

# Board Meeting Agenda

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

Pete Kaiser, Director  
James Word, Director

CASITAS MUNICIPAL WATER DISTRICT  
February 24, 2016  
3:00 P.M.  
1055 Ventura Avenue  
Oak View, CA 93022

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 (items not on the agenda – three minute limit).
2. General Manager comments.
3. Board of Director comments.
4. Board of Director Verbal Reports on Meetings Attended.
5. Consent Agenda
  - a. Minutes of February 10, 2016 Board Meeting.
6. Bills
7. Recommend approval of a purchase order to Perry Ford in the amount of \$21,186.00 for the purchase of a 2016 Ford Escape.

RECOMMENDED ACTION: Motion approving recommendation

8. Discussion regarding the request to increase sponsorship for Association of Water Agencies of Ventura County.

RECOMMENDED ACTION: Motion providing direction to staff.

9. Recommend approval of the License Fee Reimbursement Agreement with Carpinteria Valley Water District regarding sharing the license fee and other related costs of environmental Systems Research Institute Software.

RECOMMENDED ACTION: Motion approving recommendation.

10. Hydrology Report for Water Year 2014-15.

RECOMMENDED ACTION: Motion to receive and file.

11. Information Items:

- a. Executive Committee Minutes.
- b. Finance Committee Minutes.
- c. Association of California Water Agencies Spring Conference in Monterey, California.
- d. Casitas Reservoir Water Inventory Summary Calendar Year 2015.
- e. Lake Casitas Storage Volume Comparison.
- f. Investment Report.

12. Closed Session

- a. Public employee Performance Evaluation (Government Code Sec. 54957). Title: General Manager

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  
February 10, 2016

A meeting of the Board of Directors was held February 10, 2016 at the District office in Oak View, California. The meeting was called to order at 3:00 p.m. Directors Kaiser, Baggerly, Word, Hicks and Bergen were present. Also present were Steve Wickstrum, General Manager, Rebekah Vieira, Clerk of the Board, and Attorney, John Mathews. There were two staff members and three members of the public in attendance. President Kaiser led the group in the flag salute.

1. Public Comments (items not on the agenda – three minute limit).

None

2. General Manager comments.

Mr. Wickstrum reported that engineering and the sound consultant are conducting sound testing at the Reeves Road site for determination of the improvements that have been done. We hope to see a report soon.

3. Board of Director comments.

Director Hicks reported that his usage was only five units and that they have been trying to save water and comparing usage with a neighbor. He then informed the board of the discussion by Mark Watkins at the Ventura Chamber meeting. He added that there have been two reports rating Ventura as a best place to live. Ventura is the oldest city in the county and there will be a celebration in June for the 150<sup>th</sup> birthday.

Director Kaiser reported that he drove around the Recreation area and is impressed with the signage out there. The lake level is low and it is humbling. He then mentioned that he read that Cachuma is doing cloud seeding. Mr. Wickstrum explained that Santa Barbara has done cloud seeding since the 70's.

4. Board of Director Verbal Reports on Meetings Attended.

Director Bergen reported that Steve gave a nice presentation at the public outreach meeting for the Upper Ventura River Basin GSA. There was good background information on the process and timeline and how it will be put forth and opportunity to get feedback from ag and environmental seats. A major issue was with boundary changes and not knowing where the parcels are. There was a concern that if a well is in the basin but water is irrigated outside the basin it could be an export of water and affect water rights. The lawyers will discuss this further.

Director Word reported that the Ventura Chamber meeting discussed the recycled treatment plant and how the city of Ventura may make use of that water. It is obvious they are faced with a large number of issues that are not easily resolved. It is very expensive but still less than using desal. This is part of a

push to raise sales tax. Ventura is the oldest city and is in need of infrastructure repair.

Director Baggerly reported on a collaboration discussion with Jordan Kear, John Monday. they got the initial notification completed and sent to the Department of Water Resources Groundwater Sustainability office for the OBGMA boundary changes. This will be posted on the web as required and then they will move forward with the final and work to complete the Groundwater Sustainability plan.

5. Consent Agenda ADOPTED

- a. Minutes of January 27, 2016 Board Meeting.
- b. Recommend approval of a purchase order to Roy Allan Slurry Seal, Inc. in the amount of \$30,625.00 for Lake Casitas Recreation Area Roads Maintenance, Specification 15-384.

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

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

6. Bills APPROVED

Director Word questioned the money spent for lumber for the fish passage. Mr. Wickstrum explained that it is lumber to support the hillsides on the canal road.

On the motion of Director Hicks, seconded by Director Bergen, the Bills were approved by the following roll call vote:

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

7. Recommend approval of a purchase order to Water Works Engineers in the amount of \$92,161.00 for Engineering Services for the High Pressure Portion of Rincon Main Condition Assessment and Conceptual Design.

APPROVED

On the motion of Director Baggerly, seconded by Director Hicks, the above motion as approved by the following roll call vote:

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

8. Recommend consideration of the request of Bruce W. Hull & Associates, Inc. for a change order in the amount of \$25,000 for the Appraisal Report for the potential Golden State Water Company acquisition.

APPROVED

On the motion of Director Baggerly, seconded by Director Bergen, the above recommendation was approved by the following roll call vote:

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

9. Recommend authorizing the General Manager to sign the questionnaire letter to the Los Angeles 2024 Olympic Exploratory Committee.

APPROVED

On the motion of Director Word, seconded by Director Bergen, the above recommendation was approved by the following roll call vote:

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

10. Information Items: APPROVED

- a. Recreation Committee Minutes.
- b. Water Resources Committee Minutes.
- c. Recreation Area Report for November 2015
- d. Recreation Area Report for December 2015
- e. Water Consumption Report.
- f. CFD No. 2013-1 (Ojai) Monthly Cost Analysis.
- g. Investment Report.

On the motion of Director Baggerly, seconded by Director Bergen, the Information Items were approved for filing by the following roll call vote:

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

President Kaiser moved the meeting to closed session at 3:29 p.m. with Mr. Mathews reporting the closed session items and Mr. Wickstrum asking that Park Services Manager Belser attend the first item.

11. Closed Session

- a. Conference with Legal Counsel -- Anticipated Litigation  
Significant exposure to litigation pursuant to subdivision (b) of Section 54956.9, Government Code. (number of potential cases: two)

- b. (Govt. Code Sec. 54957.6)  
Conference with Labor Negotiators:  
Agency Designated Representatives: Rebekah Vieira  
Employee Organization: Supervisory & Professional, General Unit and  
Recreation Unit.

President Kaiser moved the meeting back into open session at 4:37 p.m. with Mr. Mathews stating the Board discussed two anticipated litigation cases and no action was taken. The Board also met regarding labor negotiations and direction was given.

12. Adjournment

President Kaiser adjourned the meeting at 4:38 p.m.

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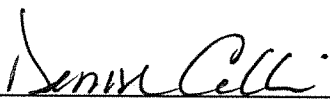
James W. Word, Secretary

**CASITAS MUNICIPAL WATER DISTRICT**  
**Payable Fund Check Authorization**  
**Checks Dated 2/9/16-2/17/16**  
**Presented to the Board of Directors For Approval February 24, 2016**

Check	Payee			Description	Amount
000624	Payables Fund Account	#	9759651478	Accounts Payable Batch 020916	\$109,519.20
000625	Payables Fund Account	#	9759651478	Accounts Payable Batch 021716	\$290,427.80
					\$399,947.00
000623	Payroll Fund Account	#	9469730919	Special Payroll Requirements	\$30,000.00
000626	Payroll Fund Account	#	9469730919	Estimated Payroll 3/3/16	\$135,000.00
					\$165,000.00
				Total	\$564,947.00

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, 000623-000626 have been duly audited is hereby certified as correct.

  
 \_\_\_\_\_  
 Denise Collin, Accounting Manager/Treasurer 2/17/16

\_\_\_\_\_  
 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.

000624 A/P Checks: 022888-022897  
A/P Draft to P.E.R.S.  
A/P Draft to State of CA  
A/P Draft to I.R.S.  
Voids:

000625 A/P Checks: 022898-022985  
A/P Draft to P.E.R.S. 021763  
A/P Draft to State of CA 021762  
A/P Draft to I.R.S. 021761  
Voids: 022949-022950

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

  
\_\_\_\_\_  
Denise Collin, Accounting Manager/Treasurer

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature



CERTIFICATION

Payroll disbursements for the pay period ending 2/13/16  
Pay Date of 2/18/16  
have been duly audited and are  
hereby certified as correct.

Signed: Denise Collin 2/17/16  
Denise Collin

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

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

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

2/17/2016 1:43 PM  
 VENDOR SET: 01 Casitas Municipal Water D  
 BANK: \* ALL BANKS  
 DATE RANGE: 2/09/2016 THRU 2/17/2016

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	2/17/2016			022949		
C-CHECK	VOID CHECK	V	2/17/2016			022950		

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

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

TOTAL ERRORS: 0

VENDOR SET: 01	BANK:	TOTALS:	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
			2	0.00	0.00	0.00
BANK:	TOTALS:		2	0.00	0.00	0.00

2/17/2016 1:43 PM  
 VENDOR SET: 01 Casitas Municipal Water D  
 BANK: AP ACCOUNTS PAYABLE  
 DATE RANGE: 2/09/2016 THRU 2/17/2016

A/P HISTORY CHECK REPORT

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00128	INTERNAL REVENUE SERVICE							
I-T1 201601291065	Federal Withholding	D	2/17/2016	1,063.81		021761		
I-T1 201602161068	Federal Withholding	D	2/17/2016	24,610.73		021761		
I-T3 201601291065	FICA Withholding	D	2/17/2016	606.78		021761		
I-T3 201602161068	FICA Withholding	D	2/17/2016	24,066.78		021761		
I-T4 201601291065	Medicare Withholding	D	2/17/2016	141.90		021761		
I-T4 201602161068	Medicare Withholding	D	2/17/2016	5,628.62		021761		56,118.62
00049	STATE OF CALIFORNIA							
I-T2 201601291065	State Withholding	D	2/17/2016	372.70		021762		
I-T2 201602161068	State Withholding	D	2/17/2016	8,204.23		021762		8,576.93
00187	CALPERS							
I-PBB201602161068	PERS BUY BACK	D	2/17/2016	66.87		021763		
I-PBP201602161068	PERS BUY BACK	D	2/17/2016	161.96		021763		
I-PEB201601291065	PEBRA EMPLOYEES PORTION	D	2/17/2016	50.97		021763		
I-PEB201602161068	PEBRA EMPLOYEES PORTION	D	2/17/2016	1,493.01		021763		
I-PER201602161068	PERS EMPLOYEE PORTION	D	2/17/2016	9,509.88		021763		
I-PRB201601291065	PEBRA EMPLOYER PORTION	D	2/17/2016	50.87		021763		
I-PRB201602161068	PEBRA EMPLOYER PORTION	D	2/17/2016	1,489.88		021763		
I-PRR201602161068	PERS EMPLOYER PORTION	D	2/17/2016	9,901.80		021763		22,725.24
00511	Centers for Family Health							
I-121815	DOS 12/18/15 Claim#15-21637	R	2/09/2016	94.61		022888		
I-49380	Drug Screens 6/15-7/15	R	2/09/2016	667.00		022888		761.61
01384	CLEAN HARBORS ENVIRONMENTAL SE							
I-1600052647	Hazardous Waste Pickup	R	2/09/2016	3,701.53		022889		3,701.53
01483	CORVEL CORPORATION							
I-698258751	Bill Review	R	2/09/2016	12.10		022890		12.10
00126	CAROLE ILES							
I-Jan 16	Reimburse Mileage 1/16	R	2/09/2016	37.80		022891		37.80
01270	SCOTT LEWIS							
I-Jan 16	Reimburse Mileage 1/16	R	2/09/2016	492.88		022892		492.88
09342	MERRIMAN PAVING & EXCAVATING							
I-020616	Paving District Patches	R	2/09/2016	48,592.00		022893		48,592.00
02724	Michael Moler							
I-Jan 16	Reimburse Mileage 1/16	R	2/09/2016	112.32		022894		112.32

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00912	OJAI BUSINESS CENTER, INC							
I-10918	Shipping, Printing & Supplies	R	2/09/2016	278.63		022895		
I-10993	Shipping & Copies	R	2/09/2016	181.73		022895		460.36
00215	SOUTHERN CALIFORNIA EDISON							
I-020316	Acct#2237789169	R	2/09/2016	29.00		022896		
I-020316a	Acct#2210502480	R	2/09/2016	53,600.35		022896		
I-020316b	Acct#2210505426	R	2/09/2016	1,707.24		022896		55,336.59
09775	VENTURA ORTHOPEDICS MEDICAL GR							
I-041415a	DOS 4/14/15 Claim#15-19914	R	2/09/2016	12.01		022897		12.01
02587	A&M LAWNMOWER SHOP							
I-41866	Blade Cleaner for Dist Maint	R	2/17/2016	14.41		022898		14.41
02822	Acorn Media							
I-00036733	Bins for Parts, LCRA Maint	R	2/17/2016	576.18		022899		576.18
00010	AIRGAS USA LLC							
I-9047875785	Hinges for Robles	R	2/17/2016	24.96		022900		
I-9933502198	Cylinder Rental	R	2/17/2016	60.23		022900		85.19
00836	AMERICAN RED CROSS							
I-10422649	Lifeguard Training, WP	R	2/17/2016	105.00		022901		
I-10425293	First Aid Training, Waterpark	R	2/17/2016	35.00		022901		140.00
00014	AQUA-FLO SUPPLY							
I-881438	Plumbing for Camp E Restroom	R	2/17/2016	259.20		022902		
I-885328	PVC Parts for WP Sump Pump	R	2/17/2016	96.57		022902		355.77
00840	AQUA-METRIC SALES COMPANY							
I-0059511	Hydrant Meters for Inventory	R	2/17/2016	5,805.00		022903		5,805.00
02179	Art Street Interactive							
I-123446	Res Sys Maint/Web Hosting	R	2/17/2016	542.15		022904		542.15
01242	AUTOMATIONDIRECT.COM INC.							
C-6697516a	Accrue Use Tax	R	2/17/2016	29.85CR		022905		
D-6697516a	Accrue Use Tax	R	2/17/2016	29.85		022905		
I-6697516	Ethernet Switch for E&M	R	2/17/2016	398.00		022905		398.00
00020	AVENUE HARDWARE, INC							
I-62173	Pliers, Pry Bar for Dist Maint	R	2/17/2016	71.92		022906		
I-62630	Seam Seal, Light Bulb for TP	R	2/17/2016	16.45		022906		
I-62715	Bolts for TP Roof Safety Cable	R	2/17/2016	9.85		022906		98.22

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00021	AWA OF VENTURA COUNTY I-021616 Waterwise Breakfast 2/18/16	R	2/17/2016	50.00		022907		50.00
00030	B&R TOOL AND SUPPLY CO I-1900877623 Cutting Tools for Pump Plants I-1900877897 Band Saw Blade for Pipelines I-1900878044 Band Saw for E & M I-1900878387 Transfer Fuel Tank & Pump, PL	R R R R	2/17/2016 2/17/2016 2/17/2016 2/17/2016	54.80 41.73 328.95 1,071.21		022908 022908 022908 022908		1,496.69
00679	BAKERSFIELD PIPE & SUPPLY INC I-S2238755001 WD40, Teflon Tape for PL I-S2239803001 Valves for TP Air Filters	R R	2/17/2016 2/17/2016	53.15 344.00		022909 022909		397.15
00326	BEN MEADOWS I-SI02229660 Shade Cloth, Swallow Control	R	2/17/2016	338.27		022910		338.27
01062	BP Medical Supplies C-E182330a Accrue Use Tax D-E182330a Accrue Use Tax I-E182330 CPR Masks for Training	R R R	2/17/2016 2/17/2016 2/17/2016	11.44CR 11.44 152.50		022911 022911 022911		152.50
01611	BURLINGTON SAFETY LABORATORY, I-43037 Gloves Tested, 1 Replaced, E&M I-43169 Retest Gloves for E&M	R R	2/17/2016 2/17/2016	156.05 66.50		022912 022912		222.55
01236	CAPPO, CA. ASSOC. OF PUBLIC I-021116 Membership 3/1/16-2/28/17	R	2/17/2016	130.00		022913		130.00
01023	CARQUEST AUTO PARTS I-7294485381 Oil for Pumps, Pipelines	R	2/17/2016	10.26		022914		10.26
00055	CASITAS BOAT RENTALS I-Jan 16 Cafe Passes Reimburse Cafe Passes 1/16	R	2/17/2016	1,448.77		022915		1,448.77
00055	CASITAS BOAT RENTALS I-Jan 16 Gas Gas for Boats at LCRA	R	2/17/2016	787.30		022916		787.30
00117	CERTEX USA, INC I-1071379200 Intake Hoist Snatch Block, TP I-1071403200 Safety Harness for E&M	R R	2/17/2016 2/17/2016	1,120.58 637.30		022917 022917		1,757.88
01384	CLEAN HARBORS ENVIRONMENTAL SE I-1001258830 Recycle Batteries	R	2/17/2016	78.67		022918		78.67

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
02322	Coast Cart, Inc.							
I-8917	2 Tires for Club Car #9395	R	2/17/2016	132.39		022919		132.39
01843	COASTAL COPY							
I-651369	Copier Usage, LCRA	R	2/17/2016	102.71		022920		
I-653138	Copier Usage, Dist Ofc	R	2/17/2016	139.02		022920		241.73
00061	COMPUWAVE							
I-SB02082531	Toner Cartridges	R	2/17/2016	518.72		022921		
I-SB02082536	Computer Monitor for TP	R	2/17/2016	139.68		022921		
I-SB02082594	Printer Cartridges	R	2/17/2016	161.53		022921		
I-SB02082598	Software for Admin Laptop	R	2/17/2016	370.88		022921		1,190.81
00331	COORDINATED WIRE ROPE							
I-79833	Binder Chain for Backhoe, #116	R	2/17/2016	193.50		022922		193.50
00719	CORELOGIC INFORMATION SOLUTION							
I-81661718	Monthly Realquest Subscription	R	2/17/2016	137.50		022923		137.50
01001	CUSTOM PRINTING							
I-137424	Frequent Visitor Agreements	R	2/17/2016	343.42		022924		
I-137425	Annual Boat Decal Permit Agree	R	2/17/2016	343.42		022924		686.84
01764	DataProse, LLC							
I-DP1600050	UB Mailing Jan 16	R	2/17/2016	1,896.48		022925		1,896.48
00085	DON'S INDUSTRIAL SUPPLIES, INC							
I-358504	Hose Assembly, Pump Plant	R	2/17/2016	44.95		022926		
I-358512	Hose for Pipelines	R	2/17/2016	16.27		022926		61.22
01595	DOUBLE R TOWING							
I-012516	Towing,Battery,Alternator, #31	R	2/17/2016	513.75		022927		513.75
00488	ELECTRONIC SYSTEMS TECHNOLOGY							
C-31215a	Accrue Use Tax	R	2/17/2016	112.32CR		022928		
D-31215a	Accrue Use Tax	R	2/17/2016	112.32		022928		
I-31215	Coax Cables for Telemetry	R	2/17/2016	1,349.24		022928		1,349.24
00095	FAMCON PIPE & SUPPLY							
I-176939	Quick Joints for Warehouse	R	2/17/2016	219.30		022929		
I-177036	Adapters for Water Line Repair	R	2/17/2016	9,661.56		022929		
I-177096	PVC Caps for Pipelines	R	2/17/2016	419.25		022929		
I-177116	Adapters, Wrench for Pipelines	R	2/17/2016	492.35		022929		10,792.46

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00099	FGL ENVIRONMENTAL							
I-514278A	Metals, Total-Mn	R	2/17/2016	70.00		022930		
I-600118A	Metals, Total-Mn	R	2/17/2016	70.00		022930		
I-600119A	Lake Nutrients Monitoring12/29	R	2/17/2016	1,328.00		022930		
I-600120A	Wet Chemistry-Turbidity	R	2/17/2016	16.00		022930		1,484.00
00101	FISHER SCIENTIFIC							
I-1431980	Lab Testing Supplies	R	2/17/2016	183.82		022931		
I-2518262	Lab Testing Supplies	R	2/17/2016	85.14		022931		268.96
02823	Franchise Tax Board							
I-012516	Order#617162386968906673	R	2/17/2016	171.25		022932		171.25
	Personal Income Tax Withheld							
00104	FRED'S TIRE MAN							
I-88852	4 Tires for #11, Dist Maint	R	2/17/2016	1,488.65		022933		
I-88854	2 Tires for #69, Dump Truck	R	2/17/2016	998.00		022933		2,486.65
00106	FRONTIER PAINT							
I-F0211537	Paint for LCRA RR Floor	R	2/17/2016	147.98		022934		147.98
01280	FRY'S ELECTRONICS, INC.							
I-6221624	3 Battery Backups, LCRA Office	R	2/17/2016	442.76		022935		
I-6221628	Computer Backup Batteries, WP	R	2/17/2016	346.52		022935		
I-6242646	Monitor, Memory for LCRA	R	2/17/2016	181.62		022935		970.90
02720	Garda CL West, Inc.							
I-10178939	Armored Truck Service Feb 16	R	2/17/2016	603.29		022936		603.29
00115	GRAINGER, INC							
I-9012728391	ARC Flash Protection, E & M	R	2/17/2016	132.78		022937		
I-9016835028	Door Closer, Dist Office	R	2/17/2016	324.69		022937		
I-9018903444	Tire Inflator for LCRA Maint	R	2/17/2016	86.88		022937		
I-9020006400	Hand Soap for LCRA Maint	R	2/17/2016	91.20		022937		635.55
02217	Greg Rents							
I-32166	Slurry Backfill Mix for PL	R	2/17/2016	200.46		022938		200.46
00121	HACH COMPANY							
I-9785144	Reagents for Water Quality	R	2/17/2016	57.52		022939		57.52
01052	HARBOR FREIGHT TOOLS USA, INC							
I-01133902	Steel Brushes for LCRA Maint	R	2/17/2016	6.42		022940		
I-741000	Heater, Safety Glasses, Maint	R	2/17/2016	81.64		022940		88.06

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00369	HARRINGTON INDUSTRIAL PLASTICS							
I-01391731	Parts for TP Hypochlorite Pump	R	2/17/2016	267.73		022941		267.73
00872	Irrisoft, Inc.							
I-5714	Weather Station Signal Service	R	2/17/2016	79.00		022942		79.00
02344	Janitek Cleaning Solutions							
I-22669A	Janitorial Services Feb 16	R	2/17/2016	1,329.00		022943		1,329.00
01272	LISA KOLAR							
I-021216	Advance for CPRS Class	R	2/17/2016	807.00		022944		807.00
00328	LIGHTNING RIDGE							
I-1291609	Clothing for Lab Tech	R	2/17/2016	78.34		022945		78.34
02736	Manito Construction Inc.							
I-020816	Hypolimnetic Aeration-Final	R	2/17/2016	66,176.37		022946		66,176.37
00329	MCMaster-CARR SUPPLY CO.							
I-49048550	Air Filetrs for Pump Plants	R	2/17/2016	97.21		022947		97.21
00151	MEINERS OAKS ACE HARDWARE							
C-703550	Lock Returned Inv#700515	R	2/17/2016	5.86CR		022948		
I-699817	Krazy Glue for Pipelines	R	2/17/2016	3.21		022948		
I-699930	Plumbing for Camp E Restroom	R	2/17/2016	284.06		022948		
I-699931	Plumbing for Camp E Restroom	R	2/17/2016	0.58		022948		
I-700460	Clamps for Fisheries	R	2/17/2016	6.84		022948		
I-702232	Paint for Restrooms, LCRA	R	2/17/2016	204.15		022948		
I-702486	Paint & Supplies for Camp E	R	2/17/2016	147.03		022948		
I-702516	Bolts & Screws for Fisheries	R	2/17/2016	5.12		022948		
I-702574	Paint & Supplies for Camp E	R	2/17/2016	87.92		022948		
I-702993	Paint & Supplies for Camp E	R	2/17/2016	252.63		022948		
I-703099	Sanding Supplies for Waterpark	R	2/17/2016	89.05		022948		
I-703230	Spraypaint for Dist Maint	R	2/17/2016	3.90		022948		
I-703557	Acrylic, Cam Lock for WP	R	2/17/2016	24.93		022948		
I-703601	Wire, Rod, Cable, LCRA Maint	R	2/17/2016	46.67		022948		
I-703614	Paint, Paint Brushed for WP	R	2/17/2016	65.17		022948		
I-703621	Bolts for Pipelines	R	2/17/2016	33.63		022948		
I-703740	Screws, Panel for LCRA Maint	R	2/17/2016	54.36		022948		
I-703927	Bolt for Waterpark	R	2/17/2016	1.06		022948		
I-704035	Silicone for Skylight, TP	R	2/17/2016	19.52		022948		
I-704070	Padlock, Shovel, Gloves, WP	R	2/17/2016	46.13		022948		
I-704153	Blades, Gassers for Dist Maint	R	2/17/2016	26.85		022948		
I-704224	Spray Paint, Bolts, Pipeline	R	2/17/2016	15.43		022948		
I-704290	Hammer, Batteries for WP	R	2/17/2016	28.92		022948		
I-704541	Silicone for Dist Maint	R	2/17/2016	29.28		022948		
I-704575	Parts for Gutters at Avel PP	R	2/17/2016	44.55		022948		
I-704716	Hammer Bit, Bolts for WP	R	2/17/2016	15.27		022948		



2/17/2016 1:43 PM  
 VENDOR SET: 01 Casitas Municipal Water D  
 BANK: AP ACCOUNTS PAYABLE  
 DATE RANGE: 2/09/2016 THRU 2/17/2016

A/P HISTORY CHECK REPORT

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
I-704742	Rebar, Tiller for Dist Maint	R	2/17/2016	54.06		022948		
I-704896	Screws for LCRA Maint	R	2/17/2016	22.56		022948		
I-705045	Cleaning Supplies for PL	R	2/17/2016	41.40		022948		
I-705275	Tape for Telemetry	R	2/17/2016	40.97		022948		
I-705305	Broom for Dist Crew	R	2/17/2016	13.10		022948		1,702.49
00163	OFFICE DEPOT							
I-817599411001	Office Supplies	R	2/17/2016	94.82		022951		
I-819353884001	Office Supplies	R	2/17/2016	10.11		022951		
I-821251235001	Office Supplies	R	2/17/2016	60.50		022951		
I-822741153001	Office Supplies	R	2/17/2016	10.63		022951		
I-822741364001	Office Supplies	R	2/17/2016	98.41		022951		274.47
00625	OfficeTeam							
I-45032655	Admin Temp	R	2/17/2016	866.80		022952		866.80
01570	Ojai Auto Supply LLC							
I-364264	Door Handle for #28, LCRA	R	2/17/2016	39.76		022953		
I-365231	Bulb for #42, Pipeline Truck	R	2/17/2016	17.74		022953		57.50
00169	OJAI VALLEY SANITARY DISTRICT							
I-18042	Cust#20594	R	2/17/2016	166.08		022954		166.08
00188	PETTY CASH							
I-021216	Replenish Petty Cash	R	2/17/2016	42.15		022955		42.15
00184	POWERSTRIDE BATTERY CO, INC							
I-V590924	Battery for Club Car B	R	2/17/2016	136.20		022956		
I-V590971	Battery for #11, Dist Maint	R	2/17/2016	118.28		022956		
I-V590986	Batteries for Backhoe #109	R	2/17/2016	222.74		022956		
I-V590992	Batteries for #42, PL Truck	R	2/17/2016	236.57		022956		713.79
10042	PSR ENVIRONMENTAL SERVICE, INC							
I-7490	Gas Tank Inspection, Main Yard	R	2/17/2016	210.00		022957		
I-7491	Gas Tank Inspection, LCRA	R	2/17/2016	210.00		022957		420.00
00313	ROCK LONG'S AUTOMOTIVE							
I-17055	Oil Change, #51, Pipelines	R	2/17/2016	151.29		022958		
I-17142	Oil Change, Purge Valve, #13	R	2/17/2016	292.64		022958		443.93
02756	SC Fuels							
I-0512467IN	Gas & Diesel for Main Yard	R	2/17/2016	3,938.46		022959		3,938.46

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00725	SMART & FINAL I-020916 Vinegar, Coffee for TP	R	2/17/2016	41.34		022960		41.34
02703	Sunbelt Rentals I-57956647001 Scissorlift Rental, Waterpark	R	2/17/2016	322.64		022961		322.64
02643	Take Care by WageWorks I-4028729 Reimburse Medical	R	2/17/2016	564.00		022962		564.00
00498	BRIAN TAYLOR I-020916 Safety Boots	R	2/17/2016	170.00		022963		170.00
02497	Total Barricade Service, Inc. I-35351 Traffic Control, Svc Install	R	2/17/2016	1,016.00		022964		
	I-35374 Traffic Control, Svc Install	R	2/17/2016	891.00		022964		
	I-35375 Traffic Control, Svc Install	R	2/17/2016	691.00		022964		
	I-35563 Cones for Pipelines	R	2/17/2016	36.00		022964		2,634.00
00225	UNDERGROUND SERVICE ALERT I-120160093 New Ticket Charges	R	2/17/2016	204.00		022965		204.00
02784	United Rentals I-134985798001 Dewatering Pumps for PL	R	2/17/2016	1,945.75		022966		1,945.75
00234	UNITED WATER CONSERVATION I-021216 State Water Plan Payment	R	2/17/2016	19,913.25		022967		19,913.25
02760	Los Angeles Truck Centers LLC I-XS5491 Repair Lights on Util Trailer	R	2/17/2016	413.43		022968		413.43
00250	COUNTY OF VENTURA I-IN0147357 Hazardous Material Fee, Ave#2	R	2/17/2016	1,135.36		022969		1,135.36
00254	VENTURA LOCKSMITHS I-38936 Rekey Locks, LCRA	R	2/17/2016	505.99		022970		
	I-38999 Fix Lock, LCRA	R	2/17/2016	255.85		022970		761.84
00257	VENTURA RIVER WATER DISTRICT I-013116 Acct#0537500A	R	2/17/2016	48.99		022971		
	I-013116a Acct#0350100A	R	2/17/2016	18.27		022971		67.26
00949	CITY OF VENTURA I-021216 State Water Plan Payment	R	2/17/2016	39,826.50		022972		39,826.50

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
01283	Verizon Wireless							
	I-9759906612 Monthly Cell Charges, DO & TP	R	2/17/2016	962.84		022973		
	I-9759907185 LCRA Monthly Cell Charges	R	2/17/2016	492.16		022973		1,455.00
02583	WageWorks							
	I-125AI0447132 FSA Monthly Fee	R	2/17/2016	86.40		022974		86.40
00663	WAXIE SANITARY SUPPLY							
	I-75784697 Janitorial Supplies	R	2/17/2016	1,729.46		022975		1,729.46
00330	WHITE CAP CONSTRUCTION SUPPLY							
	I-10004704068 Tools, Gloves for Pipelines	R	2/17/2016	135.39		022976		135.39
1	Arthur K Samson							
	I-000201602091067 TS Refund	R	2/17/2016	42.00		022977		42.00
00124	ICMA RETIREMENT TRUST - 457							
	I-CUI201602161068 457 CATCH UP	R	2/17/2016	461.54		022978		
	I-DCI201602161068 DEFERRED COMP FLAT	R	2/17/2016	1,859.62		022978		
	I-DI%201602161068 DEFERRED COMP PERCENT	R	2/17/2016	179.61		022978		2,500.77
01960	Moringa Community							
	I-MOR201602161068 PAYROLL CONTRIBUTIONS	R	2/17/2016	16.75		022979		16.75
00985	NATIONWIDE RETIREMENT SOLUTION							
	I-CUN201602161068 457 CATCH UP	R	2/17/2016	211.53		022980		
	I-DCN201602161068 DEFERRED COMP FLAT	R	2/17/2016	3,983.85		022980		
	I-DN%201602161068 DEFERRED COMP PERCENT	R	2/17/2016	319.30		022980		4,514.68
00180	S.E.I.U. - LOCAL 721							
	I-COP201602161068 SEIU 721 COPE	R	2/17/2016	12.00		022981		
	I-UND201602161068 UNION DUES	R	2/17/2016	676.00		022981		688.00
01400	STATE DISBURSEMENT UNIT							
	I-CS4201602161068 Payroll Deduction 10-D000121	R	2/17/2016	818.57		022982		818.57
00230	UNITED WAY							
	I-UWY201602161068 PAYROLL CONTRIBUTIONS	R	2/17/2016	60.00		022983		60.00
01001	CUSTOM PRINTING							
	I-021016 Postage for Newsletter	R	2/17/2016	5,070.00		022984		5,070.00
00270	Wells Fargo Bank							
	I-020816 Boat Cover, Damtender's Boat	R	2/17/2016	81.64		022985		
	I-020816a Course and Exam	R	2/17/2016	755.00		022985		
	Playground Safety Inspector Certification							
	I-020816b Breakroom Suppiles,Dist Office	R	2/17/2016	100.06		022985		
	I-020816c CSDA Webinars	R	2/17/2016	147.00		022985		

2/17/2016 1:43 PM  
 VENDOR SET: 01 Casitas Municipal Water D  
 BANK: AP ACCOUNTS PAYABLE  
 DATE RANGE: 2/09/2016 THRU 2/17/2016

A/P HISTORY CHECK REPORT

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
I-020816e	Monthly Credit Card Charges	R	2/17/2016	151.10		022985		1,234.80

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

	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
REGULAR CHECKS:	96	312,526.21	0.00	312,526.21
HAND CHECKS:	0	0.00	0.00	0.00
DRAFTS:	3	87,420.79	0.00	87,420.79
EFT:	0	0.00	0.00	0.00
NON CHECKS:	0	0.00	0.00	0.00
VOID CHECKS:	0			
VOID DEBITS		0.00		
VOID CREDITS		0.00	0.00	

TOTAL ERRORS: 0

VENDOR SET: 01	BANK: AP	TOTALS:	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
			99	399,947.00	0.00	399,947.00
BANK: AP	TOTALS:		99	399,947.00	0.00	399,947.00
REPORT TOTALS:			101	399,947.00	0.00	399,947.00

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**CASITAS MUNICIPAL WATER DISTRICT  
MEMORANDUM**

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**TO:** BOARD OF DIRECTORS  
**CC:** STEVE WICKSTRUM, GENERAL MANAGER  
**FROM:** RON MERCKLING, PUBLIC AFFAIRS/RESOURCE MANAGER  
**SUBJECT:** RECOMMEND PURCHASE OF NEW ADMINISTRATION VEHICLE  
**DATE:** FEBRUARY 24, 2016

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**RECOMMENDATION:**

It is recommended that the Board of Directors approve the General Manager's authorization to purchase a 2016 Ford Escape S for the Administration Department from Perry Ford in the amount of \$21,186.00.

**BACKGROUND:**

This purchase would be within budget, there was \$25,000 budgeted to replace this vehicle. Four bids were received for specifications for a 2016 Ford Escape S, 2.5 L I-4 gasoline, 6 speed automatic transmission.

Bids were received from four dealers as indicated in the following table.

Dealer	Bid Amount
Perry Ford	\$21,186.00
Ford of Ventura	\$21,792.34
National Auto Fleet Group	\$23,568.24
Vista Ford	\$23,906.00

This vehicle will replace the Administration's Chevrolet Venture van, 2001, which will be delivered to the Recreation Department.

# MEMORANDUM

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TO: Board of Directors  
From: Steven E. Wickstrum, General Manager  
RE: Sponsorship Adjustments - Association of Water Agencies of Ventura County  
Date: February 17, 2015

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## RECOMMENDATION:

It is recommended that the Board of Directors provide direction regarding the level of sponsorship provide to the Association of Water Agencies of Ventura County (AWA).

## BACKGROUND:

Recently, AWA has put out a call to agencies to consider increasing their monetary sponsorships due to a decline in memberships and increasing cost of operation. The AWA call to submit sponsorship funding for the Symposium and the call for increasing annual sponsorships are attached to this memorandum.

By Resolution 16-01, the Board of Directors approved memberships and sponsorships for 2016. The membership in the AWA was approved for a membership fee of \$6,000 and the sponsorships of \$1,000 each for the Symposium and Policymaker Reception (Regan Library event).

The District's sponsorship level is as a Patron, at \$1,000. The next level is as a Champion for a sponsorship of \$2,500. The highest level of sponsorship is the Title at \$5,000. Each sponsorship level provides a varying amount of acknowledgement.

Since the inception of the AWA, some 40 years ago, Casitas has been a recognized member and sponsor of AWA. If there is interest in increasing the Casitas sponsorship, there is an opportunity to do so in the call for sponsors for the 24<sup>th</sup> Annual Water Symposium.



## ASSOCIATION OF WATER AGENCIES OF VENTURA COUNTY

AWA IS PLEASED TO ANNOUNCE IN 2016, WE ARE CELEBRATING  
40 YEARS OF COLLABORATION WITH OUR WATER COMMUNITY!

### Officers

#### President

Thomas Slosson

#### President Elect

Danny Pereira

#### Vice President

Joe Gibson

#### Treasurer

Sheldon Berger

#### Secretary

John Zaragoza

#### Immediate Past President

Bryan MacDonald

### Directors

#### Neal Andrews, Councilmember

City of San Buenaventura

#### Brian Bauknecht, Utility Leader

Procter & Gamble

#### Sheldon Berger, Director

United Water Conservation District

#### Joel Price, Mayor

City of Thousand Oaks

#### John R. (Jack) Curtis, Director

Ventura River County Water District

#### Ann DeMartini, CEO

Tom Grether Farms, Inc.

#### Al Fox, Director

Camrosa Water District

#### Ryan Gallagher, Water Engineer

KEH & Associates, Inc.

#### Joe Gibson, Partner

Meridian Consultants

#### William H. Hair, Attorney

Musick, Peeler & Garrett, LLP

#### Bob Huber, Mayor

City of Simi Valley

#### Bryan MacDonald, Councilman

City of Oxnard

#### Keith Moore, Director

Port Huene Water Agency

#### Douglas Tucker, Mayor

City of Fillmore

#### Danny Pereira, Director

Rio Farms/Farm Bureau Ventura County

#### Rick Saldivar, Operations Manager

California American Water

#### Thomas Slosson, Director

Calleguas Municipal Water District

#### Nancy Williams, Region Manager

Southern California Edison

#### Jim Word, Director

Casitas Municipal Water District

#### John Zaragoza, Supervisor

V.C. Board of Supervisors

#### Managing Director

Kelle L. Pistone

The Association of Water Agencies (AWA) is a non-profit group of concerned and interested water agencies formed in 1976 as a means to collaborate and advise on solutions to important water problems and sustainability in our region...such as groundwater management, water efficiency, seawater intrusion, reclamation, desalination, water education, reuse and importation of state water.

Today the members of AWA include water wholesalers/purveyors; conservation districts, agricultural, domestic and industrial water users; policymakers/elected officials; private businesses and individuals who are interested in water and willing to make a difference.

We are a diversified group with various water issues and concerns including water quality, water shortages, rising water prices, stricter federal and state regulation, need to optimize local and imported sources, lack of adequate storage for sought-after reliability and other issues that require coordinated efforts.

AWA is an instrumental group, working to achieve cooperation to maximize available supplies through collaboration by providing a vehicle for communication and mutual benefit in working together to meet these challenges.

### PLEASE KEEP US IN MIND!

**AWA is funded by memberships and sponsorships. 2016 holds a new challenge of budgetary goals in an environment of budget cuts, diminishing businesses and mergers, while the price of doing business is on the rise.**

**We'd be most appreciative for your assistance. Please consider increasing annual sponsorships if possible, or partnering with AWA on grant opportunities to disseminate information or hosting educational forums. Recommend AWA membership and/or program participation to your business associates. Every little bit helps!**

Meanwhile, there is much work to be done on the water horizon for our region this year. Together, we look forward to continuing our mission *"To develop and encourage cooperation among the entities for the development, protection, conservation and improvement of the total water resources for Ventura County."*

**The 2016 AWA Calendar of Events/Meetings and Sponsorship Opportunities are attached. Thank you for your ongoing support, participation and cooperation.**

Sincerely,

*Kelle L. Pistone*

Managing Director



Association of Water Agencies of Ventura County

# CALLING ALL SPONSORS!

ANNOUNCING THE...

## 24th ANNUAL WATER SYMPOSIUM

COURTYARD BY MARRIOTT – OXNARD

**THURSDAY, APRIL 21, 2016**

### *“PERFECT STORMS”*

### **Managing water in an era of mega-floods and mega-droughts**

Climate-change modeling predicts increasing instability in California’s weather, with extreme events — extended drought, as well as intense flooding...What does the future hold for Ventura County? What must we do to cope with extreme weather, and to harness it for the benefit of our farms and cities?

**What can we do to make every storm a perfect storm — one that replenishes groundwater, refills reservoirs, irrigates crops and remains comfortably within the limits of our flood-protection systems?**

**BECOME AN EVENT SPONSOR!  
LIMITED EXHIBITOR SPACES AVAILABLE — CALL NOW!**

**DON’T MISS THIS OPPORTUNITY TO BE A PART OF THE ACTION...  
SHOWCASE YOUR BUSINESS/AGENCY!**

**LARGEST ANNUAL WATER CONFERENCE IN THE REGION - OVER 50 AGENCIES REPRESENTED**

- One-of-a-kind, premiere, annual event focusing primarily on water issues.
- Hundreds of attendees include water operators, managers, key policymakers, elected officials, water related business and industry leaders.
- Annual water leadership awards, vendor exhibition, continental breakfast, served luncheon and up-to-date informative topics.
- CDPH Water Education Certification Hours

Contact AWA: (805) 644-0922      [awa@awavc.org](mailto:awa@awavc.org)      [www.awavc.org](http://www.awavc.org)





*Symposium Sponsorship Program*

**Sponsor Information**

Company Name \_\_\_\_\_  
List **EXACTLY** as you want it printed for recognition

Company Contact \_\_\_\_\_

Brief Company Description \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail \_\_\_\_\_

Authorizing Signature \_\_\_\_\_ Date \_\_\_\_\_

**Indicate Sponsor Level**

- Title..... \$5000**
- Champion..... \$2500**
- Patron ..... \$1000**
- Sponsor..... \$500**
- Sponsor & Exhibitor..... \$700**
- Exhibitor (Member)..... \$300 \***
- Exhibitor (Non-Member) ..... \$400 \***

**Payment Options**

- Check enclosed     Invoice us prior to event

~ AWA Federal Tax ID #77-0232669 ~

**Return this Form Via:**

**Email: [awa@awavc.org](mailto:awa@awavc.org)**

**Mail: AWA, 5156 McGrath Street, Suite 104, Ventura, CA 93003**

**Fax: 805.644.0435**

**Questions: 805.644.0922 ext. 1**

**IMPORTANT:**

Your commitment is all that is needed at this time.  
In order to have your company listed in the event material,

**PLEASE return this form ASAP**

*\* Sponsors at the "exhibitor only" level are not listed in the event invitation.*

**Save The Event Date!**  
**April 21, 2016**



## 24<sup>th</sup> Annual AWA Water Symposium

# Sponsorship Levels

<b>TITLE.....\$5000</b>	
<ul style="list-style-type: none"> <li>▪ Top Billing on Printed Materials</li> <li>▪ Special Appreciation Banner near Stage</li> <li>▪ Company Name and Logo on Welcome Signage</li> <li>▪ Special acknowledgement on Screen Display</li> <li>▪ Special Introduction during Program</li> <li>▪ Distribute Company Info in Attendee Packets</li> <li>▪ Free Exhibit Space</li> <li>▪ Reserved VIP Table for 8 (conference &amp; lunch)</li> </ul>	
<b>CHAMPION .....\$2500</b>	
<ul style="list-style-type: none"> <li>▪ Prominent Recognition on Printed Materials</li> <li>▪ Appreciation Banner near Stage</li> <li>▪ Distribute Company Info in Attendee Packets</li> <li>▪ Company Name on Screen Display</li> <li>▪ Four Complimentary Tickets (conference &amp; lunch)</li> <li>▪ Free Exhibit Space</li> </ul>	
<b>PATRON .....\$1000</b>	
<ul style="list-style-type: none"> <li>▪ Recognition on Printed Materials</li> <li>▪ Acknowledgement on Signage at Stage</li> <li>▪ Company Name on Screen Display</li> <li>▪ Two Complimentary Tickets (conference &amp; lunch)</li> <li>▪ Free Exhibit Space</li> </ul>	
<b>SPONSOR..... \$500</b>	
<ul style="list-style-type: none"> <li>▪ Listing on Printed Materials</li> <li>▪ Company Name on Screen Display</li> <li>▪ One Complimentary Ticket (conference &amp; lunch)</li> <li>▪ <b>Discounted Exhibit Space ..... \$200</b></li> </ul>	
<b>EXHIBITOR (MEMBER) ..... \$300</b>	
<b>EXHIBITOR (NON-MEMBER)... \$400</b>	
<ul style="list-style-type: none"> <li>▪ Opportunity to Showcase Your Company to hundreds of attendees. Over 50 water related agencies represented.</li> <li>▪ Provisions Include exhibit space, skirted table, chairs &amp; electricity if desired.</li> <li>▪ Listing in exhibitor brochure (Lunch/Conference Ticket is <u>NOT</u> included)</li> </ul>	

Please Help Sponsor this Informative Conference...

*Water is a precious resource...Support AWA*

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CASITAS MUNICIPAL WATER DISTRICT  
INTEROFFICE MEMORANDUM

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**TO:** STEVE WICKSTRUM, GENERAL MANAGER  
**FROM:** TODD EVANS, ASSISTANT ENGINEER  
**SUBJECT:** LICENSE FEE REIMBURSEMENT AGREEMENT WITH CARPINTERIA VALLEY WATER DISTRICT (CVWD) TO COST SHARE FOR ESRI SOFTWARE TO IMPLEMENT A GIS SYSTEM.  
**DATE:** FEBRUARY 18, 2016

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**RECOMMENDATION:**

It is recommended that the Board of Directors enter into a License Fee reimbursement Agreement (Agreement) with the Carpinteria Valley Water District (CVWD) for the purpose of sharing the cost to acquire access to ESRI Software to implement a GIS system. It is further recommended that the President of the Board execute the agreement for said Agreement and the Board authorize staff to proceed with moving forward to implement.

**BACKGROUND AND DISCUSSION:**

Staff was tasked with the development and implementation of a Computerized Maintenance & Management System (CMMS) for the purpose of tracking assets and to aid in future capital improvement planning. After some investigation and site visits, it became clear that an important component of a CMMS is a Geographical Information System (GIS). The GIS provides a solid foundation for the CMMS to operate.

ESRI software is the industry standard for GIS mapping software. The company works with many different entities from commercial & industrial to governmental bodies. To assist utilities in creating a GIS, ESRI has developed their Small Utility Enterprise License Agreement (SUELA). Only water utilities that have less than 10,000 connections are eligible for the SUELA. The SUELA is a three (3) year contract that costs \$10,000 per year, \$30,000 total over the 3 years. It comes with five (5) licenses and includes the software necessary to build a GIS.

The ESRI software is necessary to create a GIS and will have to be acquired regardless before moving forward to pursue the CMMS. By special arrangement, ESRI has allowed Casitas to share the SUELA with CVWD. The result of entering into the Agreement with CVWD is that Casitas will save \$5,000 per year, \$15,000 over 3 years, on software licensing Casitas will have to purchase regardless.

**LICENSE FEE REIMBURSEMENT AGREEMENT  
BETWEEN  
CARPINTERIA VALLEY WATER DISTRICT  
AND  
CASITAS MUNICIPAL WATER DISTRICT  
REGARDING SHARING THE LICENSING FEE AND OTHER RELATED COSTS OF  
ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE SOFTWARE**

**THIS REIMBURSEMENT AGREEMENT** ("Agreement") is made and entered into by and between Carpinteria Valley Water District ("CVWD") and Casitas Municipal Water District ("CMWD") (each individually a "Party" and collectively the "Parties") with reference to the following facts:

**RECITALS**

**WHEREAS**, the Parties developed Geographic Information Systems ("GIS") for purposes of conducting their respective planning and operations; and

**WHEREAS**, the Parties have exhausted the need for the software ARCGIS Server developed by Environmental Systems Research Institute ("ESRI"), but desire to use other ESRI software in order to develop their respective GIS systems further; and

**WHEREAS**, ESRI has developed a Small Utility Enterprise License Agreement ("SU-ELA") for small water utilities that allows the Parties to use any ESRI software; and

**WHEREAS**, the cost to a small water utility to enter into an SU-ELA is ten thousand dollars per year (\$10,000.00/year) with a minimum subscriber commitment of three (3) years; and

**WHEREAS**, ESRI agreed to the following: (i) ESRI will issue CVWD a SU-ELA for a three-year subscription period; (ii) the SU-ELA issued to CVWD will expressly allow CVWD to equally share licensing fees and other costs related to the SU-ELA with CMWD pursuant to a separate license fee reimbursement agreement between CVWD and CMWD ("Reimbursement Agreement"); and, (iii) provided CVWD and CMWD enter into a Reimbursement Agreement, the SU-ELA shall grant both CVWD and CMWD an unlimited license to use ESRI software for the three-year subscription period of the SU-ELA; and

**WHEREAS**, the Parties desires to enter into this Agreement to establish the terms and conditions by which they will share the costs, rights and obligations associated with their joint use of the SE-ULA issued by ESRI to CVWD.

**NOW, THEREFORE**, in consideration of the mutual promises made below, the Parties do agree as follows:

**SECTION 1. Role and Responsibilities of CVWD.**

- A.** Subject to the conditions precedent set forth in Section 4, below, CVWD shall enter into a SU-ELA with ESRI and directly pay ESRI all licensing fees and other costs associated with the SU-ELA (“SU-ELA License Fees”) as may be invoiced by ESRI in accordance with the SU-ELA.
- B.** Upon CVWD’s payment to ESRI of SU-ELA License Fees, CVWD shall separately invoice CMWD and CMWD shall reimburse CVWD fifty percent (50%) of the SU-ELA License Fees paid by CVWD to ESRI.
- C.** CVWD shall include in the written invoice to CMWD a copy of the original invoice issued to CVWD by ESRI showing the total SU-ELI License Fees paid by CVWD to ESRI.

**SECTION 2. Roles and Responsibilities of CMWD.**

- A.** Upon being invoiced fifty percent (50%) of the SU-ELA License Fees as described in Section 1, above, CMWD shall remit payment to CVWD of those invoiced fees.
- B.** CMWD’s payment of SU-ELA License Fees to CVWD as described above shall be made by CMWD within thirty (30) days of receipt of the written invoice issued by CVWD.
- C.** CMWD shall adhere to all applicable provisions set forth in the SU-ELA entered into by CVWD and ESRI governing use of the ESRI software.

**SECTION 3. Effective Date.** This Agreement shall become effective on the date that CVWD and ESRI enter into the SU-ELA which is the subject matter of this Agreement.

**SECTION 4. Term.**

- A.** The term of this Agreement shall run concurrently with the three-year term of the SU-ELA entered into by CVWD and ESRI which is the subject matter of this Agreement.
- B.** The term of this Agreement may be extended by mutual written agreement of the Parties.

**SECTION 5. Termination.** This Agreement shall terminate automatically upon termination of the three-year SU-ELA entered into between CVWD and ESRI which is the subject matter this Agreement.

**SECTION 6. Condition Precedents.** All of the following conditions must be satisfied before this Agreement shall be enforceable and implemented:

- A.** Prior to execution of the SU-ELA which is the subject matter of this Agreement by CVWD and ESRI, CVWD shall provide CMWD with a copy of the SU-ELA for CMWD’s review and approval as to form and substance;
- B.** If CMWD approves the form and substance of the SU-ELA to be executed by CVWD and ESRI, CMWD shall communicate that approval to CVWD in a separate writing to CVWD; and,

C. The SU-ELA which is the subject matter of this Agreement shall expressly provide for the following:

a. CVWD may share licensing fees and other costs related to the SU-ELA with CMWD pursuant to a separate reimbursement agreement between CVWD and CMWD (“Reimbursement Agreement”); and,

b. Upon CVWD and CMWD entering into a Reimbursement Agreement, the SU-ELA shall grant both CVWD and CMWD unrestricted use of ESRI software as defined in the ESRI Small Utility License program for the three-year subscription period of the SU-ELA.

#### **SECTION 7. Liability and Indemnification.**

A. To the fullest extent allowed by law, CVWD shall hold harmless, defend and indemnify CMWD, and its governing members, officers, agents, and employees from and against all liabilities, obligations, claims, damages, losses, actions, judgments, suits, fees, penalties and charges, or other costs and expenses that CMWD may incur or suffer resulting from, arising out of, or in connection with any negligent act or omission or willful misconduct on the part of CVWD, its officers, agents, and employees, in the performance of this Agreement.

B. To the fullest extent allowed by law, CMWD shall hold harmless, defend and indemnify CVWD and its governing members, officers, agents, and employees from and against all liabilities, obligations, claims, damages, losses, actions, judgments, suits, fees, penalties and charges, or other costs and expenses the CVWD incurs or suffers resulting from, arising out of, or in connection with any negligent act or omission or willful misconduct on the part of CVWD, its officers, agents, and employees, in the performance of this Agreement.

C. Promptly following notice of any claim, the indemnified Party shall provide written notice to the indemnifying party of such claim. The indemnifying party shall thereafter defend against such claim. The indemnifying Party shall select counsel of its choice. If, following notice of a claim by the indemnified Party, the indemnifying party fails to promptly defend such claim, the indemnified party may defend the claim as it deems appropriate and with counsel of its choice, including without limitation, settlement of the claim on terms the indemnified Party deems appropriate, and may pursue remedies as may be available to the indemnified Party against the indemnifying Party.

D. The indemnification requirements of this Section 7 shall survive the termination of this Agreement.

**SECTION 8. Default.** A Party shall be in default of this Agreement if it fails to perform any of its obligations under this Agreement at the time performance is due. The defaulting Party shall have ten (10) days from receipt of a written demand to cure such non-performance or to notify the non-defaulting Party of the existence of, and basis for, a good faith dispute. If the default is curable but cannot be cured within the 10-day period for reasons beyond the control of the defaulting Party, and the defaulting Party is diligently pursuing reasonable efforts to cure such

default, the cure period shall be extended as reasonably necessary to permit performance.

**SECTION 9. Liability for Contracts with Vendors and Third Parties.** Each Party is responsible for negotiating, executing, administrating and enforcing any contract with Vendors or third-parties related to or arising from this Agreement or the SU-ELA which is the subject matter of this Agreement. Any agreements ultimately entered into by a Party to this Agreement with Vendors and Third-Parties shall not be cross-defaulted or cross-collateralized in any respect with this Agreement or the SU-ELA which is the subject matter of this Agreement, even where the agreement is related to or arises from this Agreement or the SU-ELA.

**SECTION 10. No Waiver.** Any failure or delay on the part of either Party to exercise any right under this Agreement shall not constitute a waiver of the right, and shall not preclude such Party from exercising or enforcing the right, or any other provision of this Agreement, on any subsequent occasion.

**SECTION 11. General Provisions.**

**A.** This Agreement is governed by, interpreted under, and construed and enforced in accordance with the laws of the State of California. In the event that suit shall be brought by either Party to this Agreement, the Parties agree that venue shall be exclusively vested in the State's courts of the County of Santa Barbara.

**B.** If any provision of this Agreement shall be determined by a court to be invalid, illegal, or unenforceable to any extent, the remainder of this Agreement shall not be affected and this Agreement shall be construed as if the invalid, illegal, or unenforceable provision had never been contained in this Agreement.

**C.** This Agreement may be signed in counterparts.

**D.** This Agreement represents the entire agreement of the Parties relative to the subject matter of the Agreement.

**E.** The Parties agree at all times to cooperate and to conduct their relationship to one another in good faith.

**F.** Unless otherwise expressly agreed by the Parties, all fees and expenses incurred in connection with or related to this Agreement and the transactions contemplated hereby shall be paid by the Party incurring such expenses whether or not such transactions are consummated.

**G.** In any legal dispute arising out of this Agreement, the prevailing Party shall be paid in full by the losing party for attorney's fees and costs, including expert witness fees and costs, expended in connection with such an action.

**H.** All notices, demands, requests and other communications required or permitted by or provided for in this Agreement shall be given in writing to the Parties at their respective addresses

set forth below, or at such address as a Party shall designate for itself in writing. Communications may be transmitted: (i) by personal delivery, (ii) by messenger, express, air courier or similar courier service, or (iii) by facsimile. Delivery or service of any communication shall be deemed effective upon receipt. The date of receipt shall be the date shown as the date of delivery in the written proof of delivery by personal, express mail or courier service, or the electronic confirmation sheet for a facsimile. Any communication received after 5:00 p.m. local time, or on a day other than a business day, shall be deemed received on the next business day.

To CVWD: 1301 Santa Ynez Blvd.  
Carpinteria, CA 93013

To CMWD: 1055 Ventura Ave.  
Oak View, CA 93022

**IN WITNESS WHEREOF**, this Agreement has been executed by the Parties hereto.

Dated: CARPINTERIA VALLEY WATER DISTRICT  
By: \_\_\_\_\_

Dated: CASITAS MUNICIPAL WATER DISTRICT  
By: \_\_\_\_\_



# CASITAS MUNICIPAL WATER DISTRICT

## HYDROLOGY REPORT WATER YEAR 2014 - 2015

February 19, 2015

Prepared by  
Jordan Switzer – Fisheries Technician

### Introduction

Casitas Municipal Water District (CMWD), in cooperation with the Ventura County Watershed Protection District (VCWPD) and the U.S. Geological Service (USGS), collects hydrology data on the Ventura River system. The hydrology data constitutes a valuable asset for developing an understanding of the water resources of the Ventura River system. Since 1981, the CMWD has summarized the data into a series of annual and tri-annual reports. This is an annual report that presents information and data for the 2014 – 2015 Water Year.

### Water Year 2014 – 2015 Summarized

The water year is a standard used for reporting hydrological cycles. It begins on October 01 of the preceding year and ends September 30 of the named water year. For this report, the 2015 Water Year began on October 01, 2014, and ended September 30, 2015.

There are four key elements of collected data that go into this report: 1) rainfall, 2) streamflow conditions, 3) lake storage & delivery and 4) ambient air temperatures. Each of these elements are monitored and recorded by CMWD on a daily basis. The following are brief summaries of the hydrologic characteristics of the 2015 Water Year.

- **Rainfall** – Rainfall and evaporation data are collected on a daily basis at two stations, one at the Casitas Dam and one at the Lake Casitas Recreational Area. The methods for data collection are standardized for consistency. Rainfall data for Matilija Dam are obtained from VCWPD.

The average of the three rainfall stations was 13.09 inches for the 2015 Water Year. This fell below the combined average of 24.96 inches for the fourth consecutive year. Casitas Dam received 11.65 inches while Matilija Dam received 17.57 inches. The rainfall deficit accumulated in the last four years (50.21 inches) is equal to approximately two years' worth of average precipitation.

Approximately half of the total rainfall for the 2015 Water Year occurred in the month of December. The largest one-day total fell on December 12, 2014 at Casitas Dam and December 03, 2014 at Matilija dam with 2.02 and 3.51 inches respectively. Anomalous rainfall occurred in July when remnants from Hurricane Delores brought tropical moisture into the area on July 19<sup>th</sup> and 20<sup>th</sup> of 2015. Monthly rainfall records for July were broken for all three stations, with Matilija Dam receiving the greatest amount of 2.16 inches.

- **Streamflow Conditions**– Streamflow conditions are assessed by collecting data at key points in the Ventura River system. Gage station locations can be found on the Hydrology Map for the Ventura River System. Due to the ongoing drought, streamflow conditions were below average across the basin.

Preliminary data provided by VCWPD indicate discharge from North Fork Matilija Creek totaled 520 acre-feet (AF) for the water year. Discharge from Matilija Dam measured at the Matilija Hot Springs gage, totaled 2,026 AF with a peak flow of 99 cfs on December 12, 2014.

Surface flow reached the measurement weir of the Robles Fish Passage and Diversion Facility (Robles) in early December and continued until March 10, 2015; it remained dry until the end of the water year. Over that period, 662 AF were released downstream and 62 AF (9%) were diverted to Lake Casitas. Inflow peaked on December 12, 2014 at 99 cfs and the diversion canal was operated for a total of two days during the 2015 Water Year. There were no storm events that met the Biological Opinion's parameters to initiate supplemental downstream releases for fish passage.

Coyote Creek and Santa Ana Creek drainages contribute directly to Lake Casitas storage. A total of 13 AF were measured flowing at the Santa Ana Creek gage while 264 AF were estimated at the Coyote Creek gage for the 2015 Water Year. The Coyote Creek station experienced reading errors from bio-fouling and deposition of silt and organics at the gaging site. Due to the location of the station, the problem was not diagnosed and resolved until February 11, 2015. Streamflow was estimated during this period.

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

Lake Casitas Reservoir had a net decrease in water storage for the 2015 Water Year. Lake elevation was 515.12 feet MSL to start the water year and ended at 502.80 feet MSL. December was the only month with a net gain in storage (53 AF). The reservoir's 12-foot drop in elevation resulted in a net loss of 21,341 AF. Water deliveries from the reservoir to the main conveyance system totaled 15,911 AF for the water year, down 21% from 2014. The Mira Monte well supplied another 69 AF. Storage in Lake Casitas at the end of the 2015 calendar year marked the fifth consecutive year of net loss (Figure 1) and is the lowest observed since 1966.

Casitas Municipal Water District did not conduct any controlled releases from Matilija Dam nor operate any valves at the dam. All flow was allowed to spill over the dam for the entire water year.

- **Ambient Air Temperatures** – Data was recorded by CMWD staff 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 and wind speed. Several temperature records dating back to 1960 were tied or broken during the 2015 calendar year: highest annual average (Casitas Dam and Recreation), monthly maximum (February and March for Casitas Dam; October for Recreation), and highest monthly average (March and October for Casitas Dam; January, March, April, August, September and July for Recreation).

### **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 Gaging 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.

Streamflow Gauging Stations:

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

## Historical Hydrology Period – Water Years 1959 through 2015

The historical data has been updated for the reporting period and is presented for the period from 1959 through 2015. The historical data includes summaries for the Casitas Reservoir operation, Robles Diversion, rainfall, and ambient air temperature.

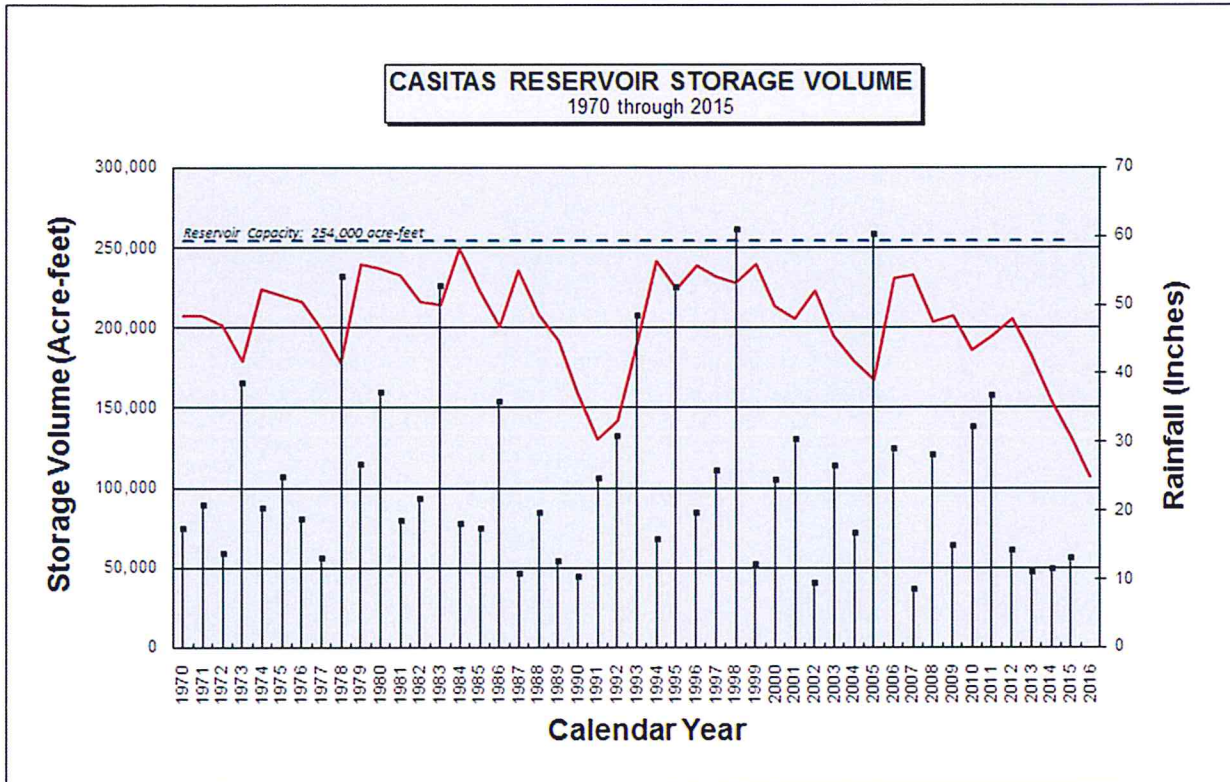


Figure 1. Storage volume, represented by a solid line, is reservoir storage at the start of each calendar year (elevation measured on last day of previous calendar year). Rainfall, represented by data points with drop lines, is the cumulative water year average for Casitas Dam, Casitas Recreation and Matilija Dam rain gages. Reservoir volume prior to 1970 (not shown) represents initial filling period after Casitas Dam completion in 1959.

## Trends

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

**Ten-Year Moving Average of Mean Precipitation.** The trend presented here is a ten-year moving average of precipitation from 1880 to present (Figure 2). It is created by calculating an average of a water year's three-station average rainfall combined with the previous nine years. The trend has resulted in what appears to be a somewhat sinusoidal curve, illustrating reoccurring periods of wet and dry conditions. From the curve, we may gain an insight on whether we are heading into a wet period or a drought.

The trend indicates that CMWD may be in an overall dry period as illustrated by the downward direction of the trend line. The sharp drop in 2015 is from the anomalously wet 2005 water year (244 % of average) falling from the progressive mean calculation. Previous downward trends have lasted between 4 and 17 years; the current trend has lasted 14 years. This trend does not guarantee or predict future occurrences.

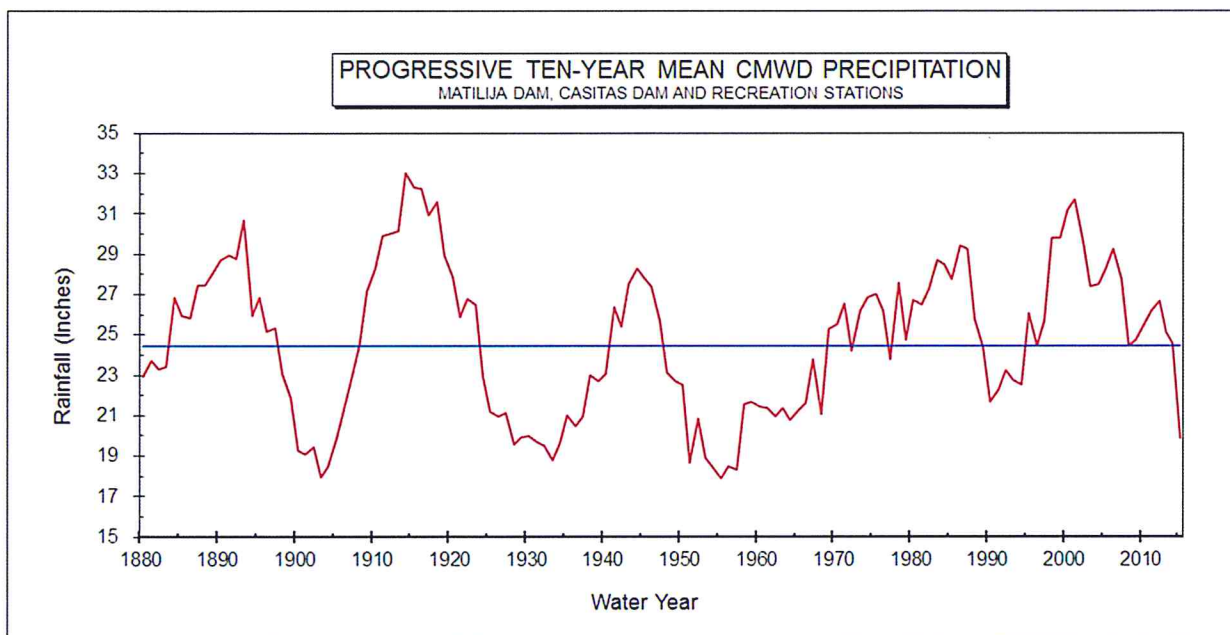
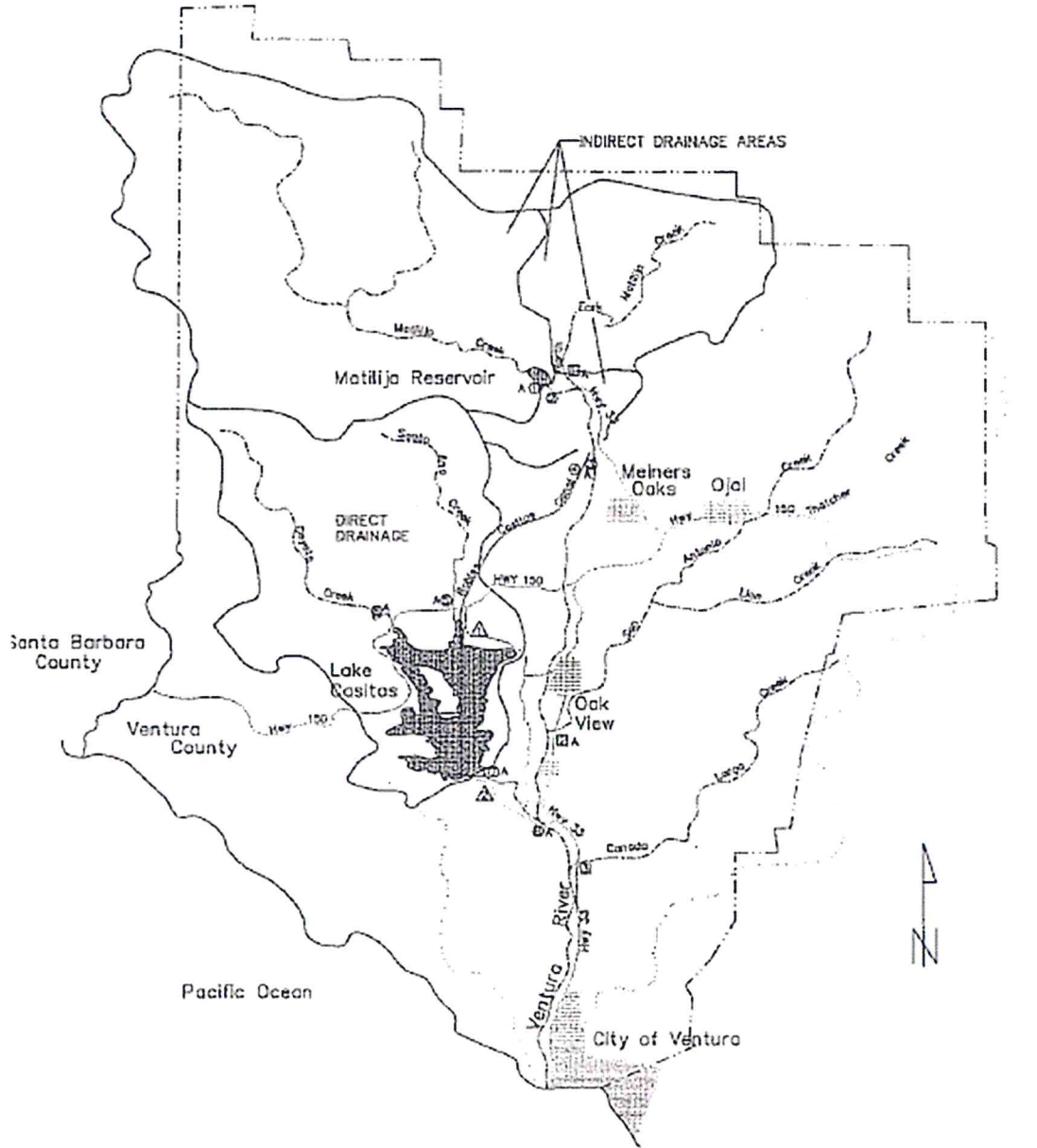


Figure 2. The ten-year moving average is represented by the solid line traversing across the overall average for the period (24.4 inches). Rainfall data for all three stations are available since 1959, rainfall prior to 1959 was assembled using comparable nearby stations and/or correlation factors with other available stations within the watershed.

# HYDROLOGY MAP – VENTURA RIVER SYSTEM



## DRAINAGE AREAS

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

Figure 3. Hydrology map of Ventura River Watershed indicating drainages boundaries, stream gaging stations, and weather stations.

# **ANNUAL HYDROLOGY DATA**

## **Casitas Reservoir Water Inventory Summary**

## **Mira Monte Well Water Production**

## **Reservoir Water Surface Elevations:**

- Matilija Dam
- Casitas Dam (listed in Monthly Casitas Reservoir Inventory)

## **Rainfall Stations:**

- Matilija Dam
- Lake Casitas (upper) Recreation Area
- Casitas Dam

## **Streamflow Gaging Stations:**

- Matilija Creek at Matilija Hot Springs
- North Fork Matilija Creek at Matilija Hot Springs
- Ventura River near Meiners Oaks (Robles measurement weir)
- 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  
2014 - 2015 WATER YEAR

(All volumes in acre-feet)

MONTH	RESERVOIR (last of previous month)		RESERVOIR INFLOW				RESERVOIR RELEASES				CHANGE IN STORAGE
	ELEVATION (ft)	STORAGE	DIRECT	VENTURA RIVER DIVERSIONS	TOTAL	PRECIP	EVAP	TO MAIN SYSTEM	SPILL		
OCT 2014	515.12	135769	-132	0	-132	0	594	1866	0	0	-2591
NOV 2014	513.69	133178	-314	0	-314	168	330	1155	0	0	-1632
DEC 2014	512.78	131546	-260	62	-197	813	154	408	0	0	53
JAN 2015	512.81	131600	-110	0	-110	264	189	605	0	0	-640
FEB 2015	512.45	130960	55	0	55	117	286	793	0	0	-907
MAR 2015	511.94	130053	149	0	149	52	517	1373	0	0	-1689
APR 2015	510.98	128364	21	0	21	42	684	1426	0	0	-2047
MAY 2015	509.81	126317	-57	0	-57	40	631	1461	0	0	-2108
JUN 2015	508.60	124209	81	0	81	24	757	1508	0	0	-2160
JUL 2015	507.35	122050	-86	0	-86	49	709	1571	0	0	-2317
AUG 2015	505.99	119732	-129	0	-129	0	730	1889	0	0	-2748
SEP 2015	504.35	116985	-132	0	-132	37	604	1857	0	0	-2557
OCT 2015	502.80	114428	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>TOTAL</b>			-913	62	-850	1606	6186	15911	0	0	-21341

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

H:\Casitas Dam\Annual\CasitasReservoir2015.xls

CASITAS RESERVOIR OPERATION  
OCTOBER 2014

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW		EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE	
	Elevation	Sep 30 <sup>th</sup> Surface Storage (acres)	Direct	Ventura River Diversion	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	Main System	To River		Spill
1	515.06	135658	-15	0	-15	0.20	0.12	18	0	0	0	79	0	0	-111
2	515.00	135549	-1	0	-1	0.15	0.35	29	0	0	0	79	0	0	-109
3	514.95	135459	34	0	34	0.29	0.31	34	0	0	0	90	0	0	-90
4	514.88	135332	-25	0	-25	0.21	0.29	28	0	0	0	74	0	0	-127
5	514.82	135222	-11	0	-11	0.54	0.25	45	0	0	0	54	0	0	-109
6	514.78	135149	15	0	15	0.10	0.31	23	0	0	0	65	0	0	-74
7	514.73	135058	7	0	7	0.12	0.21	19	0	0	0	79	0	0	-91
8	514.67	134950	-12	0	-12	0.20	0.25	26	0	0	0	71	0	0	-109
9	514.61	134841	-16	0	-16	0.20	0.14	19	0	0	0	73	0	0	-109
10	514.56	134751	-10	0	-10	0.23	0.18	23	0	0	0	57	0	0	-90
11	514.53	134697	17	0	17	0.15	0.21	20	0	0	0	51	0	0	-65
12	514.49	134624	-16	0	-16	0.19	0.12	18	0	0	0	40	0	0	-73
13	514.45	134551	-16	0	-16	0.04	0.16	11	0	0	0	45	0	0	-73
14	514.42	134496	40	0	40	0.24	0.15	22	0	0	0	73	0	0	-55
15	514.38	134423	-5	0	-5	0.08	0.09	10	0	0	0	59	0	0	-74
16	514.33	134332	-10	0	-10	0.11	0.27	21	0	0	0	59	0	0	-91
17	514.29	134260	8	0	8	0.21	0.14	20	0	0	0	61	0	0	-72
18	514.24	134169	-21	0	-21	0.14	0.12	15	0	0	0	55	0	0	-91
19	514.20	134097	-18	0	-18	0.15	0.12	15	0	0	0	39	0	0	-72
20	514.17	134043	5	0	5	0.06	0.13	11	0	0	0	48	0	0	-54
21	514.13	133971	-6	0	-6	0.10	0.04	8	0	0	0	59	0	0	-73
22	514.09	133896	2	0	2	0.10	0.24	19	0	0	0	57	0	0	-75
23	514.04	133806	-16	0	-16	0.03	0.17	11	0	0	0	63	0	0	-90
24	513.99	133715	-18	0	-18	0.10	0.14	14	0	0	0	59	0	0	-91
25	513.94	133626	-27	0	-27	0.16	0.05	12	0	0	0	51	0	0	-90
26	513.91	133572	11	0	11	0.18	0.26	25	0	0	0	40	0	0	-54
27	513.87	133501	-2	0	-2	0.05	0.17	12	0	0	0	57	0	0	-71
28	513.82	133411	-15	0	-15	0.09	0.09	10	0	0	0	65	0	0	-90
29	513.77	133320	-11	0	-11	0.10	0.21	17	0	0	0	62	0	0	-91
30	513.73	133249	10	0	10	0.19	0.21	22	0	0	0	59	0	0	-72
31	513.69	133178	-11	0	-11	0.18	0.09	15	0	0	0	45	0	0	-71
TOTAL			-132	0	-132	4.89	5.59	594	0.00	0.00	0	1866	0	0	-2591

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

CASITAS RESERVOIR OPERATION  
NOVEMBER 2014

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW		EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE	
	Elevation	Surface Area 133178 (acres)	Direct	Ventura River Diversion	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	at Dam (in)	at Rec (in)	Lake Total	To Main System	To River		Spill
1	513.74	133267	1799	0	-49	0.00	0.00	0	1.16	0.90	154	16	0	0	89
2	513.70	133195	1799	0	-22	0.16	0.23	21	0.04	0	3	31	0	0	-72
3	513.68	133160	1798	0	4	0.05	0.13	10	0	0	0	29	0	0	-35
4	513.65	133106	1798	0	-13	0.04	0.22	14	0	0	0	27	0	0	-54
5	513.62	133052	1798	0	3	0.14	0.20	18	0	0	0	39	0	0	-54
6	513.59	132998	1796	0	-12	0.09	0.13	12	0	0	0	30	0	0	-54
7	513.55	132926	1796	0	-9	0.12	0.20	17	0	0	0	46	0	0	-72
8	513.52	132872	1796	0	3	0.13	0.20	18	0	0	0	39	0	0	-54
9	513.48	132799	1794	0	-24	0.12	0.18	16	0	0	0	33	0	0	-73
10	513.46	132763	1794	0	13	0.07	0.10	9	0	0	0	40	0	0	-36
11	513.43	132710	1794	0	2	0.06	0.11	9	0	0	0	47	0	0	-54
12	513.38	132621	1793	0	-40	0.07	0.05	6	0	0	0	42	0	0	-89
13	513.35	132567	1793	0	8	0.12	0.13	13	0	0	0	48	0	0	-54
14	513.31	132495	1793	0	-30	0.00	0.00	0	0.07	0.04	8	50	0	0	-72
15	513.28	132440	1791	0	-13	0.10	0.02	6	0.01	0	1	36	0	0	-55
16	513.27	132422	1791	0	10	0.05	0.05	5	0	0	0	23	0	0	-18
17	513.23	132351	1791	0	-22	0.04	0.06	5	0	0	0	44	0	0	-72
18	513.21	132315	1791	0	14	0.06	0.06	6	0	0	0	43	0	0	-36
19	513.16	132226	1790	0	-22	0.12	0.18	16	0	0	0	50	0	0	-89
20	513.12	132154	1790	0	-16	0.07	0.14	11	0	0	0	45	0	0	-72
21	513.09	132098	1788	0	-4	0.03	0.12	8	0	0	0	44	0	0	-56
22	513.05	132027	1788	0	-31	0.08	0.03	6	0	0.02	1	36	0	0	-71
23	513.02	131974	1788	0	-15	0.11	0.08	10	0	0	0	28	0	0	-53
24	512.99	131920	1786	0	1	0.08	0.09	9	0	0	0	46	0	0	-53
25	512.93	131813	1786	0	-31	0.10	0.27	20	0	0	0	56	0	0	-107
26	512.90	131760	1786	0	15	0.10	0.17	14	0	0	0	54	0	0	-53
27	512.86	131689	1784	0	-18	0.09	0.21	16	0	0	0	37	0	0	-71
28	512.83	131635	1784	0	1	0.08	0.18	14	0	0	0	41	0	0	-53
29	512.80	131582	1784	0	-10	0.10	0.09	10	0	0	0	33	0	0	-53
30	512.78	131546	1782	0	-6	0.03	0.10	7	0	0	0	22	0	0	-36
TOTAL					-314	2.41	3.73	330	1.28	0.96	168	1155	0	0	-1632

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=0.82, Oct=0.75, Nov=0.72, Dec=0.66

CASITAS RESERVOIR OPERATION  
DECEMBER 2014

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW		EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE	
	Elevation	Nov 30 <sup>th</sup> Surface Storage (acres)	Direct	Ventura River Diversion	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	Main System	To River		Spill
1	512.76	131511	1782	0	-25	0.00	0.00	0	0.04	0.05	7	17	0	0	-36
2	512.78	131546	1782	0	28	0.00	0.00	0	0.18	0.15	25	16	0	0	36
3	512.90	131760	1786	0	-66	0.00	0.00	0	1.97	2.00	295	16	0	0	214
4	512.92	131796	1786	0	19	0.00	0.00	0	0.23	0.25	36	20	0	0	36
5	512.90	131760	1786	0	-15	0.07	0.00	3	0.01	0	1	18	0	0	-36
6	512.89	131742	1784	0	9	0.02	0.23	12	0	0	0	14	0	0	-18
7	512.87	131707	1784	0	-9	0.02	0.08	5	0	0	0	22	0	0	-36
8	512.85	131671	1784	0	-20	0.04	0.03	3	0	0	0	12	0	0	-36
9	512.83	131635	1784	0	-13	0.07	0.19	13	0	0	0	10	0	0	-36
10	512.83	131635	1784	0	18	0.04	0.16	10	0	0	0	8	0	0	0
11	512.82	131618	1784	0	0	0.04	0.22	13	0	0	0	5	0	0	-18
12	512.99	131920	1786	52	-45	0.00	0.00	0	2.13	2.02	309	13	0	0	303
13	513.02	131974	1788	10	35	0.12	0.00	6	0.10	0.31	31	16	0	0	53
14	513.02	131974	1788	0	17	0.01	0.08	4	0	0	0	13	0	0	0
15	512.98	131902	1786	0	-52	0.06	0.00	3	0	0	0	16	0	0	-71
16	512.99	131920	1786	0	4	0.00	0.00	0	0.22	0.11	25	11	0	0	18
17	513.01	131956	1788	0	-32	0.00	0.00	0	0.57	0.45	76	9	0	0	36
18	513.01	131956	1788	0	10	0.00	0.00	0	0.03	0	2	12	0	0	0
19	513.00	131938	1788	0	-4	0.10	0.00	5	0.01	0	1	9	0	0	-18
20	512.99	131920	1786	0	-8	0.05	0.00	2	0.01	0	1	8	0	0	-18
21	512.97	131885	1786	0	-28	0.00	0.00	0	0.01	0	1	9	0	0	-36
22	512.96	131867	1786	0	-4	0.11	0.00	5	0	0	0	8	0	0	-18
23	512.95	131849	1786	0	-4	0.05	0.00	2	0	0	0	11	0	0	-18
24	512.93	131813	1786	0	-11	0.04	0.29	16	0	0	0	9	0	0	-36
25	512.91	131778	1786	0	-20	0.05	0.10	7	0	0	0	8	0	0	-36
26	512.89	131742	1784	0	-12	0.15	0.15	15	0	0	0	9	0	0	-36
27	512.89	131742	1784	0	20	0.02	0.15	8	0	0	0	12	0	0	0
28	512.87	131707	1784	0	-15	0.06	0.12	9	0	0	0	11	0	0	-36
29	512.85	131671	1784	0	-15	0.01	0.06	3	0	0	0	17	0	0	-36
30	512.84	131653	1784	0	15	0.01	0.07	4	0	0	0	28	0	0	-18
31	512.81	131600	1784	0	-35	0.06	0.00	3	0	0.07	5	20	0	0	-53
TOTAL				62	-260	1.20	1.93	154	5.51	5.41	813	408	0	0	53

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

CASITAS RESERVOIR OPERATION  
JANUARY 2015

\*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 Diversion	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	Main System	To River		Spill	
1	512.79	131564	1782	5	0	5	0.08	0.00	4	0	0	0	37	0	0	-36
2	512.75	131493	1782	-36	0	-36	0.06	0.05	5	0	0	0	30	0	0	-71
3	512.73	131457	1782	-10	0	-10	0.04	0.10	7	0	0	0	19	0	0	-36
4	512.71	131422	1782	-16	0	-16	0.07	0.12	9	0	0	0	11	0	0	-36
5	512.70	131404	1782	4	0	4	0.00	0.10	5	0	0	0	17	0	0	-18
6	512.68	131368	1780	2	0	2	0.04	0.10	7	0	0	0	31	0	0	-36
7	512.66	131332	1780	5	0	5	0.03	0.17	10	0	0	0	31	0	0	-35
8	512.64	131297	1780	-2	0	-2	0.08	0.08	8	0	0	0	25	0	0	-35
9	512.62	131261	1780	-8	0	-8	0.03	0.03	3	0	0	0	24	0	0	-35
10	512.61	131244	1780	5	0	5	0.02	0.02	2	0	0	0	21	0	0	-18
11	512.71	131422	1782	-21	0	-21	0.00	0.00	0	1.47	1.30	206	7	0	0	178
12	512.70	131404	1782	-48	0	-48	0.00	0.00	0	0.50	0.04	40	10	0	0	-18
13	512.69	131385	1780	0	0	0	0.06	0.06	6	0	0	0	13	0	0	-19
14	512.70	131404	1782	38	0	38	0.08	0.08	8	0	0	0	12	0	0	19
15	512.68	131368	1780	-19	0	-19	0.05	0.05	5	0	0	0	13	0	0	-36
16	512.66	131332	1780	-20	0	-20	0.03	0.03	3	0	0	0	12	0	0	-35
17	512.66	131332	1780	16	0	16	0.06	0.07	6	0	0	0	10	0	0	0
18	512.65	131315	1780	-2	0	-2	0.06	0.08	7	0	0	0	9	0	0	-18
19	512.64	131297	1780	6	0	6	0.04	0.09	6	0	0	0	18	0	0	-18
20	512.63	131279	1780	10	0	10	0.02	0.10	6	0	0	0	22	0	0	-18
21	512.60	131226	1780	-31	0	-31	0.04	0.09	6	0.02	0	1	17	0	0	-53
22	512.59	131209	1778	12	0	12	0.05	0.11	8	0	0	0	21	0	0	-17
23	512.58	131191	1778	5	0	5	0.04	0.15	9	0	0	0	14	0	0	-18
24	512.56	131156	1778	-4	0	-4	0.07	0.15	11	0	0	0	21	0	0	-36
25	512.55	131138	1778	15	0	15	0.13	0.09	11	0	0	0	22	0	0	-18
26	512.53	131102	1778	-3	0	-3	0.13	0.12	12	0	0	0	21	0	0	-36
27	512.53	131102	1778	4	0	4	0.00	0.00	0	0.12	0.10	16	21	0	0	0
28	512.50	131049	1778	-24	0	-24	0.07	0.00	3	0.01	0	1	26	0	0	-53
29	512.49	131031	1776	14	0	14	0.04	0.14	9	0	0	0	24	0	0	-18
30	512.47	130996	1776	-3	0	-3	0.06	0.10	8	0	0	0	25	0	0	-36
31	512.45	130960	1776	-6	0	-6	0.06	0.10	8	0	0	0	22	0	0	-36
TOTAL				-110	0	-110	1.54	2.38	189	2.12	1.44	264	605	0	0	-640

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

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  
FEBRUARY 2015

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW		EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE		
	Elevation	Storage (acres)	Direct	Ventura River Diversion	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	To Main System	To River		Spill	
1	512.44	130942	1776	9	0	9	0.05	0.08	7	0	0	0	20	0	0	-18
2	512.43	130924	1776	26	0	26	0.06	0.11	10	0	0	0	34	0	0	-18
3	512.40	130871	1776	-6	0	-6	0.07	0.18	14	0	0	0	33	0	0	-53
4	512.38	130835	1774	10	0	10	0.03	0.10	7	0.01	0	1	38	0	0	-36
5	512.37	130818	1774	28	0	28	0.05	0.12	10	0	0	0	37	0	0	-18
6	512.34	130764	1774	-13	0	-13	0.06	0.10	9	0	0	0	31	0	0	-53
7	512.30	130693	1774	-46	0	-46	0.07	0.11	10	0	0	0	15	0	0	-71
8	512.35	130782	1774	19	0	19	0.00	0.00	0	0.56	0.60	86	16	0	0	89
9	512.34	130764	1774	19	0	19	0.10	0.14	14	0	0	0	23	0	0	-18
10	512.33	130746	1774	14	0	14	0.04	0.11	9	0	0	0	24	0	0	-18
11	512.31	130711	1774	0	0	0	0.10	0.16	15	0	0	0	21	0	0	-36
12	512.29	130675	1772	1	0	1	0.08	0.10	10	0	0	0	26	0	0	-36
13	512.27	130640	1772	-2	0	-2	0.10	0.08	10	0	0	0	23	0	0	-36
14	512.26	130622	1772	26	0	26	0.11	0.15	15	0	0	0	29	0	0	-18
15	512.22	130551	1772	-32	0	-32	0.04	0.16	11	0	0	0	27	0	0	-71
16	512.21	130533	1772	42	0	42	0.23	0.12	20	0	0	0	40	0	0	-18
17	512.19	130497	1770	26	0	26	0.08	0.15	13	0	0	0	48	0	0	-36
18	512.15	130426	1770	-20	0	-20	0.05	0.08	7	0	0	0	44	0	0	-71
19	512.13	130390	1770	17	0	17	0.08	0.09	10	0	0	0	43	0	0	-36
20	512.10	130337	1770	-7	0	-7	0.05	0.11	9	0	0	0	38	0	0	-53
21	512.07	130282	1768	-25	0	-25	0.08	0.08	9	0	0	0	21	0	0	-55
22	512.06	130265	1768	2	0	2	0.07	0.04	6	0.03	0.03	4	18	0	0	-18
23	512.05	130247	1768	-24	0	-24	0.00	0.00	0	0.17	0.19	27	21	0	0	-18
24	512.02	130194	1768	-20	0	-20	0.04	0.07	6	0	0	0	27	0	0	-53
25	512.00	130159	1768	8	0	8	0.13	0.21	19	0	0	0	24	0	0	-35
26	511.98	130124	1767	0	0	0	0.09	0.11	11	0	0	0	24	0	0	-35
27	511.96	130089	1767	3	0	3	0.09	0.12	12	0	0	0	26	0	0	-35
28	511.94	130053	1767	-2	0	-2	0.13	0.08	12	0	0	0	21	0	0	-35
TOTAL				55	0	55	2.08	2.96	286	0.77	0.82	117	793	0	0	-907

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

CASITAS RESERVOIR OPERATION  
MARCH 2015

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW		EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE	
	Elevation	Feb 28 <sup>th</sup> Surface Storage (acres)	Direct	Ventura River Diversion	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	Main System	To River		Spill
1	511.94	130053	-1	0	-1	0.00	0.00	0	0.21	0.16	27	26	0	0	0
2	511.92	130018	-13	0	-13	0.11	0.00	6	0.02	0.02	3	19	0	0	-35
3	511.90	129983	4	0	4	0.07	0.24	17	0	0	0	22	0	0	-35
4	511.88	129948	-6	0	-6	0.10	0.12	12	0	0	0	17	0	0	-35
5	511.86	129913	-3	0	-3	0.06	0.10	9	0	0	0	23	0	0	-35
6	511.84	129877	20	0	20	0.10	0.26	20	0	0	0	35	0	0	-35
7	511.80	129807	-17	0	-17	0.20	0.21	23	0	0	0	31	0	0	-70
8	511.78	129772	13	0	13	0.16	0.20	20	0	0	0	28	0	0	-35
9	511.75	129719	8	0	8	0.14	0.17	17	0	0	0	44	0	0	-53
10	511.73	129684	24	0	24	0.11	0.13	13	0	0	0	46	0	0	-35
11	511.69	129613	-10	0	-10	0.09	0.15	13	0	0	0	47	0	0	-70
12	511.67	129578	21	0	21	0.10	0.03	7	0	0	0	49	0	0	-35
13	511.63	129508	2	0	2	0.10	0.18	16	0	0	0	57	0	0	-70
14	511.60	129455	26	0	26	0.27	0.20	26	0	0	0	53	0	0	-53
15	511.56	129385	-12	0	-12	0.19	0.32	28	0	0	0	30	0	0	-70
16	511.54	129349	32	0	32	0.17	0.10	15	0	0	0	52	0	0	-35
17	511.50	129279	8	0	8	0.17	0.09	15	0	0	0	64	0	0	-70
18	511.46	129209	2	0	2	0.19	0.10	16	0	0	0	56	0	0	-70
19	511.44	129173	-4	0	-4	0.00	0.07	4	0.23	0.07	22	49	0	0	-35
20	511.41	129121	13	0	13	0.10	0.08	10	0	0	0	56	0	0	-53
21	511.36	129033	-25	0	-25	0.20	0.06	14	0	0	0	49	0	0	-88
22	511.33	128980	-10	0	-10	0.14	0.07	12	0	0	0	31	0	0	-53
23	511.31	128945	27	0	27	0.06	0.08	8	0	0	0	54	0	0	-35
24	511.27	128874	10	0	10	0.17	0.26	24	0	0	0	56	0	0	-71
25	511.23	128804	16	0	16	0.27	0.32	33	0	0	0	53	0	0	-70
26	511.18	128716	-6	0	-6	0.16	0.21	21	0	0	0	62	0	0	-88
27	511.14	128645	15	0	15	0.21	0.21	23	0	0	0	63	0	0	-70
28	511.09	128557	-18	0	-18	0.20	0.30	28	0	0	0	43	0	0	-89
29	511.06	128504	19	0	19	0.28	0.31	33	0	0	0	38	0	0	-53
30	511.03	128452	28	0	28	0.15	0.20	19	0	0	0	61	0	0	-53
31	510.98	128364	-15	0	-15	0.14	0.10	13	0	0	0	59	0	0	-88
TOTAL			149	0	149	4.41	4.87	517	0.46	0.25	52	1373	0	0	-1689

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

ESTIMATED

CASITAS RESERVOIR OPERATION  
APRIL 2015

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW		EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE			
	Elevation	Mar 31 <sup>st</sup> Surface Area Storage (acres)	Direct	Ventura River Diversion	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	To Main System	Spill		River		
1	510.92	128259	1754	-19	0	-19	0.17	0.24	24	0	0	0	0	62	0	0	-105
2	510.88	128189	1754	13	0	13	0.19	0.16	20	0	0	0	0	63	0	0	-70
3	510.85	128137	1754	24	0	24	0.19	0.34	31	0	0	0	0	46	0	0	-53
4	510.80	128049	1754	-13	0	-13	0.27	0.20	27	0	0	0	0	47	0	0	-88
5	510.76	127979	1753	-8	0	-8	0.29	0.20	29	0	0	0	0	33	0	0	-70
6	510.72	127909	1753	-15	0	-15	0.19	0.15	20	0	0	0	0	36	0	0	-70
7	510.69	127857	1752	9	0	9	0.18	0.28	27	0	0	0	0	35	0	0	-53
8	510.69	127857	1752	10	0	10	0.00	0.00	0	0.27	0.10	27	0	37	0	0	0
9	510.65	127787	1752	-22	0	-22	0.16	0.16	19	0	0	0	0	30	0	0	-70
10	510.61	127717	1752	0	0	0	0.16	0.19	20	0	0	0	0	50	0	0	-70
11	510.58	127664	1752	5	0	5	0.20	0.14	20	0	0	0	0	38	0	0	-53
12	510.55	127612	1752	-2	0	-2	0.17	0.16	19	0	0	0	0	31	0	0	-53
13	510.51	127542	1752	7	0	7	0.12	0.18	18	0	0	0	0	59	0	0	-70
14	510.47	127472	1751	17	0	17	0.22	0.22	26	0	0	0	0	62	0	0	-70
15	510.43	127402	1751	20	0	20	0.23	0.22	26	0	0	0	0	64	0	0	-70
16	510.36	127279	1750	-23	0	-23	0.23	0.30	31	0	0	0	0	68	0	0	-123
17	510.31	127192	1750	2	0	2	0.25	0.22	27	0	0	0	0	63	0	0	-88
18	510.26	127104	1749	0	0	0	0.27	0.29	33	0	0	0	0	55	0	0	-88
19	510.24	127069	1749	24	0	24	0.17	0.28	26	0	0	0	0	33	0	0	-35
20	510.21	127017	1749	15	0	15	0.07	0.22	17	0	0	0	0	50	0	0	-52
21	510.16	126929	1749	-5	0	-5	0.29	0.24	31	0	0	0	0	52	0	0	-88
22	510.11	126842	1749	-64	0	-64	0.15	0.08	13	0	0	0	0	10	0	0	-88
23	510.09	126807	1748	24	0	24	0.12	0.11	13	0	0	0	0	45	0	0	-35
24	510.06	126754	1748	-26	0	-26	0.01	0.00	1	0.10	0.10	15	0	41	0	0	-53
25	510.03	126702	1748	-12	0	-12	0.12	0.21	19	0	0	0	0	21	0	0	-53
26	510.02	126684	1748	32	0	32	0.16	0.15	18	0.01	0	1	0	32	0	0	-18
27	509.97	126596	1747	-2	0	-2	0.20	0.23	25	0	0	0	0	61	0	0	-88
28	509.91	126491	1747	5	0	5	0.24	0.26	29	0	0	0	0	81	0	0	-104
29	509.86	126404	1747	18	0	18	0.35	0.34	40	0	0	0	0	65	0	0	-87
30	509.81	126317	1747	5	0	5	0.26	0.33	34	0	0	0	0	57	0	0	-87
TOTAL				21	0	21	5.63	6.10	684	0.38	0.20	42	0	1426	0	0	-2047

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



CASITAS RESERVOIR OPERATION  
MAY 2015

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW		EVAPORATION				PRECIPITATION			RELEASES			STORAGE CHANGE
	Elevation	Apr 30 <sup>th</sup> Surface Storage (acres)	Direct	Ventura River Diversion	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	To Main System	To River	Spill	
1	509.77	126249	31	0	31	0.25	0.31	33	0	0	0	67	0	0	-69
2	509.71	126144	-20	0	-20	0.32	0.20	31	0	0	0	55	0	0	-105
3	509.67	126074	-8	0	-8	0.25	0.20	27	0	0	0	35	0	0	-70
4	509.63	126004	6	0	6	0.20	0.20	24	0	0	0	52	0	0	-70
5	509.58	125915	2	0	2	0.20	0.20	24	0	0	0	67	0	0	-88
6	509.53	125828	-18	0	-18	0.10	0.10	12	0	0	0	57	0	0	-87
7	509.48	125741	-11	0	-11	0.12	0.20	19	0	0	0	58	0	0	-87
8	509.45	125689	-7	0	-7	0.14	0.14	16	0.03	0	2	31	0	0	-52
9	509.43	125654	-10	0	-10	0.10	0.02	7	0.02	0	1	19	0	0	-35
10	509.40	125602	-3	0	-3	0.11	0.17	16	0	0	0	32	0	0	-52
11	509.37	125551	23	0	23	0.10	0.16	15	0	0	0	59	0	0	-52
12	509.32	125463	1	0	1	0.33	0.15	28	0	0	0	60	0	0	-88
13	509.27	125376	-11	0	-11	0.18	0.20	22	0	0	0	54	0	0	-88
14	509.22	125288	-37	0	-37	0.19	0.15	20	0	0	0	30	0	0	-88
15	509.22	125288	-12	0	-12	0.00	0.09	5	0.20	0.30	36	19	0	0	0
16	509.20	125253	17	0	17	0.10	0.21	18	0	0	0	34	0	0	-35
17	509.16	125182	-11	0	-11	0.21	0.15	21	0	0	0	39	0	0	-71
18	509.14	125148	27	0	27	0.21	0.08	17	0	0	0	45	0	0	-35
19	509.09	125061	-17	0	-17	0.20	0.20	24	0	0	0	47	0	0	-87
20	509.05	124991	7	0	7	0.17	0.20	22	0	0	0	55	0	0	-70
21	509.00	124904	-6	0	-6	0.27	0.14	24	0	0	0	57	0	0	-87
22	508.95	124817	-24	0	-24	0.18	0.15	19	0	0	0	44	0	0	-88
23	508.93	124782	30	0	30	0.22	0.10	19	0	0	0	46	0	0	-35
24	508.88	124696	-44	0	-44	0.07	0.15	13	0	0	0	29	0	0	-86
25	508.86	124661	28	0	28	0.14	0.15	17	0	0	0	46	0	0	-35
26	508.82	124592	19	0	19	0.32	0.15	28	0	0	0	61	0	0	-70
27	508.77	124505	-13	0	-13	0.12	0.15	16	0	0	0	58	0	0	-87
28	508.73	124435	21	0	21	0.16	0.35	30	0	0	0	61	0	0	-70
29	508.69	124365	7	0	7	0.23	0.05	16	0	0	0	61	0	0	-71
30	508.63	124261	-33	0	-33	0.26	0.15	24	0	0	0	46	0	0	-104
31	508.60	124209	10	0	10	0.22	0.20	25	0	0	0	37	0	0	-52
TOTAL			-57	0	-57	5.67	5.07	631	0.25	0.30	40	1461	0	0	-2108

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

CASITAS RESERVOIR OPERATION  
JUNE 2015

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW		EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE		
	Elevation	May 31 <sup>st</sup> Storage	Surface Area (acres)	Direct	Ventura River Diversion	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	at Dam (in)	at Rec (in)	Lake Total	To Main System		To River	Spill
1	508.56	124140	1735	8	0	8	0.29	0.16	27	0	0	0	50	0	0	-69
2	508.52	124071	1735	6	0	6	0.19	0.14	20	0	0	0	56	0	0	-70
3	508.47	123984	1733	-13	0	-13	0.25	0.17	25	0	0	0	49	0	0	-87
4	508.43	123914	1733	-3	0	-3	0.14	0.18	19	0	0	0	47	0	0	-70
5	508.39	123845	1732	1	0	1	0.20	0.15	21	0	0	0	50	0	0	-70
6	508.35	123775	1732	-14	0	-14	0.09	0.12	12	0	0	0	43	0	0	-70
7	508.31	123705	1732	-13	0	-13	0.17	0.20	22	0	0	0	35	0	0	-70
8	508.28	123652	1731	34	0	34	0.39	0.28	40	0	0	0	47	0	0	-53
9	508.24	123583	1731	0	0	0	0.22	0.20	25	0	0	0	44	0	0	-69
10	508.23	123566	1731	-1	0	-1	0.00	0.00	0	0.17	0.14	22	39	0	0	-17
11	508.19	123498	1729	6	0	6	0.16	0.35	30	0.02	0	1	45	0	0	-68
12	508.15	123428	1729	-8	0	-8	0.16	0.25	24	0	0	0	37	0	0	-70
13	508.13	123393	1729	13	0	13	0.15	0.15	18	0	0	0	30	0	0	-35
14	508.10	123341	1729	-5	0	-5	0.15	0.05	12	0	0	0	35	0	0	-52
15	508.07	123287	1728	4	0	4	0.15	0.05	12	0	0	0	45	0	0	-54
16	508.02	123201	1728	5	0	5	0.27	0.24	30	0	0	0	61	0	0	-86
17	507.98	123133	1726	15	0	15	0.25	0.15	24	0	0	0	60	0	0	-69
18	507.93	123047	1726	6	0	6	0.39	0.15	32	0	0	0	61	0	0	-86
19	507.88	122960	1724	2	0	2	0.29	0.20	29	0	0	0	60	0	0	-87
20	507.82	122857	1724	-26	0	-26	0.22	0.25	28	0	0	0	49	0	0	-103
21	507.77	122772	1722	-15	0	-15	0.27	0.30	34	0	0	0	37	0	0	-85
22	507.75	122738	1722	47	0	47	0.19	0.25	26	0	0	0	55	0	0	-34
23	507.69	122635	1720	-2	0	-2	0.44	0.25	41	0	0	0	60	0	0	-103
24	507.64	122549	1720	1	0	1	0.30	0.10	24	0	0	0	63	0	0	-86
25	507.58	122446	1719	-12	0	-12	0.27	0.15	25	0	0	0	67	0	0	-103
26	507.53	122360	1719	-6	0	-6	0.22	0.20	25	0	0	0	55	0	0	-86
27	507.48	122274	1717	-2	0	-2	0.24	0.20	26	0	0	0	58	0	0	-86
28	507.44	122205	1717	-4	0	-4	0.21	0.18	23	0	0	0	42	0	0	-69
29	507.39	122118	1715	20	0	20	0.26	0.60	50	0	0	0	57	0	0	-87
30	507.35	122050	1715	38	0	38	0.28	0.36	37	0	0	0	69	0	0	-68
TOTAL				81	0	81	6.81	6.03	757	0.19	0.14	24	1508	0	0	-2160

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

CASITAS RESERVOIR OPERATION  
JULY 2015

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW		EVAPORATION			PRECIPITATION			RELEASES			STORAGE CHANGE			
	Elevation	Storage (acres)	Surface Area	Jun 30 <sup>th</sup> 122050	Direct	Ventura River Diversion	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total		Main System	To River	Spill
1	507.28	121931	1713		-28	0	-28	0.18	0.21	23	0	0	0	68	0	0	-119
2	507.23	121845	1713		4	0	4	0.26	0.20	27	0	0	0	63	0	0	-86
3	507.17	121741	1711		-11	0	-11	0.35	0.24	34	0	0	0	58	0	0	-103
4	507.12	121655	1711		-7	0	-7	0.33	0.30	36	0	0	0	43	0	0	-86
5	507.08	121585	1709		-14	0	-14	0.17	0.14	18	0	0	0	39	0	0	-70
6	507.04	121517	1709		11	0	11	0.28	0.15	25	0	0	0	54	0	0	-68
7	507.00	121449	1709		17	0	17	0.19	0.20	22	0	0	0	62	0	0	-68
8	506.94	121347	1707		-20	0	-20	0.21	0.20	24	0	0	0	58	0	0	-102
9	506.89	121262	1705		-11	0	-11	0.22	0.15	21	0	0	0	52	0	0	-85
10	506.83	121160	1705		-12	0	-12	0.26	0.20	26	0	0	0	64	0	0	-102
11	506.79	121092	1704		2	0	2	0.16	0.10	15	0	0	0	55	0	0	-68
12	506.74	121007	1704		-19	0	-19	0.25	0.20	26	0	0	0	40	0	0	-85
13	506.70	120939	1704		18	0	18	0.27	0.15	24	0	0	0	62	0	0	-68
14	506.65	120854	1702		16	0	16	0.36	0.18	31	0	0	0	70	0	0	-85
15	506.59	120752	1700		-14	0	-14	0.20	0.20	23	0	0	0	65	0	0	-102
16	506.54	120667	1700		12	0	12	0.30	0.21	29	0	0	0	68	0	0	-85
17	506.49	120582	1698		-3	0	-3	0.30	0.18	28	0	0	0	54	0	0	-85
18	506.43	120480	1698		-40	0	-40	0.37	0.10	27	0	0	0	35	0	0	-102
19	506.43	120480	1698		4	0	4	0.00	0.00	0	0.22	0.19	29	33	0	0	0
20	506.42	120463	1698		-2	0	-2	0.03	0.00	2	0.15	0.13	20	33	0	0	-17
21	506.39	120412	1696		-7	0	-7	0.22	0.10	18	0	0	0	26	0	0	-51
22	506.36	120361	1696		-4	0	-4	0.13	0.20	19	0	0	0	28	0	0	-51
23	506.34	120327	1696		10	0	10	0.11	0.16	15	0	0	0	28	0	0	-34
24	506.31	120276	1696		2	0	2	0.18	0.13	18	0	0	0	35	0	0	-51
25	506.28	120225	1695		18	0	18	0.32	0.25	33	0	0	0	37	0	0	-51
26	506.24	120157	1695		-11	0	-11	0.21	0.18	22	0	0	0	35	0	0	-68
27	506.20	120089	1695		7	0	7	0.26	0.19	26	0	0	0	50	0	0	-68
28	506.15	120004	1693		-4	0	-4	0.22	0.16	22	0	0	0	59	0	0	-85
29	506.10	119919	1693		6	0	6	0.33	0.17	29	0	0	0	63	0	0	-85
30	506.05	119833	1691		-1	0	-1	0.20	0.20	23	0	0	0	62	0	0	-86
31	505.99	119732	1689		-4	0	-4	0.28	0.15	25	0	0	0	72	0	0	-101
TOTAL					-86	0	-86	7.15	5.20	709	0.37	0.32	49	1571	0	0	-2317

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

CASITAS RESERVOIR OPERATION  
AUGUST 2015

\*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 Diversion	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	Main System	To River		Spill
1	505.94	119648	-1	0	-1	0.22	0.20	24	0	0	0	59	0	0	-84
2	505.89	119565	-14	0	-14	0.27	0.25	30	0	0	0	40	0	0	-83
3	505.85	119498	8	0	8	0.20	0.20	23	0	0	0	53	0	0	-68
4	505.79	119395	-30	0	-30	0.00	0.20	11	0	0	0	61	0	0	-103
5	505.74	119311	2	0	2	0.30	0.16	26	0	0	0	60	0	0	-84
6	505.70	119244	16	0	16	0.23	0.18	23	0	0	0	60	0	0	-67
7	505.64	119143	-18	0	-18	0.20	0.15	20	0	0	0	63	0	0	-101
8	505.59	119059	-1	0	-1	0.28	0.20	27	0	0	0	55	0	0	-84
9	505.54	118975	-30	0	-30	0.20	0.14	19	0	0	0	35	0	0	-84
10	505.50	118908	1	0	1	0.15	0.06	12	0	0	0	56	0	0	-67
11	505.46	118841	21	0	21	0.24	0.22	26	0	0	0	62	0	0	-67
12	505.40	118740	-20	0	-20	0.18	0.14	18	0	0	0	63	0	0	-101
13	505.34	118640	-1	0	-1	0.21	0.24	26	0	0	0	74	0	0	-100
14	505.28	118537	-2	0	-2	0.33	0.20	30	0	0	0	71	0	0	-102
15	505.22	118437	4	0	4	0.30	0.22	29	0	0	0	76	0	0	-101
16	505.16	118336	-15	0	-15	0.34	0.20	31	0	0	0	55	0	0	-101
17	505.10	118235	-12	0	-12	0.21	0.20	23	0	0	0	66	0	0	-101
18	505.05	118151	7	0	7	0.18	0.16	19	0	0	0	72	0	0	-85
19	505.00	118067	11	0	11	0.38	0.19	32	0	0	0	63	0	0	-84
20	504.95	117983	-6	0	-6	0.27	0.19	26	0	0	0	52	0	0	-84
21	504.90	117900	-5	0	-5	0.18	0.15	19	0	0	0	59	0	0	-83
22	504.84	117801	-19	0	-19	0.27	0.18	25	0	0	0	55	0	0	-99
23	504.80	117734	-6	0	-6	0.16	0.18	19	0	0	0	41	0	0	-67
24	504.76	117667	23	0	23	0.20	0.18	21	0	0	0	69	0	0	-67
25	504.71	117584	20	0	20	0.21	0.13	19	0	0	0	84	0	0	-83
26	504.64	117468	-14	0	-14	0.23	0.18	23	0	0	0	79	0	0	-116
27	504.58	117368	-7	0	-7	0.20	0.20	22	0	0	0	71	0	0	-100
28	504.51	117251	-24	0	-24	0.20	0.22	24	0	0	0	70	0	0	-117
29	504.47	117183	23	0	23	0.39	0.23	35	0	0	0	56	0	0	-68
30	504.41	117084	-31	0	-31	0.18	0.21	22	0	0	0	47	0	0	-100
31	504.35	116985	-11	0	-11	0.29	0.15	25	0	0	0	64	0	0	-99
TOTAL			-129	0	-129	7.20	5.71	730	0.00	0.00	0	1889	0	0	-2748

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

CASITAS RESERVOIR OPERATION  
SEPTEMBER 2015

\*figures in acre-feet except where otherwise noted

DATE	RESERVOIR (@ 2400 hrs.)		INFLOW		EVAPORATION			PRECIPITATION			RELEASES				
	Elevation	Aug 31 <sup>st</sup> Surface Area 116985 Storage (acres)	Direct	Ventura River Diversion	Total	Pan @Dam (in)	Pan @Rec (in)	Lake Total	Dam (in)	at Rec (in)	Lake Total	Main System	To River	Spill	STORAGE CHANGE
1	504.31	116918	28	0	28	0.27	0.19	24	0	0	0	70	0	0	-67
2	504.25	116817	-15	0	-15	0.17	0.20	19	0	0	0	67	0	0	-101
3	504.20	116702	-33	0	-33	0.23	0.12	18	0	0	0	64	0	0	-115
4	504.14	116635	21	0	21	0.19	0.19	20	0	0	0	68	0	0	-67
5	504.07	116517	-40	0	-40	0.30	0.18	25	0	0	0	53	0	0	-118
6	504.02	116434	-16	0	-16	0.27	0.21	25	0	0	0	42	0	0	-83
7	503.98	116367	9	0	9	0.21	0.18	20	0	0	0	55	0	0	-67
8	503.93	116285	16	0	16	0.28	0.22	26	0	0	0	72	0	0	-82
9	503.87	116188	21	0	21	0.27	0.25	27	0	0	0	92	0	0	-98
10	503.80	116072	-4	0	-4	0.29	0.22	27	0	0	0	85	0	0	-116
11	503.74	115973	2	0	2	0.18	0.20	20	0	0	0	81	0	0	-99
12	503.67	115857	-25	0	-25	0.36	0.23	31	0	0	0	60	0	0	-116
13	503.62	115775	-8	0	-8	0.16	0.22	20	0	0	0	54	0	0	-82
14	503.58	115710	5	0	5	0.20	0.16	19	0	0	0	51	0	0	-65
15	503.56	115677	-22	0	-22	0.00	0.00	11	0.30	0.17	32	43	0	0	-33
16	503.52	115611	-29	0	-29	0.06	0.15	11	0.02	0.05	5	31	0	0	-66
17	503.48	115545	-3	0	-3	0.20	0.15	18	0	0	0	44	0	0	-66
18	503.44	115479	4	0	4	0.18	0.18	19	0	0	0	51	0	0	-66
19	503.38	115380	-19	0	-19	0.26	0.22	25	0	0	0	55	0	0	-99
20	503.34	115314	-4	0	-4	0.11	0.21	17	0	0	0	45	0	0	-66
21	503.30	115248	22	0	22	0.32	0.09	21	0	0	0	67	0	0	-66
22	503.24	115149	0	0	0	0.26	0.16	22	0	0	0	78	0	0	-99
23	503.18	115051	-11	0	-11	0.18	0.09	14	0	0	0	73	0	0	-98
24	503.12	114952	-4	0	-4	0.22	0.17	20	0	0	0	75	0	0	-99
25	503.06	114852	-14	0	-14	0.27	0.19	24	0	0	0	62	0	0	-100
26	503.02	114787	12	0	12	0.10	0.20	16	0	0	0	62	0	0	-65
27	502.97	114705	-12	0	-12	0.23	0.20	22	0	0	0	47	0	0	-82
28	502.93	114640	17	0	17	0.30	0.15	23	0	0	0	59	0	0	-65
29	502.87	114542	-1	0	-1	0.20	0.17	19	0	0	0	78	0	0	-98
30	502.80	114428	-28	0	-28	0.18	0.03	11	0	0	0	75	0	0	-114
TOTAL			-132	0	-132	6.45	5.13	604	0.32	0.22	37	1857	0	0	-2557

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

## **Mira Monte Well Water Production**

# Mira Monte Well

Water Year 2014 – 2015

<b>Month</b>	<b>Acre Feet</b>
Oct – 14	1.27
Nov – 14	8.69
Dec – 14	4.81
Jan – 15	7.73
Feb – 15	7.68
Mar – 15	15.58
Apr - 15	13.54
May – 15	9.53
Jun – 15	0.00
Jul – 15	0.00
Aug – 15	0.00
Sep – 15	0.00
<b>Total:</b>	<b>68.83 AF</b>

## **Lake Matilija Water Surface Elevation**



# Matilija Reservoir Lake Elevation

## WATER YEAR OCTOBER 2014 TO SEPTEMBER 2015

*Daily mean elevation, feet above mean sea level*

Day	2014												2015											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1095.35	1095.37	1095.42	1095.57	1095.52	1095.53	1095.37	1095.47	1095.40	1095.15	1095.34	1095.32												
2	1095.35	1095.45	1095.43	1095.60	1095.55	1095.49	1095.43	1095.47	1095.44	1095.20	1095.31	1095.39												
3	1095.30	1095.48	1095.44	1095.62	1095.56	1095.53	1095.45	1095.41	1095.33	1095.40	1095.32	1095.38												
4	1095.33	1095.52	1095.41	1095.59	1095.57	1095.56	1095.47	1095.41	1095.36	1095.41	1095.34	1095.34												
5	1095.32	1095.58	1095.40	1095.59	1095.59	1095.63	1095.41	1095.41	1095.42	1095.34	1095.36	1095.36												
6	1095.34	1095.60	1095.45	1095.56	1095.58	1095.64	1095.39	1095.38	1095.44	1095.31	1095.36	1095.38												
7	1095.34	1095.60	1095.41	1095.58	1095.52	1095.66	1095.45	1095.44	1095.45	1095.32	1095.30	1095.37												
8	1095.33	1095.60	1095.44	1095.60	1095.51	1095.57	1095.57	1095.42	1095.48	1095.25	1095.29	1095.21												
9	1095.33	1095.52	1095.49	1095.57	1095.54	1095.52	1095.69	1095.51	1095.32	1095.23	1095.28	1095.25												
10	1095.56	1095.42	1095.47	1095.51	1095.56	1095.55	1095.67	1095.52	1095.35	1095.37	1095.26	1095.20												
11	1095.43	1095.44	1095.41	1095.50	1095.59	1095.51	1095.67	1095.52	1095.40	1095.43	1095.29	1095.22												
12	1095.41	1095.44	1095.38	1095.51	1095.65	1095.56	1095.59	1095.50	1095.41	1095.38	1095.30	1095.19												
13	1095.41	1095.44	1095.44	1095.53	1095.63	1095.60	1095.50	1095.42	1095.38	1095.37	1095.26	1095.32												
14	1095.43	1095.48	1095.45	1095.58	1095.63	1095.58	1095.46	1095.39	1095.38	1095.31	1095.22	1095.29												
15	1095.44	1095.46	1095.44	1095.59	1095.57	1095.49	1095.40	1095.52	1095.41	1095.28	1095.28	1095.26												
16	1095.46	1095.49	1095.47	1095.57	1095.46	1095.46	1095.49	1095.58	1095.44	1095.36	1095.25	1095.23												
17	1095.46	1095.46	1095.49	1095.62	1095.46	1095.42	1095.48	1095.51	1095.33	1095.36	1095.18	1095.32												
18	1095.46	1095.49	1095.47	1095.58	1095.51	1095.41	1095.49	1095.46	1095.43	1095.31	1095.31	1095.39												
19	1095.36	1095.47	1095.48	1095.53	1095.57	1095.44	1095.46	1095.49	1095.47	1095.31	1095.39	1095.41												
20	1095.42	1095.44	1095.49	1095.50	1095.53	1095.45	1095.39	1095.49	1095.45	1095.33	1095.37	1095.22												
21	1095.46	1095.46	1095.50	1095.54	1095.50	1095.44	1095.36	1095.40	1095.39	1095.31	1095.38	1095.19												
22	1095.46	1095.45	1095.54	1095.58	1095.48	1095.39	1095.35	1095.43	1095.36	1095.28	1095.41	1095.11												
23	1095.49	1095.47	1095.43	1095.59	1095.45	1095.45	1095.36	1095.47	1095.37	1095.30	1095.40	1095.31												
24	1095.50	1095.46	1095.42	1095.62	1095.58	1095.54	1095.35	1095.49	1095.37	1095.40	1095.38	1095.35												
25	1095.49	1095.47	1095.45	1095.60	1095.66	1095.58	1095.46	1095.46	1095.38	1095.42	1095.38	1095.18												
26	1095.45	1095.50	1095.57	1095.53	1095.70	1095.60	1095.52	1095.39	1095.41	1095.37	1095.38	1095.23												
27	1095.43	1095.53	1095.61	1095.48	1095.67	1095.59	1095.51	1095.41	1095.34	1095.33	1095.20	1095.16												
28	1095.47	1095.51	1095.56	1095.51	1095.57	1095.57	1095.50	1095.49	1095.35	1095.33	1095.22	1095.12												
29	1095.51	1095.47	1095.52	1095.56	-----	1095.49	1095.42	1095.54	1095.38	1095.31	1095.25	1095.29												
30	1095.49	1095.41	1095.47	1095.52	-----	1095.44	1095.45	1095.53	1095.17	1095.30	1095.23	1095.40												
31	1095.41	-----	1095.50	1095.50	-----	1095.38	-----	1095.45	-----	1095.34	1095.19	-----												

Data is provisional and subject to revision.

Unreasonable data. Elevation based on discharge at Matilija Hot Springs gage station.

## **Rainfall Stations**

VENTURA COUNTY, CALIFORNIA  
WATER SURVEY  
**DAILY RAINFALL RECORD**

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

NUMBER: 134  
 OBSER. TIME: 0800  
 LATITUDE: 34°29' N  
 LONGITUDE: 119°18' W  
 ELEV: 1060 ft

2014-15

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0.81	0.11			0.75						
2			0.31			0.48						
3			3.51			0.06						
4			0.16									
5												
6												
7							0.02					
8					0.62		0.53	0.05				
9								0.01				
10									0.21			
11				1.94								
12			2.42	0.04								
13			0.46									
14												0.02
15								0.27				0.23
16			0.10									0.03
17			0.89									
18			0.01									
19			0.01			0.12				0.26		
20										1.90		
21												
22												
23					0.72							
24					0.10		0.14					
25												
26												
27				0.13								
28												
29												
30												
31			0.15									
Mo Total	0.00	0.81	8.13	2.11	1.44	1.41	0.69	0.33	0.21	2.16	0.00	0.28
Yr Total	0.00	0.81	8.94	11.05	12.49	13.90	14.59	14.92	15.13	17.29	17.29	17.57

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: 34°25' N  
LONGITUDE: 119°20' W  
ELEV: 592 ft

**2014-15**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0.90	0.05			0.16						
2			0.15			0.02						
3			2.00									
4			0.25									
5												
6												
7												
8					0.60		0.10					
9												
10									0.14			
11				1.30								
12			2.02	0.04								
13			0.31									
14		0.04										
15								0.30				0.17
16			0.11									0.05
17			0.45									
18												
19						0.07				0.19		
20										0.13		
21												
22		0.02			0.03							
23					0.19							
24							0.10					
25												
26												
27				0.10								
28												
29												
30												
31			0.07									
Mo Total	0.00	0.96	5.41	1.44	0.82	0.25	0.20	0.30	0.14	0.32	0.00	0.22
Yr Total	0.00	0.96	6.37	7.81	8.63	8.88	9.08	9.38	9.52	9.84	9.84	10.06

Rainfall in inches

VENTURA COUNTY, CALIFORNIA  
WATER SURVEY  
**DAILY RAINFALL RECORD**

STATION:	Casitas Dam	NUMBER:	004
OBSERVER:	CMWD Damtender	OBSER. TIME:	0800
AUTHORITY:	Casitas Municipal Water District	LATITUDE:	34°22' N
ADDRESS:	P.O. Box 37, Oak View, CA 93022	LONGITUDE:	119°20' W
COMPILED:	C. Iles	ELEV:	400 ft

**2014-15**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		1.16	0.04			0.21						
2		0.04	0.18			0.02						
3			1.97									
4			0.23		0.01							
5			0.01									
6												
7												
8					0.56		0.27	0.03				
9								0.02				
10									0.17			
11				1.47					0.02			
12			2.13	0.50								
13			0.10									
14		0.07										
15		0.01						0.20				0.30
16			0.22									0.02
17			0.57									
18			0.03									
19			0.01							0.22		
20			0.01			0.23				0.15		
21			0.01									
22				0.02	0.03							
23					0.17							
24							0.10					
25												
26							0.01					
27				0.12								
28				0.01								
29												
30												
31												
Mo Total	0.00	1.28	5.51	2.12	0.77	0.46	0.38	0.25	0.19	0.37	0.00	0.32
Yr Total	0.00	1.28	6.79	8.91	9.68	10.14	10.52	10.77	10.96	11.33	11.33	11.65

Rainfall in inches

## **Streamflow Gaging Stations**

# Matilija Creek at Matilija Hot Springs

USGS #: 11115500  
 VCWPD #: 602  
 DATE INSTALLED: 10/1927  
 MAINTAINED BY: CMWD

LATITUDE: 34°28'58" N  
 LONGITUDE: 119°18'7" W  
 ELEVATION: 900 ft  
 DRAINAGE AREA: 54 sq mi

## WATER YEAR OCTOBER 2014 TO SEPTEMBER 2015

Daily Mean Discharge, cubic feet per second

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.4	0.4	1	7	6	6	3	2	2	0.5	0.3	0.3
2	0.3	0.3	10	7	6	6	3	2	2	0.4	0.3	0.3
3	0.3	0.3	7	7	6	5	3	2	1	0.5	0.4	0.3
4	0.3	0.3	3	7	6	5	3	2	2	0.6	0.3	0.3
5	0.3	0.3	2	7	5	5	3	2	2	0.5	0.3	0.3
6	0.3	0.3	1	6	5	4	3	2	2	0.5	0.3	0.3
7	0.4	0.4	2	6	7	4	4	2	1	0.5	0.4	0.3
8	0.3	0.4	2	6	6	4	4	2	1	0.6	0.7	0.3
9	0.4	0.4	3	6	6	4	3	2	1	0.6	0.6	0.3
10	0.4	0.5	3	7	5	4	3	2	2	0.6	0.6	0.2
11	0.4	0.5	3	14	5	4	3	2	1	0.7	0.3	0.3
12	0.3	0.7	48	9	5	4	3	2	1	0.7	0.2	0.3
13	0.4	0.8	24	9	5	4	3	2	1	0.6	0.2	0.3
14	0.4	0.9	13	8	5	4	3	2	1	0.5	0.2	0.4
15	0.4	0.9	10	8	5	4	2	2	1	0.6	0.3	0.4
16	0.3	0.8	10	8	5	4	2	2	1	0.6	0.3	0.4
17	0.3	0.6	14	8	5	4	2	2	1	0.6	0.3	0.3
18	0.3	0.6	10	8	5	5	2	2	1	0.6	0.3	0.3
19	0.4	0.6	9	8	5	5	2	2	1	2	0.3	0.2
20	0.4	0.7	9	8	5	4	2	2	1	3	0.3	0.2
21	0.3	0.8	9	7	5	4	2	2	0.9	1	0.3	0.3
22	0.3	0.7	8	7	6	4	2	2	0.9	1	0.4	0.3
23	0.4	0.8	8	7	6	4	3	2	0.9	0.9	0.5	0.3
24	0.4	0.6	8	7	5	4	3	2	0.9	0.8	0.3	0.3
25	0.3	0.5	8	7	5	3	3	2	0.8	0.7	0.3	0.3
26	0.3	0.6	8	7	5	3	3	2	0.8	0.7	0.2	0.3
27	0.3	0.8	8	7	5	3	2	2	0.8	0.8	0.2	0.3
28	0.3	0.9	8	7	5	3	2	2	0.8	0.7	0.2	0.3
29	0.3	1	8	6	---	3	2	2	0.8	0.3	0.3	0.2
30	0.3	1	8	6	---	3	2	2	0.7	0.3	0.3	0.2
31	0.3	---	7	6	---	3	---	2	---	0.3	0.3	---
<b>TOTAL</b>	<b>10.5</b>	<b>18.7</b>	<b>269.2</b>	<b>228.1</b>	<b>146.8</b>	<b>126.9</b>	<b>80.0</b>	<b>63.2</b>	<b>35.8</b>	<b>23.6</b>	<b>10.2</b>	<b>8.6</b>
<b>MEAN</b>	<b>0.3</b>	<b>0.6</b>	<b>8.7</b>	<b>7.4</b>	<b>5.2</b>	<b>4.1</b>	<b>2.7</b>	<b>2.0</b>	<b>1.2</b>	<b>0.8</b>	<b>0.3</b>	<b>0.3</b>
<b>MAX</b>	<b>0.4</b>	<b>1.3</b>	<b>48.0</b>	<b>13.8</b>	<b>7</b>	<b>6</b>	<b>3.8</b>	<b>2.4</b>	<b>1.7</b>	<b>3.3</b>	<b>0.7</b>	<b>0.4</b>
<b>MIN</b>	<b>0.3</b>	<b>0.3</b>	<b>1.4</b>	<b>6.1</b>	<b>4.5</b>	<b>3.2</b>	<b>2.1</b>	<b>1.6</b>	<b>0.7</b>	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>
<b>ACRE FT</b>	<b>21</b>	<b>37</b>	<b>534</b>	<b>452</b>	<b>291</b>	<b>252</b>	<b>159</b>	<b>125</b>	<b>71</b>	<b>47</b>	<b>20</b>	<b>17</b>

*Data is provisional and subject to revision*

# North Fork Matilija Creek at Matilija Hot Springs

USGS #: 11116000  
 VCWPD #: 604  
 DATE INSTALLED: 01/1934  
 MAINTAINED BY: VCWPD

LATITUDE: 34°29'34" N  
 LONGITUDE: 119°18'23" W  
 ELEVATION: 1142 ft  
 DRAINAGE AREA: 15.8 sq mi

## WATER YEAR OCTOBER 2014 TO SEPTEMBER 2015

Daily Mean Discharge, cubic feet per second

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.9	0.3	0.4	1	1	1	0.7	0.5	0.5	0.3	0.3	0.2
2	1	0.3	4	1	1	1	0.7	0.5	0.5	0.3	0.3	0.2
3	0.1	0.4	4	1	1	1	0.6	0.5	0.5	0.4	0.3	0.2
4	0.1	0.4	2	1	1	1	0.6	0.5	0.4	0.4	0.3	0.2
5	0.1	0.4	1	1	1	1	0.6	0.5	0.3	0.4	0.3	0.2
6	0.1	0.4	1	1	1	0.9	0.5	0.5	0.3	0.4	0.3	0.2
7	0.1	0.4	1	1	2	0.9	0.9	0.5	0.3	0.4	0.3	0.2
8	0.1	0.4	1	1	1	0.8	1.1	0.6	0.3	0.4	0.3	0.2
9	0.1	0.4	1	1	1	0.9	0.9	0.6	0.4	0.4	0.3	0.2
10	0.1	0.4	0.9	1	1	0.8	0.8	0.5	0.4	0.4	0.3	0.2
11	0.1	0.4	1	3	1	0.8	0.8	0.5	0.4	0.3	0.3	0.2
12	0.1	0.4	21	2	1	0.8	0.7	0.5	0.3	0.3	0.3	0.2
13	0.1	0.4	4	2	1	0.6	0.6	0.5	0.3	0.3	0.2	0.2
14	0.1	0.4	2	2	1	0.5	0.6	0.6	0.3	0.3	0.2	0.2
15	0.1	0.4	2	2	1	0.5	0.6	0.6	0.3	0.3	0.2	0.3
16	0.1	0.4	2	2	1	0.5	0.5	0.5	0.3	0.3	0.2	0.3
17	0.1	0.4	3	2	0.9	0.5	0.5	0.5	0.3	0.3	0.2	0.3
18	0.1	0.4	2	2	0.9	0.7	0.6	0.5	0.3	0.3	0.3	0.3
19	0.1	0.4	2	2	0.9	1	0.5	0.5	0.3	2	0.3	0.3
20	0.1	0.4	2	2	0.9	0.8	0.5	0.5	0.3	1	0.3	0.2
21	0.1	0.4	1	2	0.9	0.8	0.5	0.5	0.3	0.4	0.3	0.3
22	0.1	0.4	1	2	1	0.9	0.6	0.5	0.3	0.4	0.3	0.3
23	0.2	0.4	1	1	1	0.9	0.7	0.5	0.3	0.3	0.3	0.3
24	0.2	0.4	1	1	0.9	0.9	0.9	0.5	0.3	0.3	0.3	0.3
25	0.2	0.4	1	1	0.9	0.7	0.9	0.5	0.3	0.3	0.2	0.3
26	0.2	0.4	1	1	0.9	0.7	0.7	0.5	0.3	0.3	0.2	0.3
27	0.2	0.4	1	1	0.9	0.6	0.6	0.5	0.3	0.3	0.2	0.3
28	0.2	0.4	1	1	1.0	0.6	0.6	0.5	0.3	0.3	0.2	0.3
29	0.2	0.4	1	1	---	0.6	0.5	0.5	0.3	0.3	0.2	0.3
30	0.2	0.4	1	1	---	0.6	0.5	0.5	0.3	0.3	0.2	0.3
31	0.3	---	1	2	---	0.6	---	0.5	---	0.3	0.2	---
TOTAL	5.8	12.1	69.4	46.7	31.0	24.8	19.7	15.5	10.1	11.9	7.9	7.4
MEAN	0.2	0.4	2.2	1.5	1.1	0.8	0.7	0.5	0.3	0.4	0.3	0.2
MAX	1.0	0.4	21	3.2	1.5	1.4	1.1	0.6	0.5	1.5	0.3	0.3
MIN	0.1	0.3	0.4	1.2	0.9	0.5	0.5	0.5	0.3	0.3	0.2	0.2
ACRE FT	11	24	138	93	61	49	39	31	20	24	16	15

*Estimated daily data*

*This data is preliminary and subject to change until checked and evaluated by Ventura County. Unverified data may contain errors that have not been checked by Hydrology staff. Ventura County does not guarantee the accuracy of these data; please note that flows may vary considerably during each day and from day to day.*



# Ventura River near Meiners Oaks (Robles)

USGS #: 11116550  
 VCWPD #: 607  
 DATE INSTALLED: 05/1959  
 MAINTAINED BY: CMWD

LATITUDE: 34°27'49" N  
 LONGITUDE: 119°17'26" W  
 ELEVATION: 740 ft  
 DRAINAGE AREA: 74 sq mi

## WATER YEAR OCTOBER 2014 TO SEPTEMBER 2015

Daily Mean Discharge, cubic feet per second

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	5	1	3	0	0	0	0	0	0
2	0	0	4	4	2	3	0	0	0	0	0	0
3	0	0	6	3	1	1	0	0	0	0	0	0
4	0	0	0.3	3	1	1	0	0	0	0	0	0
5	0	0	0	3	1	1	0	0	0	0	0	0
6	0	0	0	1	1	1	0	0	0	0	0	0
7	0	0	0	2	3	0.4	0	0	0	0	0	0
8	0	0	0	1	4	0.3	0	0	0	0	0	0
9	0	0	0	1	1	0.2	0	0	0	0	0	0
10	0	0	0	1	1	0.2	0	0	0	0	0	0
11	0	0	0	12	1	0	0	0	0	0	0	0
12	0	0	16	8	1	0	0	0	0	0	0	0
13	0	0	20	7	1	0	0	0	0	0	0	0
14	0	0	14	5	1	0	0	0	0	0	0	0
15	0	0	11	5	1	0	0	0	0	0	0	0
16	0	0	10	5	0.3	0	0	0	0	0	0	0
17	0	0	14	3	0.2	0	0	0	0	0	0	0
18	0	0	11	3	0.1	0	0	0	0	0	0	0
19	0	0	10	3	0.2	0	0	0	0	0	0	0
20	0	0	9	2	1	0	0	0	0	0	0	0
21	0	0	9	3	1	0	0	0	0	0	0	0
22	0	0	7	2	1	0	0	0	0	0	0	0
23	0	0	6	2	2	0	0	0	0	0	0	0
24	0	0	6	2	1	0	0	0	0	0	0	0
25	0	0	6	2	1	0	0	0	0	0	0	0
26	0	0	5	2	1	0	0	0	0	0	0	0
27	0	0	6	4	1	0	0	0	0	0	0	0
28	0	0	6	3	1	0	0	0	0	0	0	0
29	0	0	6	2	---	0	0	0	0	0	0	0
30	0	0	6	1	---	0	0	0	0	0	0	0
31	0	---	5	2	---	0	---	0	---	0	0	---
TOTAL	0.0	0.0	190.6	104.1	29.3	9.6	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	6.1	3.4	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	19.7	12.4	4	3	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ACRE FT	0	0	378	206	58	19	0	0	0	0	0	0

*Data is provisional and subject to revision.*

# Robles-Casitas Canal (First Bridge)

USGS #: N/A  
 VCWPD #: N/A  
 DATE INSTALLED: 1958  
 MAINTAINED BY: CMWD

LATITUDE: 34°27'43" N  
 LONGITUDE: 119°17'34" W  
 ELEVATION: 770 ft  
 DRAINAGE AREA: N/A

## WATER YEAR OCTOBER 2014 TO SEPTEMBER 2015

Daily Mean Discharge, cubic feet per second

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	26	0	0	0	0	0	0	0	0	0
13	0	0	5	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0.0	0.0	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	26.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ACRE FT	0	0	62	0	0	0	0	0	0	0	0	0

*Data is provisional and subject to revision.*

# Ventura River near Ventura (Foster Park)

USGS #: 11118500  
 VCWPD #: 608  
 DATE INSTALLED: 10/1929  
 MAINTAINED BY: USGS, Water Resources Division

LATITUDE: 34°21'09" N  
 LONGITUDE: 119°18'29" W  
 ELEVATION: 205 ft  
 DRAINAGE AREA: 187 sq mi

## WATER YEAR OCTOBER 2014 TO SEPTEMBER 2015

Daily Mean Discharge, cubic feet per second

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	2	3	2	3	3	0.9	0.1
2	0	0	0	0	0	2	3	2	3	2	0.9	0.1
3	0	0	0	0	0	2	3	2	3	3	0.8	0.1
4	0	0	0	0	0	2	3	3	3	3	0.6	0.1
5	0	0	0	0	0	2	3	3	3	3	0.3	0.1
6	0	0	0	0	0	2	3	2	3	3	0.4	0.1
7	0	0	0	0	0	2	3	0.7	3	3	0.4	0.1
8	0	0	0	0	0	2	3	0.6	3	3	0.4	0
9	0	0	0	0	0	2	3	0.7	4	3	0.3	0
10	0	0	0	0	0	2	3	0.8	4	3	0.3	0
11	0	0	0	0	0	2	3	1	4	3	0.3	0
12	0	0	0.1	0	0.1	2	3	1	4	4	0.3	0
13	0	0	0	0	0.1	2	3	1	4	3	0.3	0
14	0	0	0	0	0.3	2	3	1	4	3	0.2	0
15	0	0	0	0	0.6	2	3	2	3	3	0.2	0
16	0	0	0	0	0.9	2	2	3	3	3	0.2	0
17	0	0	0	0	1	2	2	3	3	3	0.2	0
18	0	0	0	0	1	2	1	3	3	1	0.3	0
19	0	0	0	0	1	2	1	3	3	1	0.3	0
20	0	0	0	0	2	3	2	3	3	1	0.2	0
21	0	0	0	0	2	2	2	4	2	1	0.2	0
22	0	0	0	0	2	2	2	3	2	0.9	0.2	0
23	0	0	0	0	2	2	2	3	2	0.9	0.2	0
24	0	0	0	0	2	2	1	3	2	0.9	0.2	0
25	0	0	0	0	2	2	1	3	2	0.9	0.2	0
26	0	0	0	0	2	2	1	3	1	0.9	0.2	0
27	0	0	0	0	2	2	2	3	1	1	0.2	0
28	0	0	0	0	2	2	2	3	0.9	1	0.2	0
29	0	0	0	0	---	2	2	3	1	1	0.2	0
30	0	0	0	0	---	3	2	3	2	1	0.2	0
31	0	---	0	0	---	3	---	3	---	0.9	0.1	---
TOTAL	0.0	0.0	0.1	0.0	22.0	69.0	68.2	72.0	81.2	63.4	9.6	0.9
MEAN	0.0	0.0	0.0	0.0	0.8	2.2	2.3	2.3	2.7	2.0	0.3	0.0
MAX	0.0	0.0	0.1	0.0	2.0	2.6	3.0	3.6	3.9	3.5	0.9	0.1
MIN	0.0	0.0	0.0	0.0	0.0	1.9	1.1	0.6	0.9	0.9	0.1	0.0
ACRE FT	0	0	0	0	44	137	135	143	161	126	19	2

Data is provisional and subject to revision  
 Data is missing, interpolated between reported values

# Santa Ana Creek, near Oak View

USGS #: 11117800  
 VCWPD #: 606  
 DATE INSTALLED: 10/1958  
 MAINTAINED BY: CMWD

LATITUDE: 34°25'24" N  
 LONGITUDE: 119°20'28" W  
 ELEVATION: 630 ft  
 DRAINAGE AREA: 9 sq mi

## WATER YEAR OCTOBER 2014 TO SEPTEMBER 2015

Daily Mean Discharge, cubic feet per second

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0.1	0.1	0	0	0	0	0	0
2	0	0	0	0	0.1	0.1	0	0	0	0	0	0
3	0	0	0	0	0.1	0	0	0	0	0	0	0
4	0	0	0	0	0.1	0	0	0	0	0	0	0
5	0	0	0	0	0.1	0	0	0	0	0	0	0
6	0	0	0	0	0.1	0	0	0	0	0	0	0
7	0	0	0	0	0.1	0	0	0	0	0	0	0
8	0	0	0	0	0.2	0	0	0	0	0	0	0
9	0	0	0	0	0.1	0	0	0	0	0	0	0
10	0	0	0	0	0.1	0	0	0	0	0	0	0
11	0	0	0	0.3	0.1	0	0	0	0	0	0	0
12	0	0	0.2	0.2	0.1	0	0	0	0	0	0	0
13	0	0	0	0.2	0.1	0	0	0	0	0	0	0
14	0	0	0	0.2	0.1	0	0	0	0	0	0	0
15	0	0	0	0.2	0.1	0	0	0	0	0	0	0
16	0	0	0	0.3	0.1	0	0	0	0	0	0	0
17	0	0	0	0.2	0.1	0	0	0	0	0	0	0
18	0	0	0	0.2	0.1	0	0	0	0	0	0	0
19	0	0	0	0.2	0.1	0	0	0	0	0	0	0
20	0	0	0	0.2	0.1	0	0	0	0	0	0	0
21	0	0	0	0.2	0.1	0	0	0	0	0	0	0
22	0	0	0	0.1	0.1	0	0	0	0	0	0	0
23	0	0	0	0.1	0.1	0	0	0	0	0	0	0
24	0	0	0	0.1	0	0	0	0	0	0	0	0
25	0	0	0	0.1	0.1	0	0	0	0	0	0	0
26	0	0	0	0.1	0.1	0	0	0	0	0	0	0
27	0	0	0	0.1	0.1	0	0	0	0	0	0	0
28	0	0	0	0.1	0.1	0	0	0	0	0	0	0
29	0	0	0	0.1	---	0	0	0	0	0	0	0
30	0	0	0	0.1	---	0	0	0	0	0	0	0
31	0	---	0	0.1	---	0	---	0	---	0	0	---
TOTAL	0.0	0.0	0.2	3.8	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ACRE FT	0	0	0	7	4	1	0	0	0	0	0	0

Data is provisional and subject to revision

Discharges are based on previous gage's rating curve. Values will be updated when a new curve is available.

# Coyote Creek, near Oak View

USGS #: 11117600  
 VCWPD #: 600  
 DATE INSTALLED: 10/1958  
 MAINTAINED BY: CMWD

LATITUDE: 34°25'01" N  
 LONGITUDE: 119°22'17" W  
 ELEVATION: 630 ft  
 DRAINAGE AREA: 13.1 sq mi

## WATER YEAR OCTOBER 2014 TO SEPTEMBER 2015

Daily Mean Discharge, cubic feet per second

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2	0	0	0.8	0.8	0.7	0.1	0	0	0	0	0
2	2	0	3.0	0.8	0.8	0.7	0.1	0	0	0	0	0
3	1	0	1.9	0.8	0.8	0.5	0.1	0	0	0	0	0
4	1	0	0.9	0.8	0.8	0.5	0.1	0	0	0	0	0
5	0	0	0.8	0.7	0.8	0.5	0.1	0	0	0	0	0
6	0	0	0.7	0.7	0.8	0.5	0.1	0.1	0	0	0	0
7	0	0	0.6	0.7	0.9	0.4	0.2	0.1	0	0	0	0
8	0	0	0.6	0.7	0.8	0.4	0.1	0.1	0	0	0	0
9	0	0	0.6	0.7	0.7	0.4	0.1	0.1	0	0	0	0
10	0	0	0.5	0.8	0.7	0.4	0.1	0	0	0	0	0
11	0	0	0.5	2	2	0.4	0.1	0	0	0	0	0
12	0	0	13	1	2	0.4	0.1	0	0	0	0	0
13	0	0	2	1	2	0.4	0.1	0	0	0	0	0
14	0	0	1	1	2	0.3	0.1	0	0	0	0	0
15	0	0	1	1	2	0.3	0.1	0.1	0	0	0	0
16	0	0	1	1	2	0.3	0.1	0.1	0	0	0	0
17	0	0	1	0.9	1	0.3	0	0	0	0	0	0
18	0	0	1	0.9	1	0.3	0	0	0	0	0	0
19	0	0	1	0.9	1	0.3	0.1	0	0	0	0	0
20	0	0	0.9	0.9	1	0.3	0.1	0	0	0	0	0
21	0	0	0.8	0.9	1	0.3	0.1	0	0	0	0	0
22	0	0	0.8	0.9	1	0.3	0.1	0	0	0	0	0
23	0	0	0.8	0.8	0.9	0.2	0.1	0	0	0	0	0
24	0	0	0.8	0.8	0.8	0.2	0.1	0	0	0	0.1	0
25	0	0	0.7	0.8	0.8	0.2	0.1	0	0	0	0.1	0
26	0	0	0.8	0.8	0.8	0.2	0.1	0	0	0	0	0
27	0	0	0.8	0.8	0.7	0.2	0	0	0	0	0	0
28	0	0	0.8	0.8	0.7	0.1	0	0	0	0	0	0
29	0	0	0.8	0.8	---	0.1	0	0	0	0	0	0
30	0	0	0.8	0.8	---	0.1	0	0	0	0	0	0
31	0	---	0.8	0.9	---	0.1	---	0	---	0	0	---
TOTAL	5.0	0.0	42.0	27.5	30.7	10.2	2.5	0.6	0.0	0.0	0.3	0.0
MEAN	0.2	0.0	1.4	0.9	1.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0
MAX	1.9	0.0	12.9	1.9	1.8	0.7	0.2	0.1	0.0	0.0	0.1	0.0
MIN	0.0	0.0	0.0	0.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0
ACRE FT	10	0	83	55	61	20	5	1	0	0	1	0

*Data is provisional and subject to revision  
 Sedimentation of gaging site and biofouling in bubbler line; estimated daily data.*

# **HISTORICAL HYDROLOGY DATA**

## **Casitas Reservoir Inventory Annual Summary**

- Calendar Year 1959 – Present

## **Annual Rainfall (Water Year 1959 – Present):**

- Matilija Dam
- Lake Casitas (upper) Recreation Area
- Casitas Dam

## **Monthly Rainfall (Water Year 1960 – Present):**

- Lake Casitas (upper) Recreation Area

## **Ambient Air Temperatures (Calendar Year 1960 – Present):**

- Lake Casitas (upper) Recreation Area
- Casitas Dam

## **Robles – Casitas Canal Monthly Diversions**

- Calendar Year 1959 – Present

**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	18.80	16.91	22.78	19.50
96-97	24.37	25.27	27.80	25.81
97-98	<b>59.54</b>	<b>58.78</b>	64.27	<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
10-11	35.99	34.04	40.28	36.77
11-12	15.11	13.18	14.21	14.17
12-13	10.99	10.11	11.85	10.98
13-14	9.90	9.52	14.76	11.39
14-15	11.65	10.06	17.57	13.09
AVERAGE	23.70	22.86	28.32	24.96
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)

W. YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1959/1960	0	0	1.25	5.40	4.29	0.78	2.98	0	0	0	0	0	14.70
1961	0	5.08	0.48	1.90	0	0.63	0.23	0.06	0	0	0	0.04	8.42
1962	0	5.47	1.78	2.56	22.65	1.45	0	0.05	0	0	0	0	33.96
1963	0.49	0.01	0.05	1.35	6.85	3.59	2.61	0.39	0.51	0	0	1.69	17.54
1964	0.48	4.57	0	2.53	0	1.84	2.17	0.11	0.13	0	0.21	0	12.04
1965	0.84	3.39	8.33	0.67	0.38	1.59	7.29	0.01	0.01	0	0	0.26	22.77
1966	0	14.19	7.07	2.51	1.11	0.04	0	0.10	0	0	0	0.21	25.23
1967	0.02	4.80	9.71	7.80	0.27	3.53	5.82	0	0	0	0	0.35	32.30
1968	0	5.03	1.15	1.53	1.51	4.76	1.13	0	0	0	0	0	15.11
1969	1.23	0.91	2.62	26.58	12.81	1.26	2.01	0.01	0	0.12	0	0	47.55
1969/1970	0	3.52	0.19	3.68	3.70	5.43	0	0	0	0	0	0	16.52
1971	0	6.36	6.94	1.51	0	0.71	0.55	0.03	0	0	0	0	16.10
1972	0.15	0.62	11.02	0.33	0.58	0	0.16	0	0.02	0	0	0.14	13.02
1973	0.13	6.75	1.20	9.14	14.17	3.16	0	0	0	0	0	0	34.55
1974	0.65	1.94	1.43	9.40	0	4.82	0.09	0	0	0	0	0	18.33
1975	0.67	0.12	10.26	0	4.96	6.50	1.54	0	0	0	0	0	24.05
1976	0.23	0	0.13	0	6.43	2.10	0.71	0	0.25	0	0.06	7.32	17.23
1977	0.01	0.63	0.71	4.96	0.25	2.27	0	2.76	0	0	0.39	0	11.98
1978	0.02	0.09	6.57	11.35	13.04	14.71	2.53	0	0	0	0	1.35	49.66
1979	0	2.57	2.48	6.00	5.90	7.83	0	0	0	0	0	0.86	25.64
1979/1980	0.64	0.95	1.96	9.56	16.93	4.04	0.75	0.32	0	0	0	0	35.15
1981	0	0	2.21	4.59	2.15	7.45	0.59	0	0	0	0	0	16.99
1982	0.67	2.64	0.78	4.20	0.90	6.85	2.81	0	0	0	0	1.49	20.34
1983	0.71	5.87	4.60	12.59	8.48	9.13	4.86	0.18	0	0	1.18	0.62	48.22
1984	4.88	5.57	5.14	0.09	0	0.55	0.05	0	0	0	0.08	1.06	17.42
1985	0.41	4.21	6.91	1.42	1.71	1.62	0.02	0	0	0	0	0	16.30
1986	0.55	6.28	1.15	3.97	11.09	6.26	1.74	0	0	0	0	1.25	32.29
1987	0	1.66	0.49	2.16	2.06	3.32	0.12	0	0.03	0	0	0	9.84
1988	1.52	1.14	4.10	3.53	2.63	1.75	3.08	0	0	0	0	0.07	17.82
1989	0	1.18	3.91	0.48	4.74	0.87	0.34	0.22	0	0	0	0.11	11.85
1989/1990	0.61	0.47	0	3.67	2.92	0.01	0.18	0.93	0.03	0	0	0.04	8.86
1991	0	0.36	0	2.03	3.85	17.19	0	0	0.16	0	0	0	23.59
1992	0.62	0.25	4.52	2.90	13.83	5.79	0.05	0.32	0	0.25	0	0	28.53
1993	1.53	0	7.58	14.97	11.88	6.22	0	0.19	0.94	0	0	0	43.31
1994	0.08	1.27	1.69	0.69	8.14	2.02	0.48	0.27	0	0	0	0.05	14.69
1995	0.69	1.48	0.96	27.61	2.29	14.03	0.29	1.29	0.40	0	0	0	49.04
1996	0.11	2.49	1.92	9.37	1.54	1.03	0.45	0	0	0	0	0	16.91
1997	4.06	2.92	7.99	10.21	0.09	0	0	0	0	0	0	0	25.27
1998	0	3.59	8.32	4.59	30.12	6.54	2.19	3.21	0.06	0	0	0.16	58.78
1999	0	1.27	0.84	2.74	0.81	2.38	2.19	0	0.17	0	0	0.27	10.67
1999/2000	0	1.00	0	2.34	11.96	3.24	3.28	0	0	0	0	0.12	21.94
2001	2.75	0	0.03	8.48	7.02	8.02	1.56	0	0	0	0	0	27.86
2002	0.41	4.37	1.60	1.10	0.36	0.53	0.08	0.23	0	0	0	0.02	8.70
2003	0	5.63	5.10	0	3.97	4.98	1.27	2.74	0	0	0	0	23.69
2004	0.05	2.68	2.13	0.79	8.08	0.60	0	0	0	0	0	0	14.33
2005	7.09	0.02	10.37	17.30	10.22	4.47	0.90	0.60	0	0	0	0.31	51.28
2006	0.97	0.87	0.79	4.93	3.73	4.87	8.21	1.47	0	0	0	0	25.84
2007	0.22	0.10	1.03	2.68	1.66	0.10	1.01	0	0	0	0	0.35	7.15
2008	0.46	0.04	3.40	17.93	2.49	0	0.09	0.06	0	0	0.11	0	24.58
2009	0.16	3.19	2.64	0.43	5.43	0.84	0.19	0	0	0	0	0	12.88
2009/2010	6.91	0	4.33	8.71	5.47	0.37	2.39	0.30	0	0	0	0	28.48
2011	2.14	1.91	13.09	0.90	5.32	9.42	0.11	0.94	0.21	0	0	0	34.04
2012	1.69	2.64	0.30	1.22	0.27	3.89	3.16	0	0	0	0	0.01	13.18
2013	0.15	3.74	3.15	1.91	0.10	0.81	0.25	0	0	0	0	0	10.11
2014	0.03	0.77	0.44	0	4.31	3.49	0.42	0	0	0	0.06	0	9.52
2015	0	0.96	5.41	1.44	0.82	0.25	0.20	0.30	0.14	0.32	0	0.22	10.06
AVG	0.80	2.46	3.43	5.19	5.29	3.75	1.31	0.31	0.05	0.01	0.04	0.33	22.97
MAX	7.09	14.19	13.09	27.61	30.12	17.19	8.21	3.21	0.94	0.32	1.18	7.32	58.78
MIN	0	0	0	0	0	0	0	0	0	0	0	0	7.15

Rainfall in inches, water year October 1 through September 30

g:\enr.wks\hydrolody\rainfalls\summaries\MonthlyRainFrom1960



# CASITAS RESERVOIR INVENTORY ANNUAL SUMMARY

(CALENDAR YEAR - ALL VALUES IN ACRE-FEET)

YEAR	RESERVOIR DATA (START OF YEAR- Last Day of Previous Month)		INFLOW FOR YEAR			RELEASES FOR YEAR			SPILL FOR YEAR	EVAP FOR YEAR	RAINFALL ON LAKE SURFACE	STORAGE VOLUME	
	ELEVATION ABOVE MSL	STORAGE	DIRECT	VENTURA RIVER DIVERSION	TOTAL	TO CONV. SYSTEM	DOWN RIVER	TOTAL				MAXIMUM FOR YEAR	MINIMUM FOR YEAR
1959	350.00	-	2,305	5,105	7,410	586	72	658	-	728	59	7,022	574
1960	366.66	5,908	1,322	24	1,346	1,277	80	1,357	-	1,068	372	6,846	5,201
1961	363.28	5,201	967	33	1,000	1,625	18	1,643	-	819	133	5,201	3,642
1962	355.46	3,870	26,428	21,915	48,343	1,988	55	2,043	-	3,505	1,014	51,977	3,845
1963	477.88	47,679	2,114	2,939	5,053	4,445	72	4,517	-	3,498	1,664	51,524	46,381
1964	446.13	46,381	1,841	354	2,195	6,024	72	6,096	-	3,406	1,293	46,381	38,606
1965	438.57	40,373	15,279	21,438	36,717	7,631	72	7,703	-	2,957	2,421	68,851	39,718
1966	469.42	68,851	11,941	25,323	37,264	7,162	73	7,235	-	5,030	1,915	95,765	70,068
1967	490.62	95,765	12,961	35,172	48,133	8,759	72	8,831	-	6,214	3,840	138,996	108,511
1968	513.22	132,333	1,677	1,070	2,747	13,729	74	13,803	-	6,593	2,133	132,549	116,818
1969	504.25	116,818	55,379	50,349	105,728	14,040	73	14,113	-	8,413	7,625	216,790	116,418
1970	548.94	207,694	7,112	15,859	22,971	16,417	72	16,489	-	9,841	5,395	217,656	207,214
1971	549.78	207,729	3,758	10,957	14,715	16,392	24	16,416	-	9,552	3,433	214,692	193,686
1972	546.52	201,908	813	1,718	2,531	17,878	73	17,951	-	8,758	1,706	202,690	179,435
1973	536.70	179,435	22,262	39,588	61,850	13,963	33	13,996	-	8,937	4,520	239,330	224,519
1974	555.75	224,519	5,240	11,732	16,972	17,400	23	17,423	-	9,394	5,423	238,096	217,063
1975	553.99	220,096	5,352	12,988	18,340	15,937	73	16,010	-	8,870	2,813	235,437	216,370
1976	552.49	216,370	3,031	3,438	6,469	18,371	104	18,475	-	9,142	3,782	219,324	198,885
1977	545.29	199,003	1,590	1,094	2,684	18,035	70	18,105	-	8,821	3,352	200,062	175,359
1978	536.10	178,113	49,376	28,695	78,071	12,390	2,677	15,067	1,572	9,622	9,879	255,307	178,025
1979	561.68	239,802	7,584	8,845	16,429	13,072	32	13,104	1,193	9,963	5,395	255,116	237,183
1980	560.75	237,365	28,923	2,717	31,640	16,283	73	16,356	16,855	9,900	7,393	260,034	233,286
1981	559.18	233,286	3,112	5,772	8,884	20,242	73	20,315	-	9,412	4,002	240,222	216,395
1982	552.52	216,444	5,206	9,933	15,139	14,739	73	14,812	-	8,339	5,645	223,208	206,564
1983	551.56	214,078	44,548	22,131	66,679	15,757	73	15,830	17,877	8,844	11,699	259,264	213,562
1984	565.49	249,931	2,878	2,087	4,965	23,007	73	23,080	-	10,637	2,924	249,958	220,748
1985	555.15	223,006	4,220	3,014	7,234	20,219	73	20,292	-	9,149	2,637	223,208	196,404
1986	545.97	200,605	18,711	39,316	58,027	17,797	73	17,870	742	9,700	5,589	254,926	200,558
1987	560.16	235,828	-988	1,614	626	21,775	73	21,848	-	9,117	3,142	236,063	208,711
1988	549.35	208,687	1,431	9,154	10,585	21,974	73	22,047	-	9,005	3,715	216,543	191,890
1989	542.25	191,936	1,086	524	1,610	26,180	73	26,253	-	9,010	1,399	192,259	159,729
1990	527.43	159,688	-1,115	-	-1,115	21,494	73	21,567	-	8,353	1,447	159,688	130,141
1991	511.99	130,141	12,114	17,620	29,734	15,416	73	15,489	-	7,481	4,496	156,765	127,786
1992	518.58	142,203	20,483	44,202	64,685	12,042	73	12,114	-	8,704	5,620	201,197	142,203
1993	542.12	191,637	43,435	34,685	78,120	11,990	73	12,063	13,395	10,054	7,849	258,362	191,637
1994	562.58	242,177	1,806	3,504	5,310	16,345	73	16,418	-	10,347	3,458	245,810	224,141
1995	555.60	224,141	52,239	1,323	53,562	11,621	72	11,693	27,499	10,287	10,895	262,625	239,122
1996	561.42	239,122	6,883	5,371	12,254	15,902	23	15,925	-	10,489	6,897	244,346	224,898
1997	558.63	231,866	11,745	11,896	23,641	20,482	-	20,482	-	11,062	4,304	248,616	223,132
1998	557.06	227,839	51,727	6,338	58,065	13,411	-	13,411	34,907	9,503	12,632	267,542	227,743
1999	561.85	240,250	1,313	-	1,313	20,121	-	20,121	-	10,224	2,295	240,205	213,513
2000	551.33	213,513	13,541	4,483	18,024	21,506	-	21,506	-	9,801	5,134	227,132	205,434
2001	548.00	205,434	21,919	15,527	37,446	17,809	-	17,809	-	8,379	6,693	242,359	204,837
2002	555.24	223,233	-403	-	-403	22,092	-	22,092	-	8,286	2,718	223,183	194,359
2003	543.65	195,172	3,429	1,571	5,000	16,571	-	16,571	-	7,985	3,583	197,199	178,563
2004	536.62	179,219	9,006	2,853	11,859	20,214	-	20,214	-	7,783	4,897	182,113	157,595
2005	531.47	167,988	53,115	26,906	80,021	17,673	-	17,673	-	7,242	7,798	250,736	169,160
2006	558.25	230,891	9,382	12,070	21,452	17,253	-	17,253	-	7,649	5,534	252,651	231,585
2007	559.06	232,975	-1,450	-	-1,450	21,326	-	21,326	-	8,571	2,253	232,950	203,810
2008	547.35	203,882	15,470	9,916	25,386	18,325	-	18,325	-	8,753	5,538	231,071	203,595
2009	548.89	207,574	-580	504	-76	17,259	-	17,259	-	8,025	3,646	207,719	185,543
2010	539.59	185,881	12,419	10,915	23,334	14,637	-	14,637	-	6,898	7,051	199,945	182,049
2011	543.46	194,731	11,054	17,847	28,901	14,841	-	14,841	-	7,576	4,267	221,751	194,731
2012	548.02	205,482	-837	87	-750	16,244	-	16,244	-	8,263	3,165	205,482	183,746
2013	538.48	183,389	-1,649	-	-1,649	20,402	-	20,402	-	7,858	1,021	183,389	154,501
2014	524.88	154,501	217	1,018	1,235	18,811	-	18,811	-	7,678	2,353	154,501	131,511
2015	512.81	131,600	-1,810	-	-1,810	17,246	-	17,246	-	6,162	736	131,600	107,119
2016	498.22	107,119											
AVG:	524.96	174,149	12,121	10,939	23,060	15,371	90	15,460	2,001	7,924	4,256	194,460	165,927
MAX:	565.49	249,931	55,379	50,349	105,728	26,180	2,677	26,253	34,907	11,062	12,632	267,542	239,122
MIN:	350.00	-	-1,810	0	-1,810	586	0	658	0	728	59	5,201	574

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

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

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

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

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

## ROBLES-CASITAS CANAL MONTHLY DIVERSIONS

YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		TOTAL		Avg. Rain	
	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.		
1959	26	374	21	3645	23	928	3	158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	5105	12.89
1960	0	0	2	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	24	14.98
1961	1	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	23	2	32	10.14	
1962	0	0	20	13564	31	6882	30	1438	5	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	21915	36.97
1963	0	0	23	2043	11	896	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	2939	18.77
1964	2	10	0	0	0	0	1	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	176	5	354	13.93	
1965	0	0	0	0	0	0	29	4955	4	79	0	0	0	0	0	0	0	0	0	0	14	11676	28	4729	75	21439	22.95	
1966	31	11440	28	3754	12	418	0	0	0	0	0	0	0	0	0	0	0	0	3	821	2	108	28	8782	104	25323	26.92	
1967	20	6284	16	1170	23	5023	30	10488	31	8909	30	1571	15	478	0	0	0	0	4	454	9	291	18	504	196	35172	37.17	
1968	0	0	1	16	24	339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	715	0	0	29	1070	16.08	
1969	7	4924	20	11902	31	16623	30	8654	31	2685	30	1507	31	2710	5	360	0	0	0	0	5	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	4	620	0	0	1	5	0	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	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	1138	20	1430	4	218	11	536	0	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	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	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	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	15.68	
1995	3	1323	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	0	11	6338	60.86	
1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11.97
2000	0	0	4	1459	10	3023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	4482	24.36	
2001	2	451	13	2140	28	11786	14	1039	1	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	15527	30.22	
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.38
2003	0	0	0	0	5	982	5	264	5	325	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	7	1843	10	2853	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	0	83	26906	60.13	
2006	7	444	1	246	22	1283	30	8525	31	1593	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	12091	28.98	
2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.33
2008	16	4137	29	4707	31	1083	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	9927	28.13	
2009	0	0	11	365	3	127	0	0	0	0	0	0	0	0	0	0	0	0	1	7	0	0	1	6	16	506	14.76	
2010	13	3461	28	1954	31	685	18	368	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	4459	103	10926	32.05	
2011	31	1739	26	714	31	8151	30	5548	31	1546	13	149	0	0	0	0	0	0	0	0	0	0	0	0	162	17847	36.77	
2012	0	0	0	0	1	12	2	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	87	14.17	
2013	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	10.98
2014	0	0	1	307	3	649	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	62	6	1018	11.39	
2015	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	13.09
AVG	7	2011	10	2835	11	2857	7	1238	5	464	3	169	1	124	0	19	0	37	0	22	1	321	4	842	51	10940	24.96	
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

CASITAS MUNICIPAL WATER DISTRICT  
Minutes

DATE: February 16, 2016  
TO: Board of Directors  
FROM: General Manager, Steve Wickstrum

Re: Executive Committee Meeting of February 12, 2016

**RECOMMENDATION:**

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

**MEETING:**

1. **Roll Call.** Directors Peter Kaiser and Russ Baggerly  
Steve Wickstrum, General Manager

2. **Public Comments.** None.

3. **Board/Manager comments.**

The General Manager informed the Committee of the following:

- a) The AWA Issues Committee will meet on 2/16/2016 to discuss the Calleguas plan to bring ocean desalination to Ventura County;
- b) Introductory discussion on State Water, Multi-year Program, and options for Casitas' entitlement to State Water;
- c) Notice from Reeves Road neighbor wanting to perform an independent noise test;
- d) El Nino rainfall has been less than expected to date. There is a need to review the District's Water Efficiency and Allocation Program and be prepared to act if the current trend continues.

Director Baggerly asked that staff arrange harassment prevention training for Directors. This request will be referred to the Clerk of the Board to arrange such training with other local agencies.

4. **Discussion regarding the request from AWA for increased sponsorship as they celebrate their 40 years of collaboration with the water community.**

The Committee discussed the request and considered increasing sponsorship levels for the Annual Water Symposium and the Annual Policymaker Reception. The increase in sponsorship would be in effect an annual \$3,000 increase over the current \$8,000 membership and sponsorship fees. Director Kaiser asked for additional information, a need to look at their books to determine if the increase is justifiable.

5. **Notice of Association of California Water Agencies Spring Conference being held May 3-6 in Monterey, California.**

Early notice is given regarding the conference and suggested that interested Directors be so informed. This item will be posted in the Board agenda as information.

**CASITAS MUNICIPAL WATER DISTRICT**

**MINUTES**  
**Finance Committee**

DATE: February 19, 2016  
TO: Board of Directors  
FROM: General Manager, Steve Wickstrum  
Re: Finance Committee Meeting of February 19, 2016, at 0930 hours

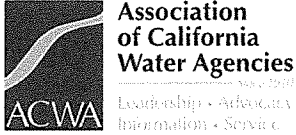
**RECOMMENDATION:**

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

**BACKGROUND AND OVERVIEW:**

1. **Roll Call.**  
Director Peter Kaiser and Director Mary Bergen  
General Manager, Steve Wickstrum  
Accounting Manager/Treasurer, Denise Collin  
Assistant to the General Manager/Clerk of the Board, Rebekah Vieira
2. **Public Comments.** None.
3. **Board/Management comments.** None.
4. **Review of the Financial Statement for December 2015.**  
The Committee reviewed the financial statement. The Committee reviewed the status of the budgeted capital projects.
5. **Review of the Water Consumption for December 2015.**  
The Committee reviewed the water consumption numbers for November 2015. There is a notable reduction in water use due to customer conservation efforts in every classification.
6. **Discussion regarding Water Rates.**  
The Committee discussed the new start at preparing for water rates, the objectives for the water rate development, and alternative rate structures that are to be considered by the Committee. The General Manager will be proceeding through department budgets for FY 2016-17 in the next week and initial rate structures will be brought forward to the Committee in March.
7. **Results of the vehicle bid for a Ford Escape with Perry Ford being the lowest bidder at a cost of \$21,186.**  
The Committee was informed of the bids received for a Ford Escape. The item will be moved forward to the Board for consideration of approving the purchase.
8. **Discussion regarding information and options received from our Insurance Broker.**  
Rebekah Vieira reported to the Committee that she is working on receiving estimates of costs from the District's insurance Broker. A number of new items may be considered by the Committee and Board at a later date when more information is received.

# PRICING REFERENCE SHEET



## ACWA 2016 Spring Conference & Exhibition REGISTRATION, MEALS & HOTEL PRICING

Monterey Marriott & Portola Hotel

MAY  
3-6  
2016

Register online @ [acwa.com](http://acwa.com)

Regular registration and cancellation deadline is April 8, 2016 - 4:30 p.m. (PST)

**NEED TO REGISTER ON SOMEONE ELSE'S BEHALF? YOU CAN NOW SIGN-IN AS YOURSELF** - After you've logged-in, you can select from a list of people affiliated with your company and proceed to register him/her for the event. If the registrant is not listed, you will have the opportunity to create a Portal profile for him/her before registering.

REGISTRATION FEES & OPTIONS	REGULAR	ONSITE
<b>Advantage</b> (For ACWA public agency members, affiliates & associates ONLY)	(ends 4/8/16)	
Full Conference Registration & Meals Package .....	\$695	Not Avail.
Full Conference Registration Only (meals sold separately) .....	\$535	\$560
One-Day Conference Registration (meals sold separately): Wednesday 5/4 -OR- Thursday 5/5 .....	\$300	\$325
<i>Wednesday registration includes Welcome Reception on Tuesday evening.</i>		
<i>Thursday registration includes ability to purchase a ticket for Friday breakfast.</i>		
<b>Standard</b> (Applies to non-members of ACWA)		
Full Conference Registration Only (meals sold separately) .....	\$805	\$830
One-Day Conference Registration (meals sold separately): Wednesday 5/4 -OR- Thursday 5/5 .....	\$450	\$475
<i>Wednesday registration includes Welcome Reception on Tuesday evening.</i>		
<i>Thursday registration includes ability to purchase a ticket for Friday breakfast.</i>		
<b>Guest</b> (Guest registration is not available to anyone with a professional reason to attend.)		
Guest Conference Registration (meals sold separately) .....	\$45	\$45
MEAL FUNCTIONS	REGULAR	ONSITE
<b>Wednesday – May 4</b>		
Opening Breakfast .....	\$45	\$50
Wednesday Luncheon .....	\$50	\$55
<b>Thursday – May 5</b>		
Networking Continental Breakfast .....	\$35	\$40
Thursday Luncheon .....	\$50	\$55
Thursday Dinner .....	\$65	\$70
<b>Friday – May 6</b>		
Friday Breakfast .....	\$45	\$50

### HOTEL INFORMATION *Reservations will not be accepted until February 22, 2016.*

**You must be registered for the ACWA conference in order to receive hotel reservation information and conference special room rate. Conference special rate is available February 22 – April 11, based on availability.**

#### Special Hotel Rates

**Monterey Marriott Hotel** ..... Single/Double \$205  
Subject to 14.345% tax + \$2.00 tourism fee (per room per night)

**Portola Hotel Monterey** ..... Single/Double \$203  
Subject to 14.345% tax + \$2.00 tourism fee (per room per night)

**Hotel Pacific** ..... Single/Double \$240  
Subject to 14.345% tax + \$1.00 tourism fee (per room per night). Hotel rate includes breakfast.

#### Important Dates:

For those **registering for conference prior to February 22**, hotel information will be provided via e-mail on February 22.

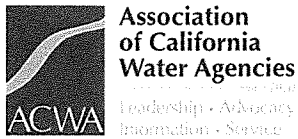
For those **registering for conference from February 22 to April 11**, your confirmation e-mail will include hotel reservation information and an opportunity to receive a conference special hotel rate.

#### Hotel Reservation Questions?

Call each hotel directly.

**Questions?** Contact us at 916.441.4545, toll free 888.666.2292. Conference terms and conditions available at [acwa.com](http://acwa.com) in the event section.

INTEREST BY BOARD/MGT  
- REGISTER EARLY -



# ACWA 2016 Spring Conference & Exhibition PRELIMINARY AGENDA

Monterey Marriott & Portola Hotel

MAY  
3-6  
2016

## ACWA/JPIA - MONDAY, MAY 2

### 8:30 – 10:00 AM

- Employee Benefits Program Committee Meeting

### 10:15 – 11:15 AM

- ACWA/JPIA Executive Committee

### 1:30 – 4:00 PM

- ACWA/JPIA Board of Directors

### 4:00 – 5:00 PM

- ACWA/JPIA Town Hall

### 5:00 – 6:00 PM

- ACWA/JPIA Reception

## TUESDAY, MAY 3

### 8:00 AM – 6:00 PM

- Registration

### 8:30 AM – 3:00 PM

- ACWA/JPIA: Seminars

### 10:00 – 11:45 AM

- Groundwater Committee
- Water Quality Committee

### 11:00 AM – Noon

- Outreach Task Force

### Noon – 2:00 PM

- ACWA 101 & Luncheon
- Committee Lunch Break

### 1:00 – 2:45 PM

- Energy Committee
- Finance Committee
- Scholarship & Awards Subcommittee
- Water Management Committee

### 2:00 – 4:00 PM

- SDFL Special District Administrator Certification Test

### 1:30 – 3:30 PM

- ACWA/JPIA: Sexual Harassment Prevention for Board Members & Managers (AB 1825)

### 3:00 – 4:45 PM

- Communications Committee
- Federal Affairs Committee
- Local Government Committee
- Membership Committee

### 5:00 – 6:30 PM

- Welcome Reception in the Exhibit Hall

## WEDNESDAY, MAY 4

### 7:30 AM – 5 PM

- Registration

### 8:00 – 9:45 AM

- Opening Breakfast *(Ticket Required)*

### 9:00 AM – Noon & 1:30 – 5:00 PM

- Exhibit Hall

### 10:00 – 11:30 AM

- Attorneys Program
- Energy Committee Program
- Exhibitor Technical Presentations
- Finance Program
- Region Issue Forum
- Statewide Issue Forum

### 11:30 – 11:45 AM

- Prize Drawing in the Exhibit Hall

### 11:45 AM – 1:45 PM

- General Session & Luncheon *(Ticket Required)*

### 2:00 – 3:15 PM

- Aquatic Resources Subcommittee
- Attorneys Program
- Exhibitor Technical Presentation
- Region Program
- Statewide Issue Forum
- Water Industry Trends Program

### 3:30 – 4:45 PM

- Communications Committee Program
- Energy Committee Program
- Exhibitor Technical Presentation
- Finance Program
- Statewide Issue Forum
- Water Industry Trends Program

### 4:00 – 6:00 PM

- Legal Affairs Committee

### 5:30 – 7:00 PM

- CH2M Hosted Reception

## THURSDAY, MAY 5

### 7:30 AM – 4 PM

- Registration

### 8:00 AM – Noon

- Exhibit Hall

### 8:00 – 9:15 AM

- Networking Continental Breakfast *(Ticket Required)*

### 9:30 – 11:00 AM

- Attorneys Program
- Exhibitor Technical Presentations
- Finance Program
- Region Issue Forum
- Statewide Issue Forum
- Water Industry Trends Program

### 9:30 – 11:45 AM

- Ethics Training (AB 1234) - *Limited Seating*

### 11:00 – 11:30 AM

- Prize Drawings in the Exhibit Hall

### 11:45 AM – 1:45 PM

- General Session & Luncheon *(Ticket Required)*

### 2:00 – 3:15 PM

- Attorneys Program
- Exhibitor Technical Presentations
- Federal Issues Forum
- Town Hall
- Water Industry Trends Program

### 3:30 – 5 PM

- Regions 1 – 10 Membership Meetings

### 5:30 – 6:30 PM

- New Water Professionals No-Host Reception

### 7:00 – 9:30 PM

- Dinner & Entertainment *(Ticket Required)*

## FRIDAY, MAY 6

### 8:00 – 9:30 AM

- Registration

### 8:30 – 10:00 AM

- ACWA's Hans Doe Past Presidents' Breakfast in Partnership with ACWA/JPIA *(Ticket Required)*

## OTHER EVENTS

### THURSDAY, MAY 5

#### 6:45 – 8:30 AM

- San Joaquin Valley Agricultural Water Committee

All conference programs are subject to change.

Last modified: 1/22/16



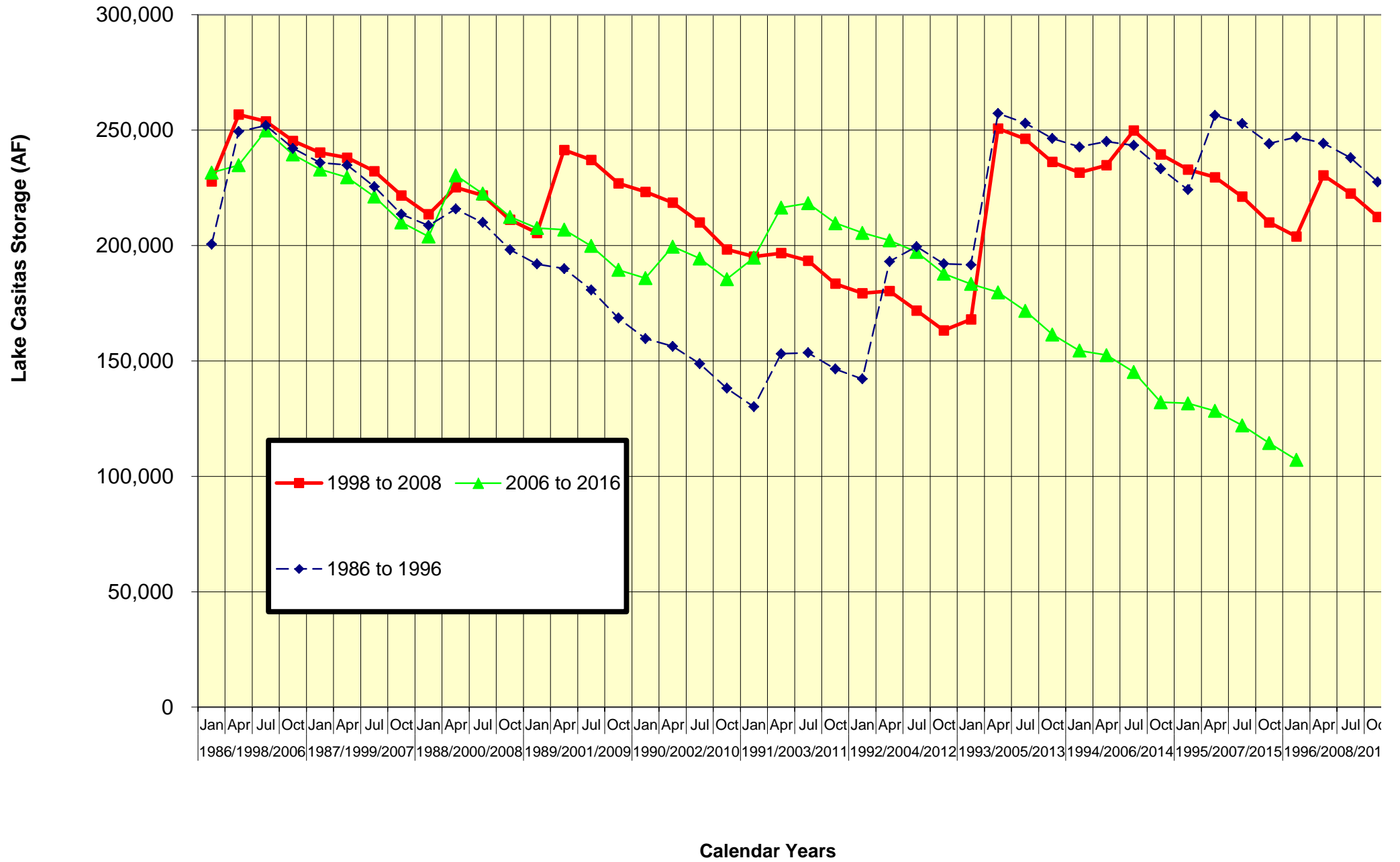
**CASITAS RESERVOIR WATER INVENTORY SUMMARY**  
**CALENDAR YEAR 2015**

(All Volumes in Acre-feet)

MONTH	RESERVOIR (last day of previous month)		RESERVOIR INFLOW					RESERVOIR RELEASES		
	ELEV (ft)	STORAGE	DIRECT	VENTURA RIVER DIVERS'N	TOTAL	PRECIP	EVAP	TO MAIN SYSTEM	SPILL	CHANGE IN STORAGE
JAN	512.81	131600	-110	0	-110	264.29	189.39	605	0	-640
FEB	512.45	130960	55	0	55	117.42	286.44	793	0	-907
MAR	511.94	130053	149	0	149	52.18	517.30	1373	0	-1689
APR	510.98	128364	21	0	21	42.31	684.37	1426	0	-2047
MAY	509.81	126317	-57	0	-57	39.93	631.24	1461	0	-2108
JUN	508.60	124209	81	0	81	23.79	756.72	1508	0	-2160
JUL	507.35	122050	-86	0	-86	48.82	709.20	1571	0	-2317
AUG	505.99	119732	-129	0	-129	0.00	730.12	1889	0	-2748
SEP	504.35	116985	-132	0	-132	37.06	604.17	1857	0	-2557
OCT	502.80	114428	-463	0	-463	54.99	522.65	1760	0	-2691
NOV	501.14	111737	-659	0	-659	5.99	336.42	1528	0	-2517
DEC	499.56	109220	-493	0	-493	49.67	182.16	1476	0	-2101
(JAN)	498.22	107119	NA	NA	NA	NA	NA	NA	NA	NA
<b>TOTAL</b>			<b>-1821</b>	<b>0</b>	<b>-1821</b>	<b>736</b>	<b>6150</b>	<b>17246</b>	<b>0</b>	<b>-24481</b>

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

Figure 1 - Lake Casitas Storage Volume Comparison



September 30, 2015  
 Lake Storage @ 114,428 AF = 45.05%  
 Full Lake storage = 254,002 AF

**CASITAS MUNICIPAL WATER DISTRICT  
TREASURER'S MONTHLY REPORT OF INVESTMENTS  
02/17/16**

Type of Invest	Institution	CUSIP	Date of Maturity	Adjusted Cost	Current Mkt Value	Rate of Interest	Date of Deposit	% of Portfolio	Days to Maturity
*TB	Federal Farm CR Bank	3133EAZM3	07/24/2023	\$1,658,682	\$1,722,431	2.380%	09/16/2014	8.89%	2677
*TB	Federal Farm CR Bank	3133EEXPO	01/28/2021	\$735,748	\$735,000	1.990%	06/17/2015	3.79%	1781
*TB	Federal Farm CR Bank	3133EFNR4	11/18/2024	\$809,257	\$802,644	2.870%	11/18/2015	4.14%	3151
*TB	Federal Farm CR Bank	33133EFHV2	10/13/2022	\$588,602	\$581,433	2.200%	10/23/2015	3.00%	2396
*TB	Federal Farm CR Bank	3133EED31	04/28/2025	\$2,989,322	\$2,968,801	2.800%	06/02/2015	3.79%	3311
*TB	Federal Home Loan Bank	313381TA3	01/17/2023	\$277,619	\$285,003	2.240%	09/08/2014	1.47%	2490
*TB	Federal Home Loan Bank	313379EE5	06/14/2019	\$1,371,951	\$1,370,723	1.625%	10/03/2012	7.07%	1197
*TB	Federal Home Loan Bank	3133802D8	11/23/2022	\$1,477,575	\$1,476,209	2.400%	11/19/2014	7.62%	2436
*TB	Federal Home Loan Bank	313379RN1	12/27/2024	\$978,364	\$995,030	2.840%	06/18/2014	5.13%	3190
*TB	Federal Home Loan Bank	313380A98	08/14/2024	\$126,966	\$132,001	2.500%	07/03/2014	0.68%	3057
*TB	Federal Home Loan Bank	313380S73	10/11/2022	\$378,227	\$378,473	2.430%	08/11/2014	1.95%	2394
*TB	Federal Home Loan Bank	3133XFKF2	06/11/2021	\$678,360	\$670,751	5.625%	01/16/2013	3.46%	1914
*TB	Federal Home Loan MTG Corp	3134G43A4	10/30/2024	\$849,441	\$885,168	2.500%	07/03/2014	4.57%	3133
*TB	Federal Home Loan MTG Corp	3137EADB2	01/13/2022	\$678,707	\$694,046	2.375%	09/08/2014	3.58%	2126
*TB	Federal Home Loan MTG Corp	3134G34R8	07/23/2021	\$513,841	\$515,656	2.000%	12/02/2014	2.66%	1956
*TB	Federal Home Loan MTG Corp	3137EABA60	11/17/2017	\$1,064,573	\$1,075,610	5.125%	01/03/2012	5.55%	630
*TB	Federal National Assn	3136G0K67	04/09/2021	\$192,000	\$192,342	2.000%	12/02/2014	0.99%	1852
*TB	Federal National Assn	3135G0ES80	11/15/2016	\$685,218	\$686,763	1.375%	03/12/2012	3.54%	268
*TB	US Treasury Inflation Index NTS	912828JE10	07/15/2018	\$1,146,598	\$1,142,686	1.375%	07/06/2010	5.90%	868
*TB	US Treasury Inflation Index NTS	912828MF4	01/15/2020	\$1,131,369	\$1,150,791	1.375%	11/18/2015	5.94%	1408
*TB	US Treasury Note	912828WE6	11/15/2023	\$769,049	\$830,476	2.750%	12/13/2013	4.28%	2788
Accrued Interest					\$91,002				
<b>Total in Gov't Sec. (11-00-1055-00&amp;1065)</b>				<b>\$19,101,469</b>	<b>\$19,383,038</b>			<b>99.98%</b>	
<b>Total Certificates of Deposit: (11.13506)</b>				<b>\$0</b>	<b>\$0</b>			<b>0.00%</b>	
**	<b>LAIF as of: (11-00-1050-00)</b>		N/A	<b>\$448</b>	<b>\$448</b>	0.32%	Estimated	<b>0.00%</b>	
***	<b>COVI as of: (11-00-1060-00)</b>		N/A	<b>\$2,845</b>	<b>\$2,845</b>	0.42%	Estimated	<b>0.01%</b>	
<b>TOTAL FUNDS INVESTED</b>				<b>\$19,104,762</b>	<b>\$19,386,331</b>			<b>100.00%</b>	
Total Funds Invested last report				\$19,111,635	\$19,350				
Total Funds Invested 1 Yr. Ago				\$18,203,507	\$18,386,246				
****	<b>CASH IN BANK (11-00-1000-00) EST.</b>			<b>\$4,299,216</b>	<b>\$4,299,216</b>				
	<b>CASH IN Western Asset Money Market</b>			<b>\$45,139</b>	<b>\$45,139</b>	0.01%			
<b>TOTAL CASH &amp; INVESTMENTS</b>				<b>\$23,449,117</b>	<b>\$23,730,687</b>				
TOTAL CASH & INVESTMENTS 1 YR AGO				\$24,402,728	\$24,585,467				
*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.