>100.00%</b>		
Total Funds Invested last report				\$16,190,480	\$16,104,552					
Total Funds Invested 1 Yr. Ago				\$13,008,419	\$13,008,419					
****	CASH IN BANK (11-00-1000-00) EST			\$2,547,385	\$2,547,385					
****	CASH IN Western Asset Money Marke			\$15,130	\$15,130	0.470%				
<b>TOTAL CASH &amp; INVESTMENTS</b>				<b>\$18,760,118</b>	<b>\$18,737,908</b>					
TOTAL CASH & INVESTMENTS 1 YR AGO				\$13,342,334	\$13,342,334					

- \*CD CD - Certificate of Deposit
- \*TB TB - Federal Treasury Bonds or Bills
- \*\* Local Agency Investment Fund
- \*\*\* County of Ventura Investment Fund
- Estimated interest rate, actual not due at present time.
- \*\*\*\* Cash in bank

No investments were made pursuant to subdivision (i) of Section 53601, Section 53601.1 and subdivision (i) Section 53635 of the Government Code.  
All investments were made in accordance with the Treasurer's annual statement of investment policy.