Board Meeting Agenda

Revised 3/3/17 4:20 p.m.

Russ Baggerly, Director Mary Bergen, Director Bill Hicks. Director Pete Kaiser, Director James Word, Director

CASITAS MUNICIPAL WATER DISTRICT 1055 Ventura Ave. Oak View, CA 93022 Board Room March 8, 2017 3:00 P.M.

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.
- Consent Agenda
 - a. Minutes from February 22, 2017.
 - b. Recommend approval of a purchase order to a purchase order to Time Clock Plus in the amount of \$22,545.32 for Time Clock purchase and implementation for Seasonal and Part Time employees.
 - c. Recommend approval if a purchase order to ERS Industrial Services Inc. in the amount of \$48,698.25 for removal, cleaning and reinstallation of media in pressure filter #5.

RECOMMENDED ACTION: Adopt Consent Agenda

 Review of District Accounts Payable Report for the Period of 2/16/17 – 3/02/17.

RECOMMENDED ACTION: Motion approving report

7. Resolution adopting the Notice of Exemption for the Upper Rincon Main Replacement.

RECOMMENDED ACTION: Adopt Resolution

8. Resolution awarding a contract for the District Office Remodel Specification 17-392 to Staples Construction Inc. of Ventura in the amount of \$960,685.30.

RECOMMENDED ACTION: Adopt Resolution

9. Recommend approval of an agreement for Professional Services for the development of a computerized maintenance management system – authorize the General Manager to enter into an agreement for the sum not to exceed \$50,000.

RECOMMENDED ACTION: Motion approving recommendation

10. Request to proceed with the hiring of Park Ranger Personnel while also proceeding with parallel timing of the policy manual finalization.

RECOMMENDED ACTION: Motion approving recommendation

11. Recommend the Board of Directors set reserves.

RECOMMENDED ACTION: Motion approving recommendation

- 12. Information Items:
 - a. Lake Casitas Monthly Status Report for February, 2017.
 - b. February, 2017 Monthly Diversions.
 - c. Hydrology Report Water Year 2015 2016.
 - d. California Department of Water Resources press release regarding Invasive Mussel Veligers detected in the Santa Ana Pipeline.
 - e. Water Consumption Report.
 - f. CFD No. 2013-1 (Ojai) Monthly Cost Analysis.
 - g. Investment Report.

13. CLOSED SESSION

It is the intention of the Casitas Municipal Water District Board of Directors to meet in closed session to consider the following item:

a. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION Government Code 54956.9(d)(1): Casitas Municipal Water District v. Golden State Water Company, Ventura County Superior Court, Case No. 56-2016-00481628-CU-EI-VTA.

14. 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 22, 2017

A meeting of the Board of Directors was held February 22, 2017 at the Casitas Municipal Water District located at 1055 Ventura Ave. in Oak View, California. The meeting was called to order at 3:00 p.m. Directors Baggerly, Word, Hicks, Bergen and Kaiser were present. Also present were Steve Wickstrum, General Manager, Rebekah Vieira, Clerk of the Board, and Attorney, Robert Kwong. There were four staff members and six members of the public in attendance. President Baggerly led the group in the flag salute.

1. <u>Public Comments</u> (items not on the agenda – three minute limit).

Angelo Spandrio asked for an update on the HoBo project and asked that there be consideration to postpone the bathymetric study until after the rainy season to let the sediment settle down.

2. General Manager comments.

Mr. Wickstrum reported that on the HoBo project we are waiting for a schedule to be put together and will move forward with Ceqa. We are looking to put together something concise and complete to present to the Forest Service for their consideration of permitting. Mr. Wickstrum said we will look at the bathymetric study information and will work it out with the consultant.

Mr. Wickstrum then discussed the recent storm. Matilija Dam received over seven inches of rain and we had nice flows with a little over 10,000 cfs entering the facility that night. The canal was running and around 4:00 it was getting to be too muddy and we shut down the canal and opened it up at a slower pace. Our screens plugged almost instantly as there was higher sediment load in the water at that point. They cleaned up over the weekend meeting downstream flows and putting water in the canal. The turbidity is getting better. Director Kaiser said there were calls from the public as to why we were not diverting. Mr. Wickstrum explained that debris flow and stuff that clogs up the entire system and it would be shut down and cleaned up and then reopened. Trees were moving downstream on Friday. We increased Lake Casitas by about 10,000 acre feet. Approximately 30% is from the Robles Diversion. Coyote and Santa Ana are flowing nicely. We have risen about 8.5 feet in depth and gone up about 12,000 af since Thursday with 109,000 af of water in storage right now. Our crews worked 24/7 and we had no other issues except for one leak to the forest service. Director Kaiser asked that the board's appreciation be conveyed to staff. Mr. Wickstrum added that they performed very well and given it has been 10 years since we had this type of storm new personnel were instructed by long term personnel.

Mr. Wickstrum informed the board that there is a hearing on the Golden State Water Company acquisition case on Monday regarding the CEQA issue in room 41 and on Tuesday there is mediation in Los Angeles. April 17th there is another hearing.

Board of Director comments.

Director Bergen mentioned the Upper Ventura River GSA public hearing on March 9th at 6:30 at the community center. The regular meeting is at 1:00 that same day.

Director Word formally welcomed Michael Flood to our staff.

President Baggerly mentioned that the OBGMA Alternative Demonstration comment period was extended to April 1, 2017. To date they have received seven comment letters. There is a lot of work to do to answer the comments.

4. <u>Board of Director Verbal Reports on Meetings Attended.</u>

Director Hicks mentioned a speaker at Water Issues from storm water resources for Ventura County and they are looking for funding for the run off mandate.

Director Word attended AWA on Thursday and heard a report from United on where they are and what they do and the service area. Director Hicks added the other bad news in that meeting they said they are letting water out of Piru and it is going into the creek and it is contaminated with mussels.

5. Consent Agenda

ADOPTED

- a. Minutes from February 8, 2017.
- b. Recommend approval of a purchase order to Multi W Systems Inc. in the amount of \$21,000 to repair pump #3 at Avenue 2 Pump Plant.

The consent agenda was offered by Director Kaiser, seconded by Director Word and adopted by the following roll call vote:

AYES: Directors: Kaiser, Bergen, Hicks, Word, Baggerly

NOES: Directors: None ABSENT: Directors: None

6. Review of District Accounts Payable Report for the Period of 2/02/17 – 2/15/17. APPROVED

On the motion of Director Hicks, seconded by Director Bergen, the Accounts Payable report was approved by the following roll call vote:

AYES: Directors: Kaiser, Bergen, Hicks, Word, Baggerly

NOES: Directors: None ABSENT: Directors: None

7. <u>Presentation of the preliminary draft Water Rate Study by Hawksley</u> <u>Consulting.</u> Direction provided to Staff and Consultant

Mark Hilldebrand provided his presentation on the preliminary draft Water Rate Study with the intent to bring this back in about a month with finally recommendations for consideration and scheduling of a Proposition 218 rate hearing. This was a workshop and not an approval of rates at this point.

Bert Rapp with Ventura River Water District stated that Casitas is one of the lowest rates and even with an increase you will still be competitive. He then mentioned that some customers do not use water except for three years out of tem and you are not collecting usage charges. He felt their fair share should be accounted for in the base charges. He added that healthy meter charge provides stable revenues. When stabilized that put costs off large customers and on the smaller customers when you increase base charges it increases costs to smaller users.

It was determined that the Finance Committee would hold a special meeting to further review the report and recommendations.

8. Recommend approval of a letter of support for the Ojai Basin Groundwater

Management Agency – Alternative Demonstration. APPROVED

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

AYES: Directors: Kaiser, Bergen, Hicks, Word, Baggerly

NOES: Directors: None ABSENT: Directors: None

 Recommend approval of a change in the sponsorship paid to Association of Water Agencies of Ventura County to total \$2,500 for the Annual Water Symposium.

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

AYES: Directors: Kaiser, Bergen, Hicks, Word, Baggerly

NOES: Directors: None ABSENT: Directors: None

10. Recommend the Board of Directors consider being a candidate for the Association of California Water Agencies Board Member vacancy.

The board did not express any interest in filling this vacancy.

11. <u>Information Items</u>:

- a. Recreation Area Report for November, 2016.
- b. Recreation Area Report for December, 2016.
- c. Recreation Committee Minutes.
- d. Executive Committee Minutes.
- e. Personnel Committee Minutes.

- f. Water Conservation January, 2017 Update.
- g. Lake Casitas Monthly Status Report for January, 2017.
- h. Investment Report.

On the motion of Director Word, seconded by Director Hicks the information items were approved for filing by the following roll call vote:

AYES: Directors: Kaiser, Bergen, Hicks, Word, Baggerly

NOES: Directors: None ABSENT: Directors: None

12. Adjournment

President Baggerly adjourned the meeting at 5:15 p.m.

Bill Hicks, Secretary

CASITAS MUNICIPAL WATER DISTRICT MEMORANDUM

TO:

BOARD OF DIRECTORS

FROM:

DENISE COLLIN - ACCOUNTING MANAGER / TREASURER

SUBJECT:

APPROVE PURCHASE OF TIME CLOCK PLUS FOR SEASONAL & PART

TIME EMPLOYEES - \$22,545.32.

DATE:

03/03/2017

RECOMMENDATION:

It is recommended to approve the purchase and implementation of Time Clock Plus for Seasonal and Part Time employees.

BACKGROUND AND OVERVIEW:

Lake Casitas Water Adventure employs 80 to 100 seasonal employees per season, from May into September; currently manual paper time sheets are used to capture time worked for each employee. This process causes delays and long lines of employees waiting to enter their time for both clock-in and clock-out, in addition it creates double entry work as the time sheets must be manually entered into Incode's Time Entry to process the payroll. Additional time is spent by the manager to decipher the actual hand written clock-in and clock-out times.

Implementing Time Clock Plus would eliminate double entry and record actual times the employee would clock-in and clock-out. The scheduling tool Time Clock Plus offers would assist managing employee shifts and offer alerts to adhere to the required 29 hour Affordable Care Act limit.

Time Clock Plus offers both a Badge Swipe Time Clock or Bio Touch using a finger print to record clock-in and clock-out times which will expedite the process, the data is then imported directly into our current Time Entry system within Incode, greatly reducing manual data entry for both Part Time and Seasonal employees.

This purchase is not budgeted for the current year, the cost is \$22,545.32.

TimeClock Plus ☐ by Data Management, Inc. 1 Time Clock Drive, San Angelo, TX 76904 325 223-9500 800 749-8463 sales@timeclockplus.com

 Quote
 Customer
 Quote Date

 422798
 47108
 03/03/2017

CUSTOMER

Casitas Municipal Water District
Denise Collin (805) 649-2251
11311 Santa Ana Rd
Ventura, CA 93001-9769

Rep	Entry	Method of Shipment	Method of Payment
CMARTIN	CMARTIN	UPS Ground	Purchase Order Net30

Stock No.	Ordered	Description	Unit Cost	Total
		OnDemand Annual Fee (\$7,200.00)		
1025-8030	150	TimeClock Plus Professional Annual Employee Licenses Municipal Discount	60.00 (12.00)	9,000.00 (1,800.00)
		OnDemand Activation (One Time) Fee (\$6,099.00)	Burnell H	
1025-1130	1	TimeClock Plus Professional Initial Activation La TimeClock Plus Professional Initial Activation Discount	499.00 (250.00)	499.00 (250.00)
800-814	26	Dedicated Support Services (Per hour) Feature Package (One Time Fee) (\$4,796.00)	225.00	5,850.00
1025-100	1	OnDemand Module Package MobileClock for Android and iOS (Unlimited Devices) Advanced Scheduler (Module - PREVIEW ONLY) Benefits Status Monitor AutoImport Module (Versions 5/6/7) Incode (Export Module) Proimity Time Clock(s) (\$4,138.80)	4,796.00	4,796.00
244-112	1	RDT Touch 400 HID Proximity	2,449.00	2,449.00
50-122				
1099-240	100 1	Proximity Badges - Encoded Hardware Maintenance (Exchange Replacement Service)	10.00 689.80	1,000.00 689.80
		Removing Advanced Scheduler would decrease quote by \$3,250. Only Quoted 1 clock. Shipping will be calculated when number of clocks and cards is finalized. Send Tax Certificate for Tax Exemption.		
		alid for 7 days. Expires 03/10/20	17.	



Product Total: 24,283.80
Discount: (2,050.00)
Subtotal: 22,233.80

S & H: 34.00 Tax: 277.52 Total: 22,545.32





Touch Screen

Our RDTg with touch screen is a clock device that allows your employees to clock in and out by entering a Personal Identification Number (PIN) on a 7-inch capacitive touch screen. The employee can clock in and out, change job code, go on break, and more by simply entering in the number you've assigned as their TimeClock Plus ID number.

Setup is simple. Just hang the clock on the wall, give everyone an ID number, and that's it. The RDTg is also completely modular. You can choose from a number of features to suit your organization's needs.

Employee Self Service Features

- Go on break during a shift
- Choose/change departments during a shift
- Choose/change tasks worked during a shift
- Receive messages from management
- Track multiple shifts each day
- View hours for any pay period
- View hours this shift
- View schedule this period & next
- Make time off or schedule requests
- Approve hours
- View accruals

Data Management, Inc.

1 TimeClock Dr., San Angelo, TX 76904 Tel: (325) 223-9500 Sales: (800) 749-8463 Fax: (325) 223-9104 www.timeclockplus.com

Touch Screen



Optional Features

Biometrics

Eliminate buddy punching by having employees clock in using their fingerprint.

Camera

Employee pictures can be captured and stored on every clock transaction.

Proximity Reader

Employees can perform clock operations by waving a proximity badge in front of the reader.

Card Swipe

Employee IDs can be entered by swiping a card with a magnetic strip or barcode.

Fallback Mode

The clock can record and store punches when it is not connected to the network and upload them to your database once the network connection has been restored.

Battery Backup

Provides power to the clock when the primary source of power is unavailable.

Digital Output

Triggers a device such as an electronic door lock or external bell after a clock operation or at certain times of the day.



TimeClock Plus® Mobile Apps

USE ANYWHERE

FEATURES

TimeClock Plus Mobile is designed to deploy employee time and attendance information into the palm of your hands. This solution gives a mobile connection to your TimeClock Plus® system allowing your employees to perform clock operations whenever and wherever they need. For companies with employees on the go, TimeClock Plus Mobile eliminates timesheets, allowing higher employee productivity. Employees can perform clock operations using their mobile device to record punch transactions on the live TimeClock Plus database, without having direct access to a workstation!



- Clock In
- Clock Out
- Go on Break
- Change Job Code
- Change Cost Code (Job Costing Required)
- Tracked Field Entry
- Missed Punches
- Message Review from Management
- Manage Approvals
- GPS Enabled

TimeClock Plus Mobile is Designed for all Android and iOS Devices



Data Management, Inc.

1 TimeClock Dr., San Angelo, TX 76904 Tel: (325) 223-9500 · Sales: (800) 749-8463 Fax: (325) 223-9104 · www.timeclockplus.com





Benefits of TimeClock Plus OnDemand

OnDemand Benefits:

- No long term commitment
- Minimal startup fees and low "Pay As You Go" monthly charges
- Free software updates and upgrades New versions of TimeClock Plus OnDemand are deployed right away, which means you are always on the latest version
- Rapid implementation
- 100% web-based allows managers or employees to log in from anywhere or anytime with the right security credentials
- Free email/live chat support

Our Secure Environment:

- Secure SSAE 16 Data Center
- 24x7x365 availability and monitoring
- Encrypted and secured web sessions, data storage and data transmission
- Full protection of personally identifiable information
- Daily managed backups
- A multi-tenant architecture allows for high scalability and faster innovation



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1 TimeClock Dr., San Angelo, TX 76904

Tel: (325) 223-9500 Sales: (800) 749-8463 Fax: (325) 223-9104 www.timeclockplus.com

Software-as-a-Service

TimeClock Plus OnDemand is a hosted web-based solution that utilizes the latest technology in Cloud Computing. Your organization may subscribe to TimeClock Plus OnDemand applications and services rather than install a perpetual license. That means there is no installation! All software is maintained by TimeClock Plus at our data center. Implementation is easy; all that is needed is a compatible web browser and a broadband connection to the internet.

Employees clock in to and out through our "web-based" WebClock . Your employees are able to perform needed timeclock transactions, as well as employee self-service functions from the convenience of their own computer workstation.

Managers may log into TimeClock
Manager to access vital employee
information needed to control labor
costs, job tracking, and overtime
without delay. TimeClock Plus
OnDemand includes a variety of labor
management tools such as the Employee
Status list which offers management a
"real time" snapshot of current labor
operations.

Using TimeClock Plus in an OnDemand environment allows your organization to implement an employee time tracking application with availability and performance safeguards:

- business continuity
- data recovery
- scalability management
- rapid response time
- data back-up and restore
- failover procedures
- load balancing

TimeClock Plus® RDTg Specifications

Display 7" 800x480 TFT LCD with PWM LED backlight, 16x9 Aspect Ratio Touchscreen:

Capacitive with nontouch available

Processor Freescale iMX6 Solo @ 1GHz

Memory 1GB DDR3 RAM, 512MB NAND Flash; expandable via uSD slot

Clock Battery backed RTC, 12- or 24-hour format

Keypad 27 keys with tactile feedback; #0-9, 12 defined function keys, 5 navigation keys

Operating System Linux OS

Diagnostics Onboard diagnostics

Interface Standard 10/100/1000 ethernet Optional WiFi/modem via USB installed device Standard (3)

USB 2.0 ports, 1 external, 2 internal

Indicators 3 on Front Panel; Power, Battery, Link Status

Enclosure ABS; secured with keylock

Power Standard 12VDC at 1.25A maximum Optional Li-Polymer Battery Pack with 3 hour run-time

Environment Operating temperature: 0 to 50C (32 to 122F)

Storage temperature: -20 to 80C (-4 to 176F)

Dimensions Base Display Module: 5.25"H x 7.75"W x 2.75"D

With Optional Keypad Module: add 3.69"W With Optional Biometric Module: add 1.875"W

With Optional Prox Card Reader Module: add 1.75"W; (Note: must be placed on end of assembly) With Optional Swipe Reader Module: add 1.19"W; (Note: must be placed on end of assembly)

Certifications CE Mark, FCC Part 15 Class A

Accessories Biometric Readers: Digital Persona, Cogent (Optional) Magnetic Stripe Reader

Optical (BarCode) Swipe Reader

HID Proximity Reader

Relay Board: 2 Relays, 2 Inputs, Serial Interface, External Wiegand Reader connections via

terminal block Audio/Video:

VGA Low- light Camera with LED illumination light source

Audio codec + PWM Beeper/Transducer

1W speaker

Data Management, Inc.

1 TimeClock Dr., San Angelo, TX 76904 Tel: (325) 223-9500 Sales: (800) 749-8463 Fax: (325) 223-9104 www.timeclockplus.com



CASITAS MUNICIPAL WATER DISTRICT INTEROFFICE MEMORANDUM

TO: OPERATIONS & MAINTENENCE MANAGER

FROM: TREATMENT PLANT SUPERVISOR

SUBJECT: CONTRACT AWARD – MEDIA CLEANING FILTER #5

DATE: MARCH 2, 2017

RECOMMENDATION:

It is recommended that the Board of Directors approve a purchase order to ERS Industrial Services, Inc. in the amount of \$48,698.25 for the removal, cleaning and reinstallation of media in pressure filter #5. The above project also includes the purchase of supplemental filter media (81 cubic feet of fine garnet / 180 cubic feet of anthracite) required to return filter media layers to original specifications.

BACKGROUND AND DISCUSSION:

The Marion Walker Filtration Plant has 8 pressure filters, which have been in operation for over 20 years. In order to maintain optimum filter performance and ensure that the media continues to meet performance standards, the treatment plant staff has developed an ongoing preventative maintenance program. Prior media cleaning jobs have been performed over the past four years. The FY 2016/17 capital budget (GL# 11-5-54-5940-00) contains funds for the above work and is within budget.

The project was advertised on the District's website, four contractors performed the mandatory job walk; ERS Industrial Services, Inc. was the lowest responsible bidder. The work required to remove, clean, and install the media is specialized. ERS Industrial Services is fully aware of the project requirements. They have completed numerous filter projects of similar scope for Casitas throughout the past 10 years and have demonstrated quality workmanship.

ERS has an active contractor's license and is registered with the Department of Industrial Relations.

CASITAS MUNICIPAL WATER DISTRICT Payable Fund Check Authorization Checks Dated 02/16/17-03/02/17 Presented to the Board of Directors For Approval March 8, 2017

Check	Payee			Description	Amount
000706	Payables Fund Account	#	9759651478	Accounts Payable Batch 022217	\$20,106.98
000707	Payables Fund Account	#	9759651478	Accounts Payable Batch 030217	\$308,018.51
					\$328,125.49
000708	Payroll Fund Account	#	9469730919	Estimated Payroll 3/16/17	\$155,000.00
				Total	\$483,125.49

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, 000706-000708 have been duly audited is hereby certified as correct.

(

Senire Cell'	3/2/17
Denise Collin, Accounting Manager/Treasurer	
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.

000706	A/P Checks: A/P Draft to P.E.R.S. A/P Draft to State of CA A/P Draft to I.R.S. Voids:	025800-025812
000707	A/P Checks: A/P Draft to P.E.R.S. A/P Draft to State of CA A/P Draft to I.R.S. Voids:	25813-025893 000000 000000 000000 025858, 025859
have bee certified a	re numbered checks, n duly audited are hereby as correct. enveloped by the control of the contr	3/2/17
Denise C	oiiii, Accounting Manager/Th	easurer
Signature)	
Signature		
Signature		The Art

CERTIFICATION

Payroll disbursements for the pay period ending 02/25/17
Pay Date of 03/02/17
have been duly audited and are
hereby certified as correct.

Signed:_	Denise Celli 2/27/17
	Denise Collin
Signed:_	
	Signature
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Signed:_	
	Signature

A/P HISTORY CHECK REPORT

PAGE:

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VENDOR SET: 01 Casitas Municipal Water D

BANK: ALL BANKS

DATE RANGE: 2/16/2017 THRU 3/02/2017

CHECK INVOICE CHECK CHECK CHECK VENDOR I.D. NAME STATUS DATE AMOUNT DISCOUNT NO STATUS AMOUNT C-CHECK VOID CHECK v 3/02/2017 025858 C-CHECK VOID CHECK 3/02/2017 025859 TOTALS * * NO INVOICE AMOUNT DISCOUNTS CHECK AMOUNT REGULAR CHECKS: 0 0.00 0.00 0.00 HAND CHECKS: 0 0.00 0.00 0.00 DRAFTS: 0 0.00 0.00 0.00 EFT: 0 0.00 0.00 0.00 NON CHECKS: 0 0.00 0.00 0.00 VOID CHECKS: 2 VOID DEBITS 0.00 VOID CREDITS 0.00 0.00 0.00 TOTAL ERRORS: 0 NO

INVOICE AMOUNT DISCOUNTS CHECK AMOUNT VENDOR SET: 01 BANK: TOTALS: 2 0.00 0.00 0.00 BANK: TOTALS: 2 0.00 0.00 0.00

A/P HISTORY CHECK REPORT

PAGE:

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VENDOR SET: 01 Casitas Municipal Water D

BANK: AP ACCOUNTS PAYABLE
DATE RANGE: 2/16/2017 THRU 3/02/2017

CHECK INVOICE CHECK CHECK CHECK VENDOR I.D. NAME STATUS DATE AMOUNT DISCOUNT NO **STATUS** AMOUNT 00049 STATE OF CALIFORNIA I-T2 201702271184 State Withholding D 3/02/2017 10,063.92 000000 10,063.92 00128 INTERNAL REVENUE SERVICE I-T1 201702271184 Federal Withholding D 3/02/2017 29,409,24 000000 I-T3 201702271184 FICA Withholding D 3/02/2017 28,079.90 000000 I-T4 201702271184 Medicare Withholding D 3/02/2017 6,567.22 000000 64,056.36 00187 CALPERS I-PBB201702271184 PERS BUY BACK D 3/02/2017 66.87 000000 I-PBP201702271184 PERS BUY BACK D 3/02/2017 161.96 000000 I-PEB201702271184 PEPRA EMPLOYEES PORTION D 3/02/2017 3,102.48 000000 I-PEM201702271184 PERS EMPLOYEE PORTION MGMT D 3/02/2017 2,833.79 000000 I-PER201702271184 PERS EMPLOYEE PORTION 3/02/2017 D 6,389.52 000000 I-PRB201702271184 PEBRA EMPLOYER PORTION D 3/02/2017 3,253.87 000000 I-PRR201702271184 PERS EMPLOYER PORTION D 3/02/2017 10,192.23 000000 26,000.72 01570 Ojai Auto Supply LLC C-397205 Hose, Antifreeze, Coolant Return N 3/02/2017 29.41CR 000000 Hose, Antifreeze, Coolant Res. I-397187 N 3/02/2017 29.41 000000 01666 I-000009257884 T-1 Lines 9391035542 R 2/22/2017 1,156.18 025800 1,156.18 00018 AT & T MOBILITY I-829434088X02142017 PT Wildlife Biol Monthly Cell R 2/22/2017 11.65 025801 11.65 00055 CASITAS BOAT RENTALS I-Dec 16 Gas for Boats - LCRA R 2/22/2017 711.45 025802 711.45 00055 CASITAS BOAT RENTALS I-Jan 17 Gas for Boats - LCRA R 2/22/2017 623.41 025803 623.41 01146 COUNTY OF VENTURA I-021417 Costs Presidential Election R 2/22/2017 6,467.83 025804 6,467.83 00086 E.J. Harrison & Sons Inc I-8538 Acct#1C00054240 R 2/22/2017 155.23 025805 155.23 00165 OJAI LUMBER CO, INC C-1701-807280 Wire Mesh Mat Return 2/22/2017 R 122.05CR 025806 I-1701-807276 Hazmet Shed Lumber Materials R 2/22/2017 590.89 025806 I-1701-807283 Hazmat Shed Lumber R 2/22/2017 31.24 025806 500.08

I-020817b

I-020817c

I-020817d

I-020817e

I-020817f

I-022117

I-899645727001

A/P HISTORY CHECK REPORT

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VENDOR SET: 01 Casitas Municipal Water D

BANK: AP ACCOUNTS PAYABLE

DATE RANGE: 2/16/2017 THRU 3/02/2017 CHECK INVOICE CHECK CHECK CHECK VENDOR I.D. NAME STATUS DATE TRUOMA DISCOUNT NO STATUS AMOUNT 10042 PSR ENVIRONMENTAL SERVICE, INC I-8026 Repair & Reset Oil Drain Alarm R 2/22/2017 250.00 025807 250.00 02643 Take Care by WageWorks I-5384426 Reimburse Medical R 2/22/2017 68.10 025808 68.10 00270 Wells Fargo Bank I-020817 Ojai Valley Chamber Sponsor R 2/22/2017 1,000.00 025809 1,000.00 02984 Fariborz Yaghoubi I-020817 Camping Fee Refund R 2/22/2017 145.00 025810 145.00 00270 Wells Fargo Bank C-020817h Accrue Use Tax R 2/22/2017 13.70CR 025811 C-020817j Accrue Use Tax R 2/22/2017 25.36CR 025811 C-0208171 Accrue Use Tax 2/22/2017 R 300.88CR 025811 D-020817g Accrue Use Tax R 2/22/2017 13.70 025811 D-020817i Accrue Use Tax R 2/22/2017 25.36 025811 D-020817k Accrue Use Tax 2/22/2017 300.88 025811 I-020817a Cons. Message to Customers R 2/22/2017 280.50 025811

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I-899646064001 Office Chairs - TP R 2/22/2017 1,133.85 025812 1,978.39 PETTY CASH LCRA Petty Cash Short R 2/23/2017 100.00 025813 100.00

2/22/2017

2/22/2017

2/22/2017

2/22/2017

2/22/2017

2/22/2017

3/02/2017

189.00

349.78

299.43

844.54

213.43

5,890.95

30.00

02587 A&M LAWNMOWER SHOP I-43872 Hose Kit for Pump - UT

Club Car Enclosure - LCRA

GPS Vehicle Tracker

Office Chairs - TP

OFFICE DEPOT

PR Soc. of America Seminar

Solar Lights Front Sign-LCRA

Play Structure Slide Parts-WP

Aflac Worldwide Headquarters I-093260 Supplemental Insurace 2/17 R 3/02/2017 3,403.56 025815 3,403.56

00010 AIRGAS USA LLC

I-9060275086 Goggle Lenses, Safety Glasses R 3/02/2017 62.51 025816 I-9060373087 Hardhat Assembly - TP 3/02/2017 370.98 025816 433.49

I-716873

I-716874

I-SB02085860

I-10150125981

00061

00740

AP

ACCOUNTS PAYABLE

Copier Usage - LCRA

Copier Usage - Whs

DELL MARKETING L.P.

Laptop for Asst. GM

COMPUWAVE

Printer Toner

BANK:

A/P HISTORY CHECK REPORT PAGE: VENDOR SET: 01 Casitas Municipal Water D

DATE F	AP ACCOUNTS RANGE: 2/16/2017 THRU	3/02/2017							
VENDOR	t I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00836		AMERICAN RED CROSS							
	C-14987GRCSb	Accrue Use Tax	R	3/02/2017	25.38CR		025817		
	D-14987GRCSa	Accrue Use Tax	R	3/02/2017	25.38 25.38		025817		
	I-14987-GRCS	Lifeguard Instructor's Kit -WP	R	3/02/2017	350.00		025817		350.00
02179		Art Street Interactive							
	I-1079	Res. Sys. Web Hosting/Maint.	R	3/02/2017	542.15		025818		542.15
01666		AT & T							
01000	I-0000009299789	T-1 Lines 9391035541	R	3/02/2017	492.70		025819		492.70
				-,,	152.70		023619		492.70
00020		AVENUE HARDWARE, INC							
	I-D66898	Trench shovels, Decals - Ut	R	3/02/2017	49.37		025820		49.37
00021		AWA OF VENTURA COUNTY							
	I-069684	Waterwise Breakfast 2/16	R	3/02/2017	75.00		025821		75.00
00030		B&R TOOL AND SUPPLY CO							
00030	I-1900893727	Cutting Wheels, Cleaning Brush	-	2 /00 /0017					
	I-1900893818	Angle Grinder - UT		3/02/2017	65.95		025822		
	I-1900894263	Pipe Freezer - PL	R R	3/02/2017	187.69		025822		
		Tape Treezer - In	K	3/02/2017	3,001.93		025822	:	3,255.57
01153		RUSS BAGGERLY							
	I-Jan 17	Reimburse Mileage 1/17	R	3/02/2017	31.03		025823		31.03
00006				•			023023		31.03
02026	I-Feb 17	Carol Belser							
	1-reb 1/	Reimburse Expenses 2/17	R	3/02/2017	693.17		025824		693.17
02593		Cal-Coast Machinery							
	I-381710	Mower Deck - LCRA	R	3/02/2017	691.76		025825		691.76
02811							3		331.70
02811	I-CCA19821	Civic Construction Associates							
	I-CCAL902I	Retention LCRA Shoreline Veg.	R	3/02/2017	4,800.00		025826	4	4,800.00
01843		COASTAL COPY							
		_							

3/02/2017

3/02/2017

3/02/2017

3/02/2017

256.54

388.68

1,834.54

32.42

025827

025827

025828

025829

288.96

388.68

1,834.54

R

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A/P HISTORY CHECK REPORT

VENDOR SET: 01 Casitas Municipal Water D

BANK: AP ACCOUNTS PAYABLE
DATE RANGE: 2/16/2017 THRU 3/02/2017

CHECK INVOICE CHECK CHECK CHECK VENDOR I.D. NAME STATUS DATE AMOUNT DISCOUNT NO STATUS TRUOMA 00081 DELTA LIQUID ENERGY I-039381 Propane for DamTender R 3/02/2017 319.07 025830 319.07 00086 E.J. Harrison & Sons Inc I-8516 Acct#1C00053370 R 3/02/2017 146.94 025831 146.94 00086 E.J. Harrison & Sons Inc I-8537 Acct#1C00054230 R 3/02/2017 808.30 025832 808.30 00099 FGL ENVIRONMENTAL I-701080C Nitrate Monitoring 1/25/17 R 3/02/2017 18.00 025833 I-701340A Nitrate Monitoring 1/31/17 R 3/02/2017 43.00 025833 61.00 00096 FIREMASTER - LOS ANGELES REG. I-0000393052 Fire Extinguishers-Units 48/49 R 3/02/2017 103.17 025834 103.17 00104 FRED'S TIRE MAN I-97734 Flat Repair - EZ6 Cart R 3/02/2017 20.00 025835 20.00 00106 FRONTIER PAINT I-F0222045 Galaxy Spray Hood - LCRA R 3/02/2017 6.21 025836 I-F0222243 Primer, Paint, Roller Kit - WP R 3/02/2017 46.02 025836 I-F0222337 Urethane Paint Base-WP R 3/02/2017 45.77 025836 98.00 01280 FRY'S ELECTRONICS, INC. I-6671229 Spray Duster, Flash Drive R 3/02/2017 45.22 025837 45.22 02985 Roger Furgang I-021317 Camping Fee Refund R 3/02/2017 564.00 025838 564.00 00376 GALL'S, INC. I-006973498 Flashlights/Batteries - LCRA R 3/02/2017 537.35 025839 537.35 02720 Garda CL West, Inc. I-20210581 Excess Items - LCRA R 3/02/2017 56.80 025840 56.80 00216 THE GAS COMPANY I-022417 Acct#18231433006 R 3/02/2017 346.82 025841 I-022417a Acct#00801443003 R 3/02/2017 644.45 025841 991.27 00115 GRAINGER, INC I-9356224262 First Aid Kits, PoisonIvy Scrub R 3/02/2017 83.81 025842 I-9356224262a Portable Work Lights - TP R 3/02/2017 97.22 025842 I-9358868587 Spray Paint - EM R 3/02/2017 28.19 025842 I-9359309847 Marking Chalk - Whs R 3/02/2017 45.56 025842 I-9363362097 Full Body Harness - UT R 3/02/2017 739.02 025842 993.80

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A/P HISTORY CHECK REPORT

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VENDOR SET: 01 Casitas Municipal Water D

BANK: AP ACCOUNTS PAYABLE
DATE RANGE: 2/16/2017 THRU 3/02/2017

VENDOI	R I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
02994		Pat Haidet							
	I-022117	Camping Fee Refund -530629	R	3/02/2017	95.50		025843		95.50
01772		HASAN CONSULTANTS							
	I-013117	LCRA Sewer Study	R	3/02/2017	7,500.00		025844		
	I-022817	LCRA Sewer Study	R	3/02/2017	7,500.00		025844	7:	5,000.00
02995		D			•				-,
02333	I-022017	Roger Hollis							
	1-022017	Camping Fee Refund -534742	R	3/02/2017	104.50		025845		104.50
00127		INDUSTRIAL BOLT & SUPPLY							
	I-176316-1	Flange Bolts & Washers - EM	R	3/02/2017	21.09		025846		21.09
00000				, ,			023010		21.03
00872	T 6000	Irrisoft, Inc.							
	I-6009	Weather Station Signal	R	3/02/2017	79.00		025847		79.00
00493		J & H ENGINEERING GENERAL							
	I-013117	LCRA Road Maint.	R	3/02/2017	56,449.00		005040		
				3,02,2011	30,443.00		025848	56	5,449.00
02344		Janitek Cleaning Solutions							
	I-26451A	Janitorial Services - DO	R	3/02/2017	1,395.00		025849	3	L,395.00
02986		Wash was							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
02986	I-021317	Pat Joyce							
	I-021317 I-021317a	Camping Fee Refund	R	3/02/2017	167.50		025850		
	1-02131/A	Camping Fee Refund -526341	R	3/02/2017	167.50		025850		335.00
02987		Gary Kaufman							
	I-021317	Camping Fee Refund	R	3/02/2017	225.00		005051		005 00
				3/02/201/	225.00		025851		225.00
01022		KELLY CLEANING & SUPPLIES, INC							
	I-362608	Janitorial Services - LCRA	R	3/02/2017	280.00		025852		280.00
00328		I ZGIIMITNA DIDAD							
00328	I-2031704	LIGHTNING RIDGE Staff Jackets - WP	_	0.400.4004.					
	1.2031,04	Stall Jackets - WP	R	3/02/2017	911.41		025853		911.41
02988		Brad Lopez							
	I-021517	Camping Fee Refund	R	3/02/2017	68.00		025854		60.00
				0,02,202,	00.00		025654		68.00
02838		Mainstreet Architects & Planne							
	I-1118	DO Remodel - Docs/Bidding&Neg.	R	3/02/2017	6,043.00		025855	6	,043.00
00329		WOWN COMED CARRY COMPANY OF							
00529	I-13286549	MCMASTER-CARR SUPPLY CO. Toilet Partitions - LCRA	_	2/00/000					
	I-15011773	Air Filter- EM	R R	3/02/2017	1,672.17		025856		
			ĸ	3/02/2017	26.10		025856	1	,698.27

A/P HISTORY CHECK REPORT PAGE: 7 VENDOR SET: 01 Casitas Municipal Water D

BANK:	AP	ACCOUNTS	PAYABLE
DATE RANGE:	2/16/20	17 THRU	3/02/2017

VENDOR	I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00151		MEINERS OAKS ACE HARDWARE							
	C-758848	Washer, Adpater, Saw -Return	R	3/02/2017	00 60 60				
	C-759007	Trap Union PVC - WP	R	3/02/2017	22.63CR		025857		
	I-757601	Car Charger, Bronze Turbo - PL	π.		4.48CR		025857		
	I-757620	Cement - PL		3/02/2017	14.14		025857		
	I-757643		R	3/02/2017	9.64		025857		
	I-758172	Cement, Spec Mix - LCRA	R	3/02/2017	25.92		025857		
	I-758252	Rubbing Alcohol - LCRA	R	3/02/2017	2.78		025857		
	I-758323	Wheel Cutoff, Faucet - LCRA	R	3/02/2017	21.46		025857		
		Markers, Hacksaw, Blade - PL	R	3/02/2017	36.74		025857		
	I-758707	Hacksaw, Saw, Adapter - WP	R	3/02/2017	42.71		025857		
	I-758725	Kitchen Bags, Wipes, Gloves-TP		3/02/2017	54.35		025857		
	I-758851	Faucet Cover, Tape Measure-WP	R	3/02/2017	23.46		025857		
	I-758985	Rollers, Utility Pull - LCRA	R	3/02/2017	14.50		025857		
	I-759008	Screws, Wheel Grinds - WP	R	3/02/2017	22.98		025857		
	I-759030	Caulk, Galvanized Pipe - LCRA	R	3/02/2017	54.76		025857		
	I-759178	Sanding Disc - EM	R	3/02/2017	6.82		025857		
	I-759189	Ball Valve - Maint.	R	3/02/2017	6.82		025857		
	I-759314	Hinge straps - PL	R	3/02/2017	14.11		025857		
	I-759358	Plastic Epoxy - LCRA	R	3/02/2017	3.51		025857		
	I-759448	Bolts, Screws, Drain Away - PL	R	3/02/2017	14.44		025857		
	I-759477	Gasser for Pests - Maint.	R	3/02/2017	46.76		025857		
	I-759481	Key, Toilet Seat - Maint.	R	3/02/2017	22.80				
	I-759511	Bolts, Washers. Screws - LCRA	R	3/02/2017	41.06		025857		
	I-759645	Sand Bags - LCRA	R	3/02/2017	37.54		025857		
	I-759759	Sawzal, Bolts, Screws, Straps	R	3/02/2017			025857		
	I-760096	Batteries, WD40, Power Cord	R	3/02/2017	62.93		025857		
	I-760451	Bar & Chain Oil - LCRA	R		107.61		025857		
	I-760663	Roof Cement, Caulk - Maint.		3/02/2017	21.43		025857		
	I-761177	Gloves - IT	R	3/02/2017	25.35		025857		
	_ , , , ,	G10VEB - 11	R	3/02/2017	5.83		025857		713.34
00163		OFFICE DEPOT							
	I-901373269001	Casitas Stamp - Admin	R	3/02/2017	23.16		005060		
	I-907176583001	White Copy Paper	R	3/02/2017			025860		
	I-907182001001	Casitas Stamp - Admin	R	3/02/2017	274.18		025860		
		The state of the s	K	3/02/2017	21.22		025860		318.56
00625		OfficeTeam							
	I-47738109	Temp	R	3/02/2017	218.46		025861		
	I-47794498	Temp	R	3/02/2017	764.61		025861		000 00
		•		3/02/201/	704.01		025861		983.07
00160		OILFIELD ELECTRIC CO, INC							
	I-021017	TP Electrical Upgrade	R	3/02/2017	60,155.90		025862	5 0	155 OC
				-,, ,	00,200.00		023002	60	,155.90
00169		OJAI VALLEY SANITARY DISTRICT							
	I-19080	Cust # 99991	R	3/02/2017	10,073.62		025863	10	072 60
				-,,,	20,075.02		023003	10	,073.62

A/P HISTORY CHECK REPORT

PAGE:

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VENDOR SET: 01 Casitas Municipal Water D

BANK: AP ACCOUNTS PAYABLE
DATE RANGE: 2/16/2017 THRU 3/02/2017

CHECK INVOICE CHECK CHECK CHECK VENDOR I.D. NAME STATUS DATE AMOUNT DISCOUNT NO STATUS AMOUNT 02268 Curtis Orozco I-Jan 17 Safety Boots R 3/02/2017 118.51 025864 118.51 00188 PETTY CASH I-022817 Replenish Petty Cash R 3/02/2017 332.58 025865 332.58 00627 PORT SUPPLY I-3775826 Rain Jacket - TP R 3/02/2017 144.24 025866 144.24 02936 Priority Safety Services, LLC I-2017-594 Respirator Fit Testing R 3/02/2017 40.00 025867 40.00 02216 Purchase Power I-022017 Refill Postage Meter R 3/02/2017 2,525.00 025868 2,525.00 02989 John Purdum I-021417 Camping Fee Refund R 3/02/2017 104.50 025869 104.50 01107 SAWYER PETROLEUM I-S112303 Oil for PP Motor R 3/02/2017 427.16 025870 427.16 02990 Mary Schellberg I-021317 Camping Fee Refund R 3/02/2017 167.50 025871 167.50 02993 Steven Sharp I-022117 Safety Boots R 3/02/2017 170.00 025872 170.00 02850 Sintra Group I-2017127 Background Investigation -LCRA R 3/02/2017 1,230.00 025873 1,230.00 01944 Luke Soholt I-022417 Safety Boots R 3/02/2017 170.00 025874 170.00 00215 SOUTHERN CALIFORNIA EDISON I-022317 Acct#2157697889 R 3/02/2017 518.95 025875 I-022317a Acct#2266156405 R 3/02/2017 387.34 025875 I-022317b Acct#2312811532 R 3/02/2017 107.19 025875 I-030117 Acct#2210507034 R 3/02/2017 8,592.32 025875 9,605.80 02202 Stanley Pest Control I-911491 Monthly Pest Control - WP R 3/02/2017 170.00 025876 170.00 02991 Karen Supowit I-021317 Camping Fee Refund R 3/02/2017 104.50 025877 104.50

A/P HISTORY CHECK REPORT

3/02/2017 9:21 AM VENDOR SET: 01 C PAGE: 9 Casitas Municipal Water D

BANK:	AP AC	COUNTS	PAYABLE	
DATE RANGE:	2/16/2017	THRU	3/02/2017	
VENDOR T.D			NAME	

VENDOR	RI.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
02992	I-021317 I-021317a	Cyndi Sutton Camping Fee Refund -522176 Camping Fee Refund -522179	R R	3/02/2017 3/02/2017	225.00 167.50		025878 025878		392.50
02643	I-5419824	Take Care by WageWorks Reimburse Medical	R	3/02/2017	176.00		025879		176.00
02527	I-23369	Traffic Technologies LLC New Gate & Res. Site Sign	R	3/02/2017	156.08		025880		156.08
01662	I-420672 I-420673	TYLER TECHNOLOGIES, INC. Tyler Connect Conference Tyler Connect Conference	R R	3/02/2017 3/02/2017	850.00 850.00		025881 025881	-	700 00
01048	I-024259	VAUGHAN'S INDUSTRIAL REPAIR CO		3/02/2017	1,893.00		025882		L,700.00
02941	I-59690	VWM Analytics File #20165 - 1/17	R	3/02/2017	1,680.00		025883		1,680.00
00663	I-76523947 I-76528237	WAXIE SANITARY SUPPLY Janitorial Supplies - DO	R	3/02/2017	313.15		025884		
02996	I-021817	Janitorial Supplies - DO Dana Webb Vehicle Fee Refund -558353	R R	3/02/2017	7.83		025884		320.98
00330	I-10006559112	WHITE CAP CONSTRUCTION SUPPLY Wipes, Wire Stripper, Tape -UT		3/02/2017	10.00		025885		10.00
00124	I-10006576285	Coveralls - TP ICMA RETIREMENT TRUST - 457	R R	3/02/2017 3/02/2017	74.07 65.57		025886 025886		139.64
	I-CUI201702271184 I-DCI201702271184 I-DI%201702271184	457 CATCH UP DEFERRED COMP FLAT DEFERRED COMP PERCENT	R R R	3/02/2017 3/02/2017 3/02/2017	461.54 2,079.62 134.71		025887 025887 025887	2	2,675.87
01960	I-MOR201702271184	Moringa Community PAYROLL CONTRIBUTIONS	R	3/02/2017	16.75		025888	2	16.75
00985	I-DCN201702271184 I-DN%201702271184	NATIONWIDE RETIREMENT SOLUTION DEFERRED COMP FLAT DEFERRED COMP PERCENT	R R	3/02/2017 3/02/2017	3,942.50 528.25		025889 025889	_	450 55
				0,02,201	320.23		U2300Y	4	,470.75

A/P HISTORY CHECK REPORT PAGE: 10 VENDOR SET: 01

Casitas Municipal Water D ACCOUNTS PAYABLE BANK: AP DATE RANGE: 2/16/2017 THRU 3/02/2017

VENDOR	R I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	CHECK DISCOUNT NO	CHECK CHECK STATUS AMOUNT
00180	I-COP201702271184 I-UND201702271184	S.E.I.U LOCAL 721 SEIU 721 COPE UNION DUES	R R	3/02/2017 3/02/2017	19.50 708.00	025890 025890	727.50
01400	I-CS4201702271184	STATE DISBURSEMENT UNIT Payroll Deduction 10-D000121	R	3/02/2017	830.76	025891	830.76
00230	I-UWY201702271184	UNITED WAY PAYROLL CONTRIBUTIONS	R	3/02/2017	60.00	025892	60.00
1	I-000201702281185	HALEY, LINDSEY UB REFUND	R	3/02/2017	0.30	025893	0.30
	TOTALS * * GULAR CHECKS: HAND CHECKS: DRAFTS: EFT: NON CHECKS: VOID CHECKS:	NO 92 0 3 0 1 0 VOID DEBITS VOID CREDIT		0.00	INVOICE AMOUNT 228,004.49 0.00 100,121.00 0.00 0.00	DISCOUNTS 0.00 0.00 0.00 0.00 0.00	CHECK AMOUNT 228,004.49 0.00 100,121.00 0.00 0.00
IOIAL	ERRORS: 0	***					
VEND	OR SET: 01 BANK: A	NO TOTALS: 96			INVOICE AMOUNT 328,125.49	DISCOUNTS 0.00	CHECK AMOUNT 328,125.49
BANK	: AP TOTALS:	96			328,125.49	0.00	328,125.49
REPO	RT TOTALS:	96			328,125.49	0.00	328,125.49

Casitas Municipal Water District Reimbursement Disclosure Report (1) Fiscal Year 2016/17 July 1, 2016-June 30, 2017

Date paid	Board of Director/Employee	Description	Amount Paid
7/5/2016	Vincent Godinez	Safety Boot Purchase	153.87
7/5/2016	Scott Lewis	Salmonid Genetics Conference	210.00
7/13/2016 7/13/2016	Scott Lewis	Airfare to CMWD 7/10-7/14	425.20
7/13/2016	Scott MacDonald Luke Soholt	Class Reimbursement	120.00
7/19/2016		Class Reimbursement	168.00
7/26/2016	Lindsay Cao Gerardo Herrera	CWEA Membership	172.00
7/26/2016	Tim Lawson	Safety Boot Purchase	170.00
7/28/2016	Ron Yost	Safety Boot Purchase	118.20
8/4/2016	Gerardo Herrera	Property Tax Bill-Damtender Residence	608.65
8/10/2016	Eric Behrendt	Utility Leadership Course	115.68
8/10/2016	Scott Lewis	Safety Boot Purchase Lodging	156.59
8/10/2016	Scott Lewis	Car Rental	348.32
8/17/2016	Robert Vasquez	Safety Boot Purchase	320.27
8/24/2016	Larry Harris	*	170.00
9/14/2016	Joel Cox	Gray Water Workshop Refreshments Safety Boot Purchase	200.10
9/14/2016	Greg Romey	Mileage Reimbrusement - Offsite Training	170.00
9/21/2016	Joel Cox	T4 Certification	111.24
10/5/2016	Scott MacDonald	Safety Boot Purchase	105.00
10/13/2016	Scott Lewis	Airfare to CMWD 9/27-9/29	170.00
10/13/2016	Scott Lewis	Car Rental	331.20
10/13/2016	Scott Lewis	Lodging	254.08 189.50
10/13/2016	Brian Taylor	Safety Boot Purchase	156.59
10/19/2016	Michael Moler	Lodging for CALMS Conference	353.40
10/19/2016	Michael Moler	Mileage Reimbrusement - Offsite Training	515.70
11/2/2016	Michael Moler	Lodging for CA/NV Fall Conference	377.92
11/2/2016	Michael Moler	Mileage Reimbrusement - Offsite Training	222.48
11/9/2016	Michael Gibson	Lodging & Meals for Steelhead Conference	281.40
11/16/2016	Scott Lewis	Airfare to CMWD 11/14-11/19	451.20
11/16/2016	Scott Lewis	Fish Conference - 9/8	135.00
11/23/2016	Vincent Godinez	Safety Boot Purchase	170.00
11/23/2016	Vincent Godinez	Distribution Grade 3 Exam Fee	100.00
11/23/2016	Lindsay Cao	PE License Renewal	115.00
12/1/2016	Scott MacDonald	Distribution Grade 4 Certification	105.00
12/1/2016	Robert Vasquez	Water Treatment Plant Operator Course	112.55
12/1/2016	Robert Vasquez	Distribution Grade 3 Exam Fee	100.00
12/1/2016	Robert Vasquez	Distribution Grade 3 Certification	120.00
12/9/2016	Neil Cole	Microwave for Lunch Room	106.42
12/9/2016	Ronald Merckling	Lodging for ACWA Conference	658.13
12/9/2016	Steve Wickstrum	CE License Renewal	115.00
12/9/2016	Steve Wickstrum	Mileage Reimbrusement - Offsite Meetings	124.20
12/21/2016	Vincent Godinez	Welding Course Fee	121.00
12/21/2016	Gerardo Herrera	Pumps/Motors Course Fee	138.00
12/21/2016	Caron Smith	Water Dist. Sys. O&M Course Fee	116.68
12/21/2016	David Pope	Safety Boot Purchase	166.61
12/21/2016	Robert Vasquez	Pumps/Motors Course Fee	138.00
1/4/2017	Eric Grabowski	Advance Water Treatment Course Fee	229.80
1/4/2017	Eric Grabowski	Pesticide Reg. License Certificate	120.00
1/4/2017	Gerardo Herrera	General Ed Course Fee	210.15
1/4/2017	Henry Islas	Water Dist. Sys. O&M Course Fee	171.68
1/4/2017	Scott Lewis	Car Rental	424.38
1/4/2017	Scott Lewis	Lodging	498.85
1/4/2017	Scott Lewis	OSU Fall Tuition	1,842.31
1/4/2017	Michael Moler	Reimburse Mileage	102.60
1/4/2017	Robert Vasquez	D4 Certificate	105.00

Casitas Municipal Water District Reimbursement Disclosure Report (1) Fiscal Year 2016/17 July 1, 2016-June 30, 2017

1/18/2017	Luke Soholt	Treatment 4 Certificate Exam Fee	130.00
1/18/2017	James Word	Mileage Reimbursement	101.52
1/25/2017	Greg Romey	Lunch for District CPR Training	142.37
1/25/2017	Gonzalo Carbajak-Ramirez	Safety Boot Purchase	170.00
1/25/2017	Brian Taylor	Welding Supplies for Robles Canal	106.37
2/1/2017	Eric Grabowski	Safety Boot Purchase	170.00
2/15/2017	Joe Evans	Office Equipment	373.62
2/15/2017	Scott Lewis	OR Chapter American Fisheries Society Membership	150.00
2/15/2017	Scott Lewis	Airfare to CMWD 1/21-1/25	429.86
2/15/2017	Scott Lewis	Car Rental	448.97
3/2/2017	Carol Belser	Quagga/Zebra Mussel Water Agency Summit	394.00
3/2/2017	Carol Belser	Quagga/Zebra Mussel Water Agency Summit Hotel	388.38
3/2/2017	Curtis Orozco	Safety Boot Purchase	118.51
3/2/2017	Steven Sharp	Safety Boot Purchase	170.00
3/2/2017	Luke Soholt	Safety Boot Purchase	170.00

Note:

1) Reimbursement Disclosure Report prepared pursuant to California Government Code 53065.5

CASITAS MUNICIPAL WATER DISTRICT INTEROFFICE MEMORANDUM

TO: STEVE WICKSTRUM, GENERAL MANAGER
FROM: NEIL COLE, PRINCIPAL CIVIL ENGINEER

SUBJECT: RESOLUTION ADOPTING THE NOTICE OF EXEMPTION FOR THE UPPER RINCON MAIN

REPLACEMENT

DATE: MARCH 2, 2017

RECOMMENDATION:

It is recommended that the Board of Directors:

1. Adopt the Notice of Exemption or;

2. Direct staff to prepare a more detailed initial study.

BACKGROUND AND DISCUSSION:

The proposed project consists of replacing approximately 1800' of the existing Rincon Main pipeline. The location of the pipeline will be moved away from the creek and into the shoulder of Casitas Pass Road (Highway 150). The pipeline size will not change. A pressure regulating station may be relocated as part of the project.

The Notice of Exemption is needed now in order to obtain an encroachment permit from the California Department of Transportation for the new pipeline.

This project is included in the FY 2016-17 Budget. As it is unlikely that Casitas will be able to complete the California Department of Transportation encroachment permit process and construction by the end of the fiscal year, this project is also be included in the proposed FY 2017-18 Budget.

CASITAS MUNICIPAL WATER DISTRICT

RESOLUTION ADOPTING THE NOTICE OF EXEMPTION, AND DIRECTING THE NOTICE OF EXEMPTION TO BE FILED WITH THE CLERK OF THE COUNTY OF VENTURA UPPER RINCON CREEK PIPELINE REPLACEMENT PROJECT

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

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

- 1. The Board finds that the replacement of a portion of the Upper Rincon Creek pipeline and pressure regulating station meets the requirements of Public Resources Code 21080.21 and Section 15282(k) of the CEQA guidelines.
- 2. That the Notice of Exemption for the replacement of a portion of the Upper Rincon Creek pipeline and pressure regulating station attached hereto as Exhibit "A" is hereby adopted.
- 3. That the Clerk of the Board files the Notice of Exemption with the Clerk of the County of Ventura.

ADOPTED this 08th day of March, 2017.

	President, Casitas Municipal Water District
ATTEST	
Secretary,	
Casitas Municipal Water District	

. NOTICE OF EXEMPTION

Project Coation - City: Unincorporated Project Location - County: Ventura Description of Nature, Purpose and Beneficiaries of Project Infer existing and replacement pipeline has experience leaks in the past and is nearing the end of its Useff life. The existing pipeline has experience leaks in the past and is nearing the end of its Useff life. Name of Public Agency Approving Project: Casitas Municipal Water District Exempt Status: (check one) Ministerial (Sec. 21080(b)(1): 1526(s)): Emergency Project is a replacement pipeline with no increase capacity meeting the requirements of Public Resources Code 21080.21 and CEQA Guideline Section 15282(k) Lead Agency County Clark Ventura 1055 Ventura Ave Oak View, CA 93022 (Addition) (Addition	Notice of Exemption	
Project Location - Specific: The project is located adjacent to Casitas Pass Road (HWY 150) near the border of Ventura and Santa Barbara Counties at approximately Post Mile 0.5. Project Location - City: Unincorporated Project: The project will replace up to 1800 feet of the Upper Rincon Creek pipeline. The pipeline serves potable water for domestic and agricultural use to portion of western Ventura County. The existing pipeline has experience leaks in the past and is nearing the end of its usefulidate in the shoulder of Highway 150. Name of Public Agency Approving Project: Casitas Municipal Water District Name of Person or Agency Carrying Out Project: Casitas Municipal Water District Exempt Status: (check one) Ministerial (Sec. 21080(b)(1): 15268): Casitas Municipal Water District Exempt Status: (check one) Ministerial (Sec. 21080(b)(1): 15268): Casitas Municipal Water District Exempt Status: (check one) Ministerial (Sec. 21080(b)(4): 15269(b)(c)): Categorical Exemptions. State type and section number: Public Resources Code 21080.21 & Section 15282(k) Categorical Exemptions. State type and section number: Public Resources Code 21080.21 and CEQA Guidelines The project is a replacement pipeline with no increase capacity meeting the requirements of Public Resources Code 21080.21 and CEQA Guideline Section 15282(k) Area Code/Telephone/Extension: (805)649-2251 If filed by applicant: 1. Attach certified Jocument of Agency Date: 3 Z 17 Title: Principal Civil Expineer Signature: Date: 3 Z 17 Title: Principal Civil Expineer Signature: Date: 3 Z 17 Title: Principal Civil Expineer	Sacramento, CA 95812-3044 County Clerk Ventura County of 800 South Victoria Avenue	1055 Ventura Ave Oak View, CA 93022 (Address)
Description of Nature, Purpose and Beneficiaries of Project: The project will replace up to 1800 feet of the Upper Rincon Creek pipeline. The pipeline serves potable water for domestic and agricultural use to portion of western Ventura County. The existing pipeline has experience leaks in the past and is nearing the end of its useful life. The existing and replacement pipeline will be 6 inch nominal size. The replacement pipe will be located in the shoulder of Highway 150. Name of Public Agency Approving Project: Casitas Municipal Water District Exempt Status: (check one) Ministerial (Sec. 21080(b)(1): 15268); Declared Emergency (Sec. 21080(b)(4): 15269(a)); Emergency Project (Sec. 21080(b)(4): 15269(b)(c)); Categorical Exemption. State type and section number: Statutory Exemptions. State code number: Public Resources Code 21080.21 & Section 15282(k) of the CEQA Guidelines The project is a replacement pipeline with no increase capacity meeting the requirements of Public Resources Code 21080.21 and CEQA Guideline Section 15282(k) Lead Agency Contact Person: Neil Cole Area Code/Telephone/Extension: (805)649-2251 If filed by applicant: 1. Attach certified document of scorption finding. 2. Has a Notice of Entryption soph finding. 2. Has a Notice of Entryption soph finding. 3. Has a Notice of Entryption soph finding. 3. Has a Notice of Entryption soph finding. 3. Has a Notice of Entryption soph find by the public agency approving the project? Date: 3 Z 17 Title: Tribus Civil Engineer Signature: Date at Police Counter of Police Civil Engineer	Project Location - Specific: The project is local	ted adjacent to Casitas Pass Road (HWY 150) near the border of
Name of Public Agency Approving Project: Casitas Municipal Water District Name of Person or Agency Carrying Out Project: Casitas Municipal Water District Exempt Status: (check one) Ministerial (Sec. 21080(b)(1); 15268); Declared Emergency (Sec. 21080(b)(4); 15269(a)); Emergency Project (Sec. 21080(b)(4); 15269(b)(c)); Categorical Exemptions. State type and section number: Statutory Exemptions. State type and section number: Statutory Exemptions. State code number: Public Resources Code 21080.21 & Section 15282(k) Reasons why project is exempt: Of the CEQA Guidelines The project is a replacement pipeline with no increase capacity meeting the requirements of Public Resources Code 21080.21 and CEQA Guideline Section 15282(k) Lead Agency Contact Person: Neil Cole	Description of Nature, Purpose and Beneficiaries of Pr Creek pipeline. The pipeline serves po Ventura County. The existing pipeline	oject: The project will replace up to 1800 feet of the Upper Rincon table water for domestic and agricultural use to portion of western has experience leaks in the past and is nearing the end of its useful.
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15282(k) Lead Agency Contact Person: Neil Cole	Declared Emergency (Sec. 21080(b)(3); 15269(b) Emergency Project (Sec. 21080(b)(4); 15269(b) Categorical Exemption. State type and section r Statutory Exemptions. State code number: P	(c); number: ublic Resources Code 21080.21 & Section 15282(k) f the CEQA Guidelines
Lead Agency Contact Person: Neil Cole Area Code/Telephone/Extension: (805)649-2251 If filed by applicant: 1. Attach certified document of exemption finding. 2. Has a Notice of Exemption for filed by the public agency approving the project? Signature: Date: 3/2/17 Title: Principal Civil Engineer Signature: Date received for filing at OPR:	•	ces Code 21080.21 and CEQA Guideline Section
Signed by Lead Agency Date received for filing at OPR:	Lead Agency Contact Person: Neil Cole If filed by applicant: 1. Attach certified document of exemption finding	blic agency approving the project? Yes No
	Date recer	ved for filing at OPR:

Revised 2005

CASITAS MUNICIPAL WATER DISTRICT INTEROFFICE MEMORANDUM

TO: STEVE WICKSTRUM, GENERAL MANAGER

FROM: NEIL COLE, PRINCIPAL CIVIL ENGINEER

SUBJECT: PROPOSED RECOMMENDATION FOR APPROVAL OF CONTRACT FOR THE

DISTRICT OFFICE REMODEL- SPECIFICATION 17-392

DATE: FEBRUARY 16, 2017

RECOMMENDATIONS:

It is recommended that the Board of Directors: (1) adopt a resolution accepting the proposal submitted through the National Joint Powers ezIQC process, Specification 17-392 to Staples Construction Company, Inc. of Ventura, California in an amount not to exceed \$960,685.30 for the District Office Remodel; (2) authorize the President of the Board to execute the agreement with Staples Construction Company, Inc. for the District Office Remodel work; and (3) authorize District staff to proceed with the administration of this contract.

BACKGROUND AND DISCUSSION:

Casitas' Board has authorized the filling of several new positions. The people filling these positions will need productive work space. In addition, the current Board Room location is less than optimal for site security and public convenience.

In January 2016, the Board approved an agreement with Main Street Architects + Planners to complete plans and specification to relocate the Board Room upstairs and provide additional office and work spaces within the current building. The District office building is over 60 years old. While the basement portion of the building has been modified several times over the years, the upstairs (referred to as the first floor in the original drawings) has seen very few updates. Building and fire codes have changed over the years. The plans and specifications include applicable code upgrades.

The project will relocate the Board Room to the area that is currently occupied by the Operation & Maintenance Department. The Operation & Maintenance Department, Water Conservation Department and lunch room will be relocated downstairs. Offices for the new Assistant General Manager and Human Resources Officer will be created upstairs.

This project DOES NOT include the audio visual component for the new Board Room. The audio-visual component of the Board Room will be completed under a separate "Design-Build" contract. The Request for Proposals on the Board Room audio-visual system is currently being prepared.

This project DOES NOT include any new furniture, including a new dais for the Board Room. Furniture and the new dais will be purchased separately.

BID PROCESS:

As you know, Casitas is a member of the National Joint Powers Alliance, which is a public agency dedicated to serving education and government entities with solutions which are more efficiently delivered cooperatively than by an entity individually. This includes, but is not limited to, the bidding of public construction contracts and purchasing.

Casitas, through the National Joint Powers Alliance, advertised and noticed a bid for an indefinite quantity construction (IQC) agreement regarding the District Office Remodel. The low responsible and responsive bidder for the Santa Barbara region, which includes Ventura County, was Staples Construction Company, Inc. The work tasks in the IQC agreement are bid at unit costs. Virtually all of the work required by the plans and specifications is covered by these unit costs. In the few areas where there are not unit costs, Staples Construction Company is required to obtain three separate bids for that work in order to obtain the best price for the District.

If the Board awards this contract to Staples Construction Company, Casitas' would be "piggy backing" on the National Joint Powers Alliance contract. This contract is administered by Gordian on behalf of the National Joint Powers Alliance. Gordian created ezIQC to make its industry-leading Job Order Contracting (JOC) Solutions easily available through cooperative purchasing. JOC is an indefinite delivery/indefinite quantity procurement process that helps facility and infrastructure owners complete a large number of repair, renovation and straightforward new construction projects with a single, competitively-bid contract. Unlike traditional bidding where each project is identified, designed and then put out to bid, ezIQC establishes competitively-bid prices up front and eliminates the need to bid each project separately. The ezIQC process will expedite the completion of the building remodel by reducing the time necessary to bid the project. The ezIQC process also saves Casitas money by reducing the staff time necessary during the bidding process. Time is of the essence as the Assistant General Manager is to begin work this week.

The bidding process used by the National Joint Powers Alliance for the IQC agreement meets the requirements of Public Contract Code Section 20642. California Public Contract Code Section 20644 allows the Board to approve this type of procurement.

The ezIQC contract was advertised on July 2, 2013 on the National Joint Powers Alliance web site and in the local area newspapers. Pre-bid seminars were conducted in Ventura. Bids were received from ten contractors. Staples Construction Company of Ventura was the low bidder for the Ventura area for the unit costs associated with the District Office Remodel.

Construction is expected to take 5 months to complete.

Fiscal Impacts:

\$355,000 was included in the FY 2016-17 budget for this project. \$68,090 (this includes 1 change order) has and will be expended for design and assistance during construction. This leaves \$286,910 for construction. An additional \$673,775.30 from reserves is required to complete this phase of the project. The estimate to complete the audio-visual component for the Board Room and purchase furniture where needed is \$150,000.

CASITAS MUNICIPAL WATER DISTRICT

BOARD OF DIRECTORS

FOR DISTRICT OFFICE REMODEL SPECIFICATION 17-392

- **WHEREAS,** Casitas Municipal Water District desires to provide productive work spaces for an expanded work force and provide a safe and functional Board of Directors Room for its public meetings, and
- **WHEREAS**, Casitas Municipal Water District can accomplish the goal of providing productive work space and a safe, functional Board Room by remodeling the current District building, and
- **WHEREAS**, Casitas Municipal Water District entered into an agreement with Main Street Architects + Planners, Inc. to prepare construction plans and specifications to remodel the existing building and those plans and specifications are now complete, and
- **WHEREAS**, Casitas Municipal Water District desires to have the additional work spaces and Board Room available as soon as possible, and
- **WHEREAS**, Casitas Municipal Water District is a member of the National Joint Powers Alliance, and
- **WHEREAS**, the National Joint Powers Alliance has bid and awarded an indefinite quantity construction contract for the Ventura area, and
- **WHEREAS**, by using the National Joint Powers Alliance indefinite quantity construction contract Casitas Municipal Water District will save significant time in completing the District Office Remodel Project, and
- **WHEREAS**, it was determined that Staples Construction Company, Inc. of Ventura was the lowest responsible and responsive bidder for the District Office Remodel project; and
- **WHEREAS**, the National Joint Powers indefinite quantity contract, managed by Gordian Inc. and constructed by Staples Construction Inc. of Ventura will complete the District Office Remodel Project for the sum of \$960,685.30; and
- WHEREAS, the use of the National Joint Powers Alliance indefinite quantity construction contract bidding process is compliant with the California Public Contracts Code.
- **NOW, THEREFORE, BE IT RESOLVED** that the Board of Directors of the Casitas Municipal Water District acts as follows:
- 1. Accept the National Joint Powers Alliance proposal by Staples Construction Inc. of Ventura in the amount of \$960,685.30 for construction of the District

Office Remodel, Specification 17-392;

2. projec	Award a contract to Staples Construct and Authorize the President of the Bo	tion Company, Inc. for the District Office Remodel pard to execute that contract; and
3.	Authorize and direct District staff to pr	oceed with the administration of the contract.
	ADOPTED this day of	, 2017.
ATTE	ST:	President, Casitas Municipal Water District Board of Directors

Secretary,
Casitas Municipal Water District
Board of Directors

CASITAS MUNICIPAL WATER DISTRICT INTEROFFICE MEMORANDUM

TO: STEVEN E. WICKSTRUM, GENERAL MANAGER

FROM: TODD EVANS, ASSISTANT ENGINEER

SUBJECT: AUTHORIZE GENERAL MANAGER TO SIGN AN AGREEMENT FOR

PROFESSIONAL SERVICES

DATE: 3/3/2017

Recommendation:

It is recommended that the Board of Directors authorize the General Manager to enter into an agreement for professional services with IDModeling Inc., for the sum not to exceed \$50,000.00

Background and Discussion:

The District is interested in updating operations to run more efficiently. In an effort to achieve this goal, it was apparent the District needed to invest in a Geographic Information System (GIS) and a Computerized Maintenance Management System (CMMS)

A request for qualifications (RFQ) was published. Several firms were contacted and asked to submit their qualifications. See the list below:

<u>FIRM</u>	RESPONSE
DCSE / Spatial Wave	Submitted
California CAD Solutions	Submitted
HD Supply Waterworks / iWater	Submitted
Z World GIS	Submitted
Miller Spatial Services	Submitted
Davey Resource Group	Submitted
Nobel Systems	Submitted
IDModeling (Sedaru)	Submitted
VNuIT LLC	Submitted
Timmons Group	Submitted
MRF Geosystems Corp	Submitted

After carefully reviewing qualifications from all firms that submitted, ID Modeling (Sedaru) was selected as the firm with experience and qualifications that most closely aligned with the desired goals set forth in the Request for Qualifications.

This agreement with IDModeling Inc. will produce a functioning GIS system and a basic CMMS system for the District. The GIS system will be stored on a new Casitas server that will be purchased separately. The CMMS system will be field accessible. Significant staff time will be required to implement the GIS and CMMS system and some of this work has already been completed by staff. However, in the long run, the GIS and CMMS system should save staff resources. Once the system is operational, additional software modules can be added to expand the capabilities of the system.

\$75,000 was budgeted in the FY 2016-17 Budget for implementation of a GIS system. This item is the main component of the GIS implementation. Other items include the previously approved ESRI software license that is shared with Carpinteria Valley Water District, a GIS dedicated server (included in the proposed FY 2017-18 budget) and annual license fees. The GIS portion of the project must be functional before the CMMS can be set-up.

MEMORANDUM

TO: Board of Directors

From: Steven E. Wickstrum, General Manager

RE: Request to Proceed with the Hiring of Park Ranger Personnel

Date: March 2, 2017

RECOMMENDATION:

It is recommended that the Board of Directors authorize and direct the General Manager to proceed with the hiring process for staffing the Park Ranger positions.

BACKGROUND:

The Board and staff have been committed to the direction of developing the staffing and policies that will provide a safe environment for the visiting public at the Lake Casitas Recreation Area – and this would be done with the formation of limited peace officer positions and sound policy. The District has proceeded with the initial hiring process to fill the positions of Park Ranger and delaying the final selection and hiring until such time that the Park Ranger Policy Manual has been adopted by the Board of Directors. The Policy Manual has been reviewed by the ad hoc committee and is presently being reviewed by the SEIU Local 721 members. It is anticipated that a final draft of the Park Ranger Policy Manual will be ready for the Board's adoption by mid-April 2017. The candidates for the Park Ranger positions have completed the District's interview process, agility test, background investigation, and are awaiting the psychological evaluation. It should also be noted that each of the candidates have completed the PC 832 training.

DISCUSSION:

At this time, staff requests that the hiring process proceed with parallel timing of the Policy Manual finalization, rather than postponing hiring for a completed Policy Manual and then complete the hiring process. The psychological evaluation and reporting of results is likely to take three to four weeks and it is very likely that any one candidate could be delayed from reporting to the District at least one month with proper notice to their current employer. The postponement of hiring will extend out meeting the staffing needs of the Recreation Area until mid-June 2017, or longer, shortens the time for training of new staff before the tourist season

at Lake Casitas, and may cause a loss of interested candidates, resulting in repeated hiring efforts that have already been expended by the District.

Staff request that the Board authorize the General Manager to proceed with the hiring process to staff the Park Ranger positions.

CASITAS MUNICIPAL WATER DISTRICT Inter-Office Memorandum

DATE:

March 3, 2017

TO:

Board of Directors

FROM:

Denise Collin - Accounting Manager / Treasurer

Re:

Recommendation to Set Reserves

RECOMMENDATION:

Reserves calculated for the 2015 / 2016 fiscal yearend have resulted in a balance of \$7,384,198., in Un-Restricted, Un-Designated funds.

It is recommended to split and designate the \$7,384,198. as follows;

- Increase Storm Damage by \$1,500,000., bringing the Reserve Balance to \$3,979,850.
- Increase Variation in Water Sales by \$2,000,000., bringing the total to \$5,479,850.00.
- Increase Capital Improvements by \$2,000,000., bringing the total to \$5,000,000.
- Increase Other Post Employee Benefit (OPEB) by \$1,384,100., bringing the total to \$4,134,100.00.
- Designate to Un-Restricted Alternate Water Supply Study Reserve \$500,000.

The Designation of the above would result in a balance of \$98. in Un-Designated, Un-Restricted Reserves.

BACKGROUND AND OVERVIEW:

The District contracted with the Bureau of Reclamation in 1972 to construct a Storage and Conveyance System (the Dam). The repayment schedule was scheduled for 40 years and was satisfied in 2012.

The Districts Reserves in the previous years included a calculation of funds that were Restricted during the Debt Service Contract with the Bureau of Reclamation. These funds are now available to Designate in Un-Restricted Designated Funds.

It is recommended to amend the Restriction of funds due to the satisfaction of the contract and Designate the funds as outlined above.

June 30th, 2016			
General Fund Balance - Rabobank	5,343,739.39		
Visa - Rabobank	38,872.00		
LAIF	448.12		
Morgan Stanley - Investments	19,402,433.93		
Morgan Stanley - Money Market	46,262.11		
County of Ventura Investment (C.O.V.I.)	2,852.02		
Total Reserves	_	24,834,607.57	
Less: Restricted:			
Due to Mira Monte Fund	119,364.15		
Due to CFD Fund	453,405.37		
Capital Facilities	2,065,627.82		
Safe Drinking Water	60,000.00		
Flexable Storage	42,312.00		
-	_	2,740,709.34	
Total available for Un-Restricted		22,093,898.23	

Restricted:		
Due to Mira Monte Fund		119,364.15
Due to CFD Fund		453,405.37
Capital Facilities		2,065,627.82
Safe Drinking Water		60,000.00
Flexable Storage		42,312.00
Total Restricted	2	2,740,709.34
Un-Restricted (designated funds)		
Cash Flow	3,000,000.00	P 1 44
Storm Damage	3,979,850.00	4 1 3 1 1 1
Variation in Water Sales	5,479,850.00	
Capital Improvements	5,000,000.00	
OPEB	4,134,100.00	
Alternate Water Supply Studies	500,000.00	
Total Un-Restricted (designated funds)	22,093,800.00	
Un-designated funds 7/01/16	98.23	
Total Un-Restricted	22	,093,898.23
Total Reserves 2016/2017	24	,834,607.57

Restricted funds = Funds restricted by a third party and/or for Debt Service Fund. Designated funds = Funds designated by Board for specific purpose.

CASITAS MUNICIPAL WATER DISTRICT INTEROFFICE MEMORANDUM

TO: NEIL COLE, PRINCIPAL CIVIL ENGINEER

FROM: JORDAN SWITZER, ENGINEERING TECHNICIAN

SUBJECT: LAKE CASITAS MONTHLY STATUS REPORT FOR FEBRUARY, 2017

DATE: MARCH 3RD, 2017

RECOMMENDATION:

This item is presented for information only and no action is required.

DISCUSSION:

Rainfall Data for February, 2017

	Casitas Dam	Matilija Dam*
February, 2017	12.91"	13.06"
Water Year (WY) to Date (Oct 1-Sep 30)	29.48"	31.19"
Average Annual Rainfall	23.70"	28.33"

^{*}Matilija Dam rain gage malfunctioning during Oct – Jan of Water Year 2017. Matilija Canyon rain gage used to represent rainfall at Matilija Dam for that period.

Robles Fish Passage and Diversion Facilities

Diversion Data

January 2017: 4,482 A.F. Total Diversions to Date: 5,060 A.F. Diversion Days in January: 21 Diversion Days this WY: 25

Reservoir Data

Water Surface Elevation (02/28/17): 500.08 feet
Water Storage on March 1st, 2017: 110,042 A.F.
Water Storage Last Month: 93,394 A.F.
Net Change in Storage + 16,648 A.F.

Change in Storage from February 29, 2016: + 2,611 A.F.

February, 2017 Monthly Diversions

Day	Diversions (af)
1-Feb	0
2-Feb	0
3-Feb	0
4-Feb	0
5-Feb	0
6-Feb	195.10
7-Feb	123.20
8-Feb	46.21
9-Feb	15.30
10-Feb	4.43
11-Feb	31.37
12-Feb	14.63
13-Feb	6.01
14-Feb	0.81
15-Feb	0
16-Feb	0
17-Feb	121.62
18-Feb	628.18
19-Feb	874.85
20-Feb	568.25
21-Feb	431.77
22-Feb	328.34
23-Feb	255.94
24-Feb	207.26
25-Feb	171.32
26-Feb	168.97
27-Feb	155.21
28-Feb	132.80
Total:	4481.57

CASITAS MUNICIPAL WATER DISTRICT

HYDROLOGY REPORT WATER YEAR 2015 - 2016

March 02, 2017

Prepared by Jordan Switzer – Engineering 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 reports. This is an annual report that presents information and data for the 2015 – 2016 Water Year (2016 WY).

Water Year 2015 - 2016 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 2016 WY began on October 01, 2015, and ended September 30, 2016.

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 2016 WY.

- 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 15.06 inches for the 2016 WY. This fell below the long-term average of 24.79 inches and marks the fifth consecutive year where annual rainfall failed to exceed 60% of the average for the previous fifty years. Casitas Dam received 14.64 inches while Matilija Dam received 16.20 inches.

There were two rain events that accounted for the bulk of the cumulative precipitation. From January 05 through 07, 2016; 6.01 inches fell at Casitas Dam, while 2.99 inches fell over a two-day period in early March. The highest monthly rainfall total was in January where 7.20 inches fell at Casitas Dam.

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 as antecedent soil and groundwater conditions prevented rainfall to amount to significant runoff.

Preliminary data provided by VCWPD indicate discharge from North Fork Matilija Creek totaled 357 acre-feet (AF) for the water year. Discharge from Matilija Dam measured at the Matilija Hot Springs gage, totaled 1,197 AF with a peak flow of 39 cfs on January 31st, 2016.

Surface flow was intermittent at the measurement weir of the Robles Fish Passage and Diversion Facility (Robles) from January 05 through April 13 of 2016. During that period, 316 AF were released downstream. The diversion canal was not operated during the 2016 water or calendar year. Inflow peaked at approximately 50 cfs on January 31st with a maximum daily average of 18 cfs. 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 192 AF were measured at the Santa Ana Creek gage while 1,199 AF were estimated at the Coyote Creek gage for the 2016 Water Year. The Coyote Creek station experienced reading errors as a small landslide in an upstream tributary deposited sediment at the gaging site. The instrumentation was partially buried and the cross section was temporarily altered. Due to the remote location of the station, streamflow was estimated from gage data and limited visual observations.

 <u>Lake Storage & Deliveries</u> – 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 2016 WY. Lake elevation was 502.80 feet MSL on October 01, 2015 and ended on September 30, 2016 at 489.00 feet MSL, corresponding to 93,464 AF of storage in Lake Casitas at the end of the WY. January was the only month with a net gain in storage (312 AF). The reservoir's 13.8-foot drop in elevation resulted in a net loss of 20,964 AF. Since the start of the 2012 WY, Reservoir storage is down 116,000 AF and is the lowest it has been since 1966.

Water deliveries from the reservoir to the main conveyance system totaled 15,559 AF for the WY. This is nearly identical to deliveries in 2015 and down 23% from 2014. Due to low groundwater levels and taking the well offline for inspection; there was no

production from the Mira Monte well during the 2016 WY. The well returned to service in October of 2016.

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.

O 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 2016 calendar year: highest monthly maximum (February and June for Casitas Dam), and highest monthly average (October for Casitas Dam; February for Recreation).

Hydrology Stations

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

Reservoir water surface elevations:

- 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: Reservoir water surface elevations:

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

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.

<u>Historical Hydrology Period – Water Years 1959 through 2016</u>

The historical data has been updated for the reporting period and is presented for the period from 1959 through 2016. The historical data includes summaries for the Casitas Reservoir operation, Robles Diversion, rainfall, and ambient air temperature.

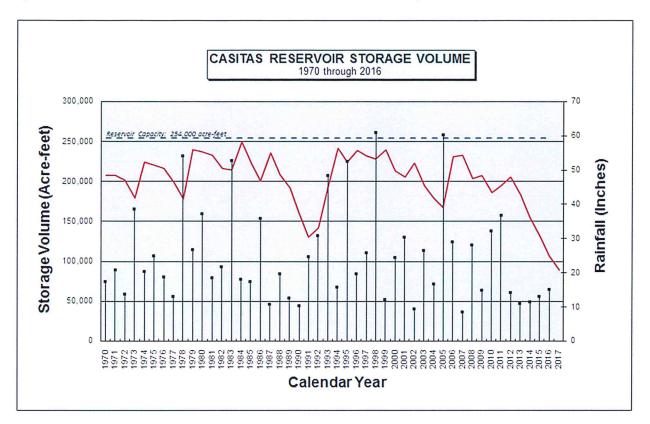


Figure 1. Storage volume, represented by a solid line, is reservoir storage at the start of each calendar year (elevation measured on last day of previous calendar year). Rainfall, represented by data points with drop lines, is the three-station water year average for Casitas Dam, Casitas Recreation 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.

<u>Ten-Year Moving Average of Mean Precipitation</u>. 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 trendline. Previous downward trends have lasted between 4 and 19 years; the current trend has lasted 15 years. This trend does not guarantee or predict future occurrences.

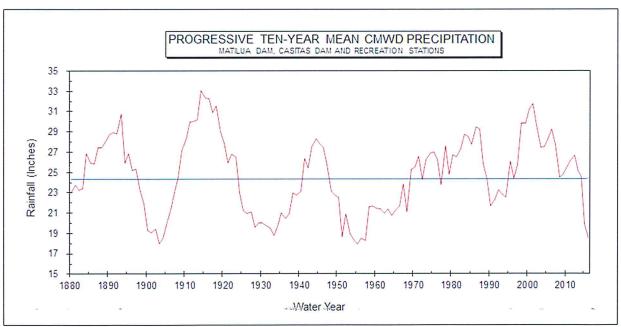


Figure 2. The ten-year moving average is represented by the solid line traversing across the overall average for the period (24.4 inches). Rainfall data for all three stations are available since 1959, rainfall prior to 1959 was assembled using comparable nearby stations and/or correlation factors with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

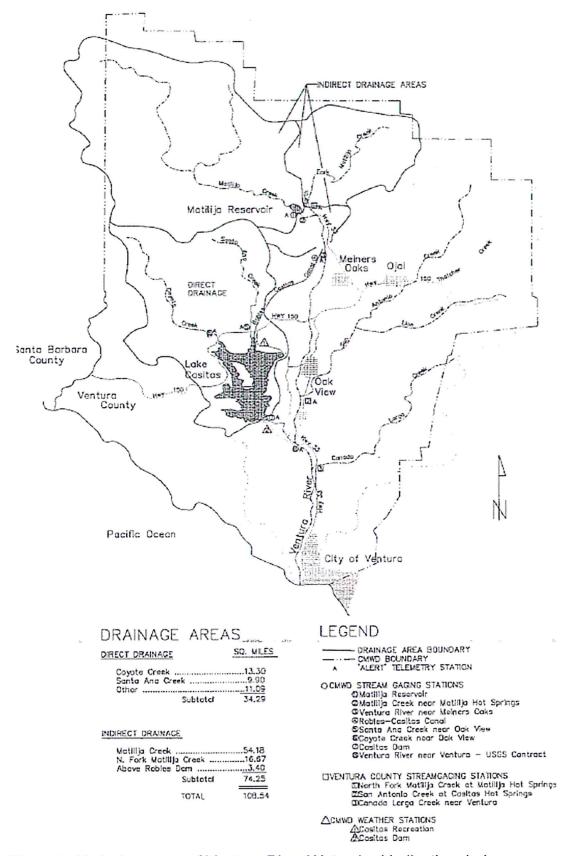


Figure 3. Hydrology map of Ventura River Watershed indicating drainages boundaries, stream gaging stations, and weather stations.

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 2015 - 2016 WATER YEAR

(All volumes in acre-feet)

S CHANGE	IN STORAGE	-2691	-2517	-2101	312	-640	-464	-1540	-1751	-2131	-2376	-2637	-2429	N/A	-20964
RESERVOIR RELEASES	SPILLS	0	0	0	0	0	0	0	0	0	0	0	0	N/A	0
ESERVOIR	TO MAIN SYSTEM	1760	1528	1476	486	869	610	1026	1220	1542	1700	1826	1689	N/A	15559
<u>~</u>	EVAP	523	353	186	122	293	298	407	425	539	601	535	419	N/A	4700
	PRECIP	55	9	20	902	294	503	99	4	0	0	0	0	N/A	1883
INFLOW	TOTAL	-463	-642	-489	15	99	-59	-174	-110	-50	-75	-276	-321	N/A	-2588
RESERVOIR INFLOW VENTURA	RIVER DIVERSIONS	0	0	0	0	0	0	0	0	0	0	0	0	N/A	0
	DIRECT	-463	-642	-489	15	99	-59	-174	-110	-50	-75	-276	-321	N/A	-2588
OIR is month)	STORAGE	114428	11,737	109220	107119	107431	106791	106327	104787	103037	100906	98530	95893	93464	
RESERVOIR (last of previous month)	ELEVATION (ft)	502.80	501.14	499.56	498.22	498.42	498.01	497.71	496.71	495.56	494.14	492.53	490.71	489.00	
I	MONTH EL	OCT 2015	NOV 2015	DEC 2015	JAN 2016	FEB 2016	MAR 2016	APR 2016	MAY 2016	JUN 2016	JUL 2016	AUG 2016	SEP 2016	OCT 2016	TOTAL

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

CASITAS RESERVOIR OPERATION OCTOBER 2015

*figures in acre-feet except where otherwise noted

	1	STORAGE	CHANGE		96-	66-	76- (.48	-16) -65	.82	86-	86- (86-	96-	.82	86- (116	76- (96- 0	-114	-113	76-	-112	76-	.82	-64	76-	.48	-81	-81	-80		-65	-98	-2691
ES			Spill		_	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	0	0	0	
RELEASES		2	River		_	0		9	9	8	2	_	0	_	9	_	0	0	_	_	°	9	_	~		_	_	0	0	0	0	0	0	0	0	
Ľ	욘	Main	System		10	69	45	33	43	48	62	61	70	61	45	61	70	69	61	57	48	36	61	63	29	61	61	49	40	57	64	62	61	99	49	1760
TION		Lake	Total	(0	0	0	_	53	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	55
PRECIPITATION	at	Rec	(in)		0	0	0	0.00	0.40	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.40
PRE	at	Dam	(in)	(0	0	0	0.02	0.38	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.41
		Lake	Total	Č	00	2	10	11	0	13	16	12	24	22	23	56	20	21	18	15	15	16	19	15	16	18	13	14	14	15	20	12	20	22	20	523
EVAPORATION	Pan	@Rec	(in)	0		0.05	0.15	0.13	0.00	0.14	0.17	0.18	0.18	0.19	0.26	0.19	0.18	0.18	0.21	0.21	0.17	0.16	0.18	0.14	0.17	0.17	0.12	0.16	0.18	0.13	0.18	0.17	0.14	0.18	0.20	5.06
EV/	Pan	@Dam	(in)		0.00	0.02	0.04	0.08	00.00	0.11	0.15	90.0	0.29	0.25	0.20	0.33	0.21	0.24	0.15	0.09	0.13	0.15	0.20	0.16	0.14	0.18	0.13	0.12	0.10	0.17	0.21	0.07	0.26	0.25	0.20	5.27
			Total	•	-	-25	-43	-5	-26	-5	ငှ	-25	4	-14	-30	9	ထု	-26	-18	-24	-51	-61	-16	-34	-15	ကု	10	-34	9	တု	က	-5	0	23	-29	-463
INFLOW	Ventura	River	Diversion	c	o	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	0	0	0	0
			Direct	*	-	-25	-43	-5	-26	ç-	ကု	-25	4	-14	-30	9	_φ	-26	-18	-24	-51	-61	-16	-34	-15	ဇှ	10	-34	9	6	3	-5	0	23	-29	-463
00 hrs.)	Surface	Area	(acres)	4600	0 1	1631	1631	1630	1630	1630	1628	1628	1626	1626	1624	1624	1623	1621	1621	1619	1618	1618	1616	1614	1614	1613	1613	1611	1611	1609	1609	1607	1607	1607	1606	
RESERVOIR (@ 2400 hrs.)	Sep 30th	114428	Storage	111000	20 1	114232	114134	114087	114070	114005	113924	113826	113728	113630	113533	113451	113353	113238	113141	113045	112931	112818	112722	112610	112512	112431	112366	112270	112221	112141	112060	111981	111900	111835	111737	
RESERV		ı	Elevation	502 74	1000	502.68	502.62	502.59	502.58	502.54	502.49	502.43	502.37	502.31	502.25	502.20	502.14	502.07	502.01	501.95	501.88	501.81	501.75	501.68	501.62	501.57	501.53	501.47	501.44	501.39	501.34	501.29	501.24	501.20	501.14	
			DATE	۲	- (2	က	4	2	9	7	80	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL

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

Direct reservoir inflow values may be negative due to innaccuracies 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

CASITAS RESERVOIR OPERATION NOVEMBER 2015

*figures in acre-feet except where otherwise noted

		STORAGE	CHANGE	-16	-48	-17	-64	-224	-159	-112	-64	-79	-80	-160	-160	-159	-144	-47	-48	-16	-64	-18	-111	-63	-142	-32	-95	-16	-95	-47	-63	-79	-95	-2517
		(Spill	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	0	0	0	0
RELEASES		은 ;	Kiver	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	0	0	0	0
REI	To	Main	System	39	42	48	57	58	56	54	30	41	58	63	69	59	40	39	47	62	55	9	63	54	38	65	62	54	42	46	44	38	26	1528
NOI		Lake	lotal	0	0	က	0	0	0	0	0	0	0	0	0	0	0	0	လ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
PRECIPITATION	aţ	Rec	(L)	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
PRE	at	Dam	(III)	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09
		Lake	lotal	13	16	9	13	4	14	12	14	12	14	12	11	12	12	10	o	13	10	11	11	20	18	16	10	7	13	9	7	9	80	353
EVAPORATION	Pan	@Rec	(III)	0.11	0.17	0.13	0.16	0.14	0.18	0.14	0.17	0.14	0.14	0.16	0.15	0.13	0.12	0.13	0.15	0.14	0.13	0.15	0.13	0.17	0.20	0.12	0.17	0.11	0.04	0.05	0.05	0.07	0.04	3.89
EVA	Pan	@Dam	(II)	0.17	0.16	0.00	0.11	0.15	0.11	0.12	0.13	0.11	0.15	0.10	0.09	0.13	0.14	0.09	0.03	0.14	0.07	0.08	0.11	0.24	0.17	0.21	0.04	0.04	0.24	0.08	0.10	90.0	0.12	3.49
		i	lotal	36	10	34	9	-152	-89	-46	-20	-26	ထု	-85	06-	-87	-92	2	5	09	-	53	-36	10	-87	20	-22	45	-39	2	-12	-35	-32	-642
INFLOW	Ventura	River	Diversion	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	0	0	0	0
			Diect	36	10	34	9	-152	-89	-46	-20	-26	φ-	-85	06-	-87	-92	7	5	09	_	53	-36	10	-87	20	-22	45	-39	2	-12	-35	-32	-642
0 hrs.)	Surface	Area	(acres)	1606	1606	1604	1604	1602	1601	1599	1599	1598	1598	1596	1594	1593	1591	1590	1590	1590	1590	1588	1588	1586	1584	1584	1584	1584	1583	1583	1581	1581	1579	
RESERVOIR (@ 2400 hrs.)	_	111737	Storage	111721	111673	111656	111592	111368	111209	111097	111033	110954	110874	110714	110554	110395	110251	110204	110156	110140	110076	110058	109948	109884	109742	109711	109616	109600	109505	109458	109395	109316	109220	
RESERV		I : i	Elevation	501.13	501.10	501.09	501.05	500.91	500.81	500.74	500.70	500.65	500.60	500.50	500.40	500.30	500.21	500.18	500.15	500.14	500.10	500.09	500.02	499.98	499.89	499.87	499.81	499.80	499.74	499.71	499.67	499.62	499.56	
		l i	DAIE	_	2	က	4	5	9	7	80	6	10	7	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL

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

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

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

Monthly Evaporation Coefficients:

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

CASITAS RESERVOIR OPERATION DECEMBER 2015

*figures in acre-feet except where otherwise noted

		STORAGE	CHANGE	-109	-32	-63	-63	-95	-32	-63	-79	-63	-79	-47	-49	-62	-47	0	-78	-78	-94	-16	-16	-77	-94	-110	-62	-62	-109	-62	-78	-94	-78	-109	-2101
			Spill	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	0	0	0	0	0
RELEASES		To	River	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	0	0	0	0	0
REL	To	Main	System	62	22	99	09	40	35	56	58	59	20	45	31	23	45	20	57	56	43	34	27	38	39	39	44	31	44	38	99	65	63	56	1476
NOI		Lake	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	56	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0	20
PRECIPITATION	at	Rec	(ii)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.16	0	0	0	0	0	0.20	0	0	0	0	0	0	0	0	0	0	0	0.36
PRE	at	Dam	(in)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.24	0	0	0	0	0	0.16	0	0	0	0	0	0	0	0	0	0	0	0.40
		Lake	Total	4	7	80	11	7	80	12	10	80	o	14	15	က	0	5	5	5	က	4	0	2	7	4	က	6	7	4	4	က	4	4	186
EVAPORATION	Pan	@Rec	(in)	0.04	0.07	0.08	0.15	0.10	0.15	0.12	0.12	0.09	0.16	0.15	90.0	0.08	0.00	0.01	0.03	0.07	0.01	0.03	0.00	0.02	0.05	90.0	0.04	0.02	0.04	0.04	0.03	0.02	0.03	0.04	1.91
EVA	Pan	@Dam	(in)	90.0	0.10	0.10	0.10	90.0	0.03	0.16	0.11	0.10	0.05	0.18	0.28	0.00	0.00	0.11	0.08	0.05	90.0	0.07	0.00	0.03	0.00	0.04	0.02	0.20	0.13	90.0	90.0	0.05	90.0	0.05	2.40
			Total	43	32	11	7	-47	11	2	-11	4	-20	7	4	-35	-28	55	-16	-17	-48	23	-12	-37	-53	-67	-16	-22	-58	-20	ထု	-26	-1	-50	-489
INFLOW	Ventura	River	Diversion	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	0	0	0	0	0
ē			Direct	-43	32	11	7	-47	11	5	-11	4	-20	1	4	-35	-28	55	-16	-17	-48	23	-12	-37	-53	- 67	-16	-22	-58	-20	φ '	-26	-11	-20	-489
0 hrs.)	Surface	Area	(acres)	1577	1577	1577	1575	1575	1575	1574	1574	1572	1572	1572	1570	1570	1570	1570	1568	1568	1567	1567	1567	1565	1565	1563	1563	1562	1560	1560	1560	1558	1556	1556	
RESERVOIR (@ 2400 hrs.)	2	109220	Storage	109111	109080	109016	108953	108858	108827	108764	108685	108621	108542	108495	108446	108384	108337	108337	108259	108181	108087	108072	108056	107979	107885	107774	107712	107650	107540	107478	107400	107306	107228	107119	
RESERV		.1	Elevation	499.49	499.47	499.43	499.39	499.33	499.31	499.27	499.22	499.18	499.13	499.10	499.07	499.03	499.00	499.00	498.95	498.90	498.84	498.83	498.82	498.77	498.71	498.64	498.60	498.56	498.49	498.45	498.40	498.34	498.29	498.22	
•			DATE	-	2	က	4	2	9	7	80	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL

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

Direct reservoir inflow values may be negative due to innaccuracies 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 2016

*figures in acre-feet except where otherwise noted

		STORAGE	CHANGE	7	1 6	- -	91-	-94	46	438	437	-16	-16	0	0	0	-31	-31	-16	0	-16	-62	0	94	-16	-62	0	-31	-16	-31	-31	-16	-16	-47	31	312
			Spill	c	0 0	0 0	Э (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	0	0
RELEASES		၀	River	c	0 0	0	Э (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	0	0
REI	욘	Main	System	S	9 6	20 0	17	28	17	12	-	12	11	1	10	1	17	16	11	16	13	13	17	14	17	4	15	10	12	18	41	20	20	15	80	486
NOI		Lake	Total	c	o c	> 0	o (0	30	284	485	_	0	7	_	0	0	0	0	0	0	လ	2	22	_	0	0	0	0	0	0	0	0	_	29	902
PRECIPITATION	at	Rec	(ii)	c	· c	> 0	O	0	0.00	2.70	3.50	0.00	0	0.05	0.00	0	0	0	0	0	0	0.00	0.05	0.42	0.00	0	0	0	0	0	0	0	0	0.00	0.00	6.72
PRE	aţ	Dam	(in)	c	0 0	> <	> (0	0.46	1.68	3.95	0.02	0	90.0	0.01	0	0	0	0	0	0	0.05	0.03	0.46	0.02	0	0	0	0	0	0	0	0	0.01	0.45	7.20
		Lake	Total	ď) 1	- 0	o (m	-	0	0	0	က	0	0	2	7	4	9	9	5	က	4	0	4	2	5	80	7	80	2	o	80	4	3	122
EVAPORATION	Pan	@Rec	(in)	0.05	0.06	5 6	0.04	0.06	0.03	0.00	0.00	0.00	0.01	0.00	0.01	0.02	0.00	0.05	0.10	0.09	0.09	0.08	0.09	0.00	0.05	0.10	90.0	0.11	0.08	0.11	90.0	0.13	0.13	0.08	0.08	1.77
EVA	Pan	@Dam	(in)	0	5 6	2 6	0.02	0.00	0.00	00.00	0.00	0.00	0.07	00.00	00.00	0.03	0.05	0.05	0.05	0.05	0.02	0.00	0.00	0.00	0.05	0.03	0.05	0.08	0.08	0.08	90.0	0.08	0.05	0.01	0.00	1.11
			Total	٥ <u>.</u> م	3 -	- a	٥ ٥	-64	34	166	-38	5	-5	4	10	13	-12	-11	2	22	2	-49	16	20	4	-43	20	-14	က	ç,	-12	14	12	-28	13	15
INFLOW	Ventura	River	Diversion	c	o C	o c	> 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	0	0	0
			Direct	٠ ٩	} ~	- α	0 3	-64	34	166	-38	5-	7-	4	10	13	-12	-1	2	22	2	-49	16	20	4	-43	20	-14 -14	က	-5	-12	41	12	-28	13	15
0 hrs.)	Surface	Area	(acres)	1555	1555	1555	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1553	1553	1558	1563	1563	1563	1563	1563	1563	1562	1562	1562	1562	1562	1562	1562	1562	1562	1562	1562	1562	1560	1560	1560	1560	1560	1560	1560	
RESERVOIR (@ 2400 hrs.)	Dec 31 st	107119	Storage	106979	106948	106932	100932	106838	106884	107322	107759	107743	107728	107728	107728	107728	107696	107665	107650	107650	107634	107572	107572	107665	107650	107587	107587	107556	107540	107509	107478	107462	107447	107400	107431	
RESERV		1	Elevation	498 13	498 11	408 10	100.00	498.04	498.07	498.35	498.63	498.62	498.61	498.61	498.61	498.61	498.59	498.57	498.56	498.56	498.55	498.51	498.51	498.57	498.56	498.52	498.52	498.50	498.49	498.47	498.45	498.44	498.43	498.40	498.42	
			DATE			1 "	7	4	വ	9	7	80	6	10	1	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL

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

Direct reservoir inflow values may be negative due to innaccuracies of the evaporation coefficients (supplied by the USBR) Evaporation and precipitation readings taken at approximately 8 a.m.

Monthly Evaporation Coefficients:

CASITAS RESERVOIR OPERATION FEBRUARY 2016

*figures in acre-feet except where otherwise noted

		STORAGE	CHANGE	172	-31	-31	-16	-31	-31	-16	-16	-16	-62	-31	-47	-31	-31	-31	-31	-47	78	-31	-62	-16	-47	-16	-62	-33	-31	-31	-46	-15	-640
			Spill	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	0	0	0
RELEASES		၀	River	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	0	0	0
REL	υ	Main	System	19	41	18	17	15	21	17	29	36	34	31	26	29	15	31	43	21	10	19	13	24	20	27	29	24	32	26	23	36	869
NOI		Lake	Total	198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96	0	0	0	0	0	0	0	0	0	0	0	294
PRECIPITATION	at	Rec	(ii)	1.80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.55	0	0	0	0	0	0	0	0	0	0	0	2.35
PRE(at	Dam	(in)	1.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.93	0	0	0	0	0	0	0	0	0	0	0	2.18
		Lake	Total	0	7	80	80	7	6	13	10	13	12	12	80	13	14	10	6	13	0	9	7	15	∞	10	12	15	11	10	14	12	293
EVAPORATION	Pan	@Rec	(ii)	0.00	0.04	0.07	0.05	0.09	0.09	0.10	0.12	0.13	0.13	0.12	0.03	0.12	0.12	0.13	0.10	0.10	0.00	0.10	0.10	0.09	0.11	0.13	0.12	0.13	0.12	0.12	0.12	0.11	2.79
EVA	Pan	@Dam	(in)	0.00	0.17	0.08	0.10	0.05	0.09	0.16	0.07	0.12	0.12	0.13	0.13	0.15	0.16	0.07	0.09	0.16	0.00	0.02	0.04	0.22	90.0	0.08	0.12	0.18	0.11	0.09	0.16	0.14	3.07
			Total	ထု	L-	φ	6	၀ -	7	4	23	33	-16	12	-13	1	-5	6	22	-13	ထု	9	-42	24	-18	22	-22	9	13	5	6-	33	99
NFLOW	Ventura	River	Diversion	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	0	0	0
=			Direct	_φ	7-	9-	6	6	\(\frac{1}{2}\)	14	23	33	-16	12	-13	1	-5	6	22	-13	ထု	φ	-42	24	-18	22	-22	9	13	2	6-	33	56
0 hrs.)	Surface	Area	(acres)	1562	1562	1560	1560	1560	1560	1560	1560	1560	1558	1558	1558	1558	1556	1556	1556	1556	1556	1556	1556	1555	1555	1555	1555	1553	1553	1553	1553	1553	
RESERVOIR (@ 2400 hrs.)	Jan 31 st	107431	Storage	107603	107572	107540	107525	107494	107462	107447	107431	107416	107353	107322	107275	107244	107213	107182	107150	107104	107182	107150	107088	107072	107026	107010	106948	106915	106884	106853	106807	106791	
RESERV		ı	Elevation	498.53	498.51	498.49	498.48	498.46	498.44	498.43	498.42	498.41	498.37	498.35	498.32	498.30	498.28	498.26	498.24	498.21	498.26	498.24	498.20	498.19	498.16	498.15	498.11	498.09	498.07	498.05	498.02	498.01	
			DATE	_	2	3	4	2	9	7	8	6	10	1	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	TOTAL

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

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

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

Monthly Evaporation Coefficients:

CASITAS RESERVOIR OPERATION MARCH 2016

*figures in acre-feet except where otherwise noted

		STORAGE	CHANGE	-45	-47	-62	-16	-31	231	77	33	-33	-15	-15	110	-31	-16	-17	-31	-31	-31	-31	-15	-30	-16	-62	-47	-31	-47	-31	-31	-63	-46	-46	-464
			Spill	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	0	0	0	0	0
RELEASES		၀	River	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	0	0	0	0	0
REL	욘	Main	System	42	40	18	19	41	6	10	12	13	12	12	10	11	16	18	6	16	20	18	22	20	18	20	26	26	25	23	21	26	34	30	610
NOI		Lake	Total	0	0	0	0	0	305	98	2	0	0	0	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	503
PRECIPITATION	at	Rec	(ii)	0	0	0	0	0	2.50	0.55	0.05	0	0	0	0.65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.25	0	4.00
PRE	at	Dam	<u>E</u>	0	0	0	0	0	2.21	0.78	0.02	0	0	0	0.72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	3.77
		Lake	Total	1	10	10	6	9	0	0	2	6	10	6	0	13	က	6	15	12	12	12	6	11	12	19	12	41	15	6	4	13	4	6	298
EVAPORATION	Pan	@Rec	(in)	0.13	0.08	0.12	0.08	0.08	0.00	0.00	0.00	0.04	0.10	0.09	0.00	0.12	0.00	0.08	0.12	0.11	0.11	0.08	0.10	0.11	0.07	0.12	0.12	0.10	0.08	0.09	0.13	0.07	0.00	0.08	2.41
EVA	Pan	@Dam	(in)	0.10	0.12	0.08	0.11	0.05	0.00	0.00	0.04	0.14	0.11	0.09	0.00	0.15	0.07	0.10	0.19	0.14	0.14	0.17	0.09	0.11	0.18	0.27	0.13	0.19	0.23	0.10	0.16	0.20	0.09	0.11	3.66
			Total	∞	ო	-34	13	-11	-64	-	42	-11	7	9	32	L -	4	6	-2	ကု	-	0	16	-	15	-23	ထု	6	φ	7	5	-24	-26	-7	-59
INFLOW	Ventura	River	Diversion	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	0	0	0	0	0
			Direct	80	ဇ	-34	13	-11	-64	~	42	-11	7	9	32	-7	4	6	7-	ကု	-	0	16	-	15	-23	ထု	6	9	2	2	-24	-26	-7	-59
0 hrs.)	Surface	Area	(acres)	1551	1551	1551	1551	1550	1553	1553	1555	1553	1553	1553	1555	1555	1555	1553	1553	1553	1553	1553	1553	1551	1551	1551	1551	1550	1550	1550	1550	1548	1548	1548	
RESERVOIR (@ 2400 hrs.)	Feb 29th	106791	Storage	106746	106700	106638	106622	106591	106822	106899	106932	106899	106884	106868	106979	106948	106932	106915	106884	106853	106822	106791	106776	106746	106731	106669	106622	106591	106545	106514	106483	106420	106374	106327	
RESERV		1	Elevation	497.98	497.95	497.91	497.90	497.88	498.03	498.08	498.10	498.08	498.07	498.06	498.13	498.11	498.10	498.09	498.07	498.05	498.03	498.01	498.00	497.98	497.97	497.93	497.90	497.88	497.85	497.83	497.81	497.77	497.74	497.71	
			DATE	_	2	3	4	5	9	7	80	6	10	7	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL

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

Direct reservoir inflow values may be negative due to innaccuracies of the evaporation coefficients (supplied by the USBR) Evaporation and precipitation readings taken at approximately 8 a.m.

Monthly Evaporation Coefficients:

CASITAS RESERVOIR OPERATION APRIL 2016

*figures in acre-feet except where otherwise noted

		STORAGE	-62	-15	-46	-15	-61	-31	-62	-31	31	16	-47	140	-47	-31	-47	-93	-16	-78	-46	-92	-77	77-	-61	-62	-125	-153	-137	-108	-61	-46	-1540
		Spill	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	0	0	0	0
RELEASES	3	To River	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	0	0	0	0
REL	2	Main System	38	24	21	30	33	32	28	13	12	13	20	22	21	29	31	30	30	37	99	52	57	99	44	34	39	51	55	39	43	35	1026
NO		Lake Total	0	0	0	0	0	0	0	7	13	46	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99
PRECIPITATION	at	Rec (in)	0	0	0	0	0	0	0	0.05	0.00	0.45	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.50
PRE	at	Dam (in)	0	0	0	0	0	0	0	90.0	0.20	0.26	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.53
		Lake Total	10	11	တ	13	13	14	14	5	4	0	2	14	4	13	18	21	15	20	16	25	15	15	15	14	15	19	29	7	16	13	407
EVAPORATION	Pan	@Rec (in)	0.02	0.10	0.07	0.07	0.09	0.11	0.10	0.00	0.07	0.00	0.03	0.08	0.09	0.10	0.09	0.10	0.12	0.13	0.09	0.11	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	2.48
EVA	Pan	@Dam (in)	0.17	0.11	0.10	0.19	0.17	0.17	0.17	0.09	0.00	00.00	00.00	0.19	0.18	0.16	0.25	0.30	0.18	0.25	0.22	0.38	0.20	0.20	0.20	0.19	0.19	0.29	0.47	0.04	0.22	0.16	5.44
		Total	-14	20	-17	28	-14	15	-20	-20	34	-17	-25	175	-11	1	7	-43	29	-22	26	-15	ç,	φ	-2	-14	-71	-83	-54	-62	7	2	-174
INFLOW	Ventura	River Diversion	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	0	0	0	0
_		Diject	-14	20	-17	28	-14	15	-20	-20	34	-17	-25	175	-11	11	2	-43	29	-22	26	-15	ιĊ	φ	-2	-14	-71	-83	-54	-62	-5	2	-174
) hrs.)	Surface	Area (acres)	1547	1547	1547	1547	1545	1545	1545	1545	1545	1545	1545	1543	1545	1545	1545	1543	1543	1542	1542	1542	1540	1540	1539	1539	1537	1535	1534	1532	1532	1532	
RESERVOIR (@ 2400 hrs.)	,,	106327 Storage	106266	106250	106204	106189	106128	106097	106035	106004	106035	106051	106004	106144	106097	106066	106020	105927	105911	105833	105786	105694	105617	105540	105479	105417	105292	105139	105002	104894	104833	104787	
RESERV		Elevation	497.67	497.66	497.63	497.62	497.58	497.56	497.52	497.50	497.52	497.53	497.50	497.59	497.56	497.54	497.51	497.45	497.44	497.39	497.36	497.30	497.25	497.20	497.16	497.12	497.04	496.94	496.85	496.78	496.74	496.71	
		DATE	~	2	3	4	5	9	7	80	6	10	1	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL

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

Direct reservoir inflow values may be negative due to innaccuracies 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 2016

*figures in acre-feet except where otherwise noted

		STORAGE	CHANGE	-46	-46	-77	-62	9/-	-45	-61	-31	-31	77-	-31	-46	-61	-46	46	-31	77-	-63	9/-	09-	9/-	-45	09-	9/-	09-	-91	09-	-61	-46	-47	-45	-1751
			Spill	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	0	0	0	0	0
RELEASES		To	River	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	0	0	0	0	0
REL	To	Main	System	26	42	48	49	20	46	21	22	35	35	34	36	39	33	32	4	44	54	43	41	39	36	41	51	48	48	44	41	26	25	52	1220
NOI		Lake	Total	0	0	0	0	0	0	က	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
PRECIPITATION	at	Rec	(in)	0	0	0	0	0	0	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
PRE	at	Dam	(in)	0	0	0	0	0	0	0.04	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90.0
		Lake	Total	13	17	15	15	10	1	10	12	15	1	7	14	1	15	14	12	18	13	15	7	12	20	13	17	12	13	4	17	16	12	14	425
EVAPORATION	Pan	@Rec	(in)	0.10	0.09	0.08	0.11	0.08	0.09	0.11	0.09	0.11	0.12	0.08	0.10	0.08	0.11	0.12	0.09	0.10	0.12	0.09	0.09	0.08	0.08	0.08	0.09	0.09	0.11	0.09	0.08	0.12	0.11	0.11	3.00
EV/	Pan	@Dam	(in)	0.15	0.24	0.21	0.19	0.12	0.13	0.08	0.14	0.18	0.10	0.14	0.18	0.13	0.19	0.15	0.14	0.25	0.14	0.20	0.13	0.15	0.31	0.17	0.24	0.14	0.15	0.18	0.26	0.19	0.13	0.17	5.28
Ĩ			Total	۲-	13	-13	က	-16	12	-33	2	19	-31	15	4	-12	2	0	22	-14	4	-18	ထု	-24	11	9-	8	0	-30	7	-5	4	-10	21	-110
INFLOW	Ventura	River	Diversion	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	0	0	0	0	0
			Direct	<i>L</i> -	13	-13	က	-16	12	-33	7	19	-31	15	4	-12	7	0	22	-14	4	-18	φ	-24	17	φ	φ	0	-30	7	-5	4	-10	21	-110
10 hrs.)	Surface	Area	(acres)	1530	1530	1530	1529	1529	1527	1527	1527	1527	1525	1525	1525	1523	1523	1523	1522	1522	1520	1520	1520	1518	1518	1517	1517	1515	1515	1513	1513	1513	1512	1512	
RESERVOIR (@ 2400 hrs.)	Apr 30 th	104787	Storage	104741	104696	104619	104557	104481	104436	104375	104345	104314	104238	104207	104161	104100	104054	104008	103977	103901	103838	103762	103702	103627	103581	103521	103445	103385	103294	103235	103174	103128	103082	103037	
RESERV			Elevation	496.68	496.65	496.60	496.56	496.51	496.48	496.44	496.42	496.40	496.35	496.33	496.30	496.26	496.23	496.20	496.18	496.13	496.09	496.04	496.00	495.95	495.92	495.88	495.83	495.79	495.73	495.69	495.65	495.62	495.59	495.56	
			DATE	~	2	3	4	5	9	7	80	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL

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

Direct reservoir inflow values may be negative due to innaccuracies of the evaporation coefficients (supplied by the USBR) Evaporation and precipitation readings taken at approximately 8 a.m.

Monthly Evaporation Coefficients:

CASITAS RESERVOIR OPERATION JUNE 2016

*figures in acre-feet except where otherwise noted

		STORAGE	CHANGE	-76	9/-	09-	-76	92-	09-	94-	-91	-91	-62	-89	-59	-45	09-	06-	9/-	09-	-75	09-	-75	-89	06-	06-	-91	-75	09-	-45	-45	-59	09-	-2131
		===		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	0	0	0	0
RELEASES		To	אואפו	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	0	0	0	0
REI	υ	Main	Oystelli	53	55	20	20	33	47	51	56	58	57	39	31	46	90	51	64	29	44	43	99	74	29	9	58	47	42	52	99	55	56	1542
NOI		Lake Total	רסומו	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	0	0	0	0
PRECIPITATION	at	Rec (in)	(111)	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	0	0	0	0.00
PRE	at	Dam (in)	(III)	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	0	0	0	0.00
		Lake	רסומו	20	22	14	24	20	18	29	9	16	17	10	80	11	19	17	10	15	21	20	24	25	22	18	17	21	19	15	20	21	20	539
EVAPORATION	Pan	@Rec	(111)	0.10	0.08	0.11	0.12	0.09	0.12	0.11	0.09	0.09	0.12	0.08	0.08	0.14	0.08	0.11	0.08	0.11	0.11	0.12	0.12	0.16	0.11	0.08	0.10	0.12	0.11	0.11	0.10	0.10	0.11	3.16
EVA	Pan	@Dam	(111)	0.29	0.34	0.16	0.35	0.29	0.23	0.45	0.02	0.22	0.21	0.11	0.07	0.07	0.29	0.22	0.12	0.19	0.30	0.28	0.35	0.33	0.32	0.27	0.24	0.30	0.27	0.18	0.29	0.31	0.29	7.36
		Icto T	חסומו	-5	-	4	7	-22	2	5	-29	-17	12	-41	-21	12	6	-22	-5	-15	6	4	9	10	7	-12	-16	φ	2	22	42	17	16	-50
INFLOW	Ventura	River		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	0	0	0	0
		Presi		-5	-	4	7	-22	5	2	-29	-17	. 12	-41	-21	12	6	-22	-5	-15	ნ -	4	9	10	7	-12	-16	မှ	2	22	42	17	16	-50
hrs.)	Surface	Area (acres)	(acies)	1512	1510	1510	1508	1508	1506	1506	1505	1505	1503	1503	1501	1501	1501	1500	1498	1498	1498	1497	1497	1495	1493	1493	1492	1492	1490	1490	1490	1489	1489	
RESERVOIR (@ 2400 hrs.)	_	103037	Glorage	102961	102886	102825	102750	102674	102614	102538	102448	102357	102295	102206	102147	102102	102042	101952	101876	101817	101742	101682	101608	101519	101429	101339	101248	101174	101114	101070	101025	100966	100906	
RESERV		Flevetion	Lievalloli	495.51	495.46	495.42	495.37	495.32	495.28	495.23	495.17	495.11	495.07	495.01	494.97	494.94	494.90	494.84	494.79	494.75	494.70	494.66	494.61	494.55	494.49	494.43	494.37	494.32	494.28	494.25	494.22	494.18	494.14	
'		DATE		×-	2	3	4	2	9	7	∞	6	10	Ξ	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	59	30	TOTAL

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

Direct reservoir inflow values may be negative due to innaccuracies 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 2016

*figures in acre-feet except where otherwise noted

		STORAGE	CHANGE	-77	-59	-44	-74	-59	-74	-74	-74	-59	-74	-59	-59	-75	-59	-73	-59	-59	-59	-74	-118	-89	-120	-73	-102	-74	-89	-117	-88	-102	-102	-59	-2376
		===		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	0	0	0	0	0
RELEASES		To		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	0	0	0	0	0
RELE	To	Main		56	44	35	36	49	57	61	47	52	40	58	56	59	58	22	47	36	52	65	29	89	99	69	40	09	65	99	69	29	52	44	1700
NOI		Lake	-018	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	0	0	0	0	0
PRECIPITATION	at	Rec	(111)	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	0	0	0	0	0.00
PRE	at	Dam		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	0	0	0	0	0.00
		Lake	010	19	23	15	27	20	14	17	17	18	17	20	17	16	20	17	20	15	27	19	22	15	21	25	21	13	20	21	25	17	18	23	601
EVAPORATION	Pan	@Rec	(111)	0.11	0.11	0.12	0.10	0.14	0.09	0.11	0.11	0.10	0.09	0.11	0.11	0.12	0.11	0.09	0.17	0.09	0.11	0.10	0.12	0.04	0.14	0.14	0.12	0.13	0.12	0.10	0.12	0.11	0.12	0.13	3.48
EVA	Pan	@Dam	(iii)	0.27	0.34	0.18	0.44	0.25	0.19	0.23	0.22	0.25	0.25	0.30	0.23	0.20	0.29	0.26	0.23	0.22	0.43	0.29	0.33	0.26	0.29	0.36	0.31	0.14	0.29	0.33	0.39	0.24	0.25	0.33	8.59
			100	7	∞	5	-10	o	ဇှ	4	-11	13	-17	19	4	0	19	2	8	ထု	19	7	-29	ှ	-33	21	-40	0	4	-30	7	-18	-32	7	-75
INFLOW	Ventura	River		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	0	0	0	0	0
		forio		-	80	2	-10	6	ကု	4	-1	13	-17	19	14	0	19	2	80	ထု	19	1	-29	9	-33	21	-40	0	4	-30	7	-18	-32	7	-75
0 hrs.)	Surface	Area	(40103)	1487	1487	1487	1485	1485	1484	1484	1482	1482	1481	1481	1481	1479	1479	1477	1477	1476	1476	1476	1474	1473	1471	1471	1469	1469	1468	1466	1466	1464	1463	1463	
RESERVOIR (@ 2400 hrs.)	Jun 30th	100906	Olor age	100829	100770	100726	100652	100592	100518	100444	100370	100311	100237	100178	100119	100044	99985	99913	99853	99794	99735	99661	99543	99454	99334	99261	99159	98066	98997	98880	98793	06986	98589	98530	
RESERV		aciteriol	Lievation	494.09	494.05	494.02	493.97	493.93	493.88	493.83	493.78	493.74	493.69	493.65	493.61	493.56	493.52	493.47	493.43	493.39	493.35	493.30	493.22	493.16	493.08	493.03	492.96	492.91	492.85	492.77	492.71	492.64	492.57	492.53	
,	•	FAC	1	_	2	က	4	5	9	7	8	6	10	1	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL

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

Direct reservoir inflow values may be negative due to innaccuracies of the evaporation coefficients (supplied by the USBR) Evaporation and precipitation readings taken at approximately 8 a.m.

Monthly Evaporation Coefficients:

CASITAS RESERVOIR OPERATION AUGUST 2016

*figures in acre-feet except where otherwise noted

		STORAGE	CHANGE	-74	-44	44-	-88	-116	-88	-118	-74	-58	-58	-59	-58	-86	-87	-116	-57	-73	-131	-102	-143	-146	-72	-86	-102	-88	-86	-72	-114	-43	-57	-100	-2637
			Spill	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	0	0	0	0	0
RELEASES		To	River	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	0	0	0	0	0
REL	To	Main	System	54	64	64	29	89	52	41	54	61	58	64	99	53	44	63	99	74	89	29	57	45	59	89	89	58	54	44	31	54	70	71	1826
NOI		Lake	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRECIPITATION	at	Rec	(in)	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	0	0	0	0	0.00
PRE	at	Dam	(in)	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	0	0	0	0	0.00
		Lake	Total	19	23	19	13	19	13	24	12	14	15	21	13	17	24	19	21	17	20	14	4	22	15	17	17	4	24	15	10	17	16	15	535
EVAPORATION	Pan	@Rec	(in)	0.12	0.10	0.11	0.10	0.11	0.11	0.10	0.10	0.10	0.12	0.11	0.11	0.10	0.11	0.13	0.11	0.10	0.12	0.12	0.11	0.11	0.09	0.10	0.10	0.11	0.11	0.13	0.12	0.12	0.12	0.11	3.41
EVA	Pan	@Dam	(in)	0.27	0.37	0.28	0.17	0.28	0.15	0.39	0.15	0.18	0.19	0.32	0.16	0.24	0.38	0.26	0.32	0.25	0:30	0.16	0.18	0.34	0.21	0.25	0.26	0.18	0.39	0.17	0.08	0.23	0.22	0.21	7.54
			Total	7	43	39	-7	-29	-23	-53	L -	16	15	27	21	-16	-19	-34	30	18	-42	-21	-73	-79	2	7	-16	-15	-7	-13	-74	28	29	-14	-276
INFLOW	Ventura	River	Diversion	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	0	0	0	0	0
			Direct	7	43	39	7-	-29	-23	-53	L -	16	15	27	21	-16	-19	-34	30	18	-42	-21	-73	-79	2	7	-16	-15	2-	-13	-74	28	29	-14	-276
0 hrs.)	Surface	Area	(acres)	1461	1461	1461	1459	1457	1457	1456	1454	1454	1454	1452	1452	1451	1451	1449	1448	1448	1446	1444	1443	1441	1441	1440	1440	1438	1436	1436	1435	1435	1433	1433	
RESERVOIR (@ 2400 hrs.)	Jul 31 st	98530	Storage	98456	98412	98368	98281	98165	98076	97958	97885	97827	69226	97710	97652	97567	97480	97363	97307	97234	97104	97001	96858	96712	96640	96555	96453	96365	96279	96208	96094	96051	95993	95893	
RESERV			Elevation	492.48	492.45	492.42	492.36	492.28	492.22	492.14	492.09	492.05	492.01	491.97	491.93	491.87	491.81	491.73	491.69	491.64	491.55	491.48	491.38	491.28	491.23	491.17	491.10	491.04	490.98	490.93	490.85	490.82	490.78	490.71	
			DATE	_	2	က	4	2	9	7	80	6	10	7	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL

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

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

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

Monthly Evaporation Coefficients:

CASITAS RESERVOIR OPERATION SEPTEMBER 2016

*figures in acre-feet except where otherwise noted

		STORAGE	CHANGE	-100	-172	-86	-72	-57	-72	-72	-86	-86	-72	-58	-56	-70	-85	-100	-84	-85	-58	-56	-85	-85	-84	-71	-72	-71	-70	-100	66-	-85	-84	-2429
			Spill	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	0	0	0	0
RELEASES		٦٥	River	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	0	0	0	0
REI	٦	Main	System	64	99	51	27	45	57	09	29	55	40	33	52	69	65	29	09	52	38	09	63	7.1	61	25	48	44	67	73	75	63	29	1689
NOI		Lake	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRECIPITATION	at	Rec	(in)	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	0	0	0	0.00
PRE	at	Dam	(in)	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	0	0	0	0.00
		Lake	Total	15	16	15	15	4	∞	14	7	17	13	19	80	15	თ	4	16	18	16	12	7	12	10	20	16	o	25	20	16	12	16	419
EVAPORATION	Pan	@Rec	(in)	0.10	0.09	0.12	0.09	0.11	0.08	0.12	0.08	0.09	0.08	0.09	0.11	0.08	0.07	0.00	0.08	0.12	0.09	0.11	0.10	0.11	0.00	0.12	0.11	0.11	0.12	0.12	0.11	0.09	0.09	2.79
EVA	Pan	@Dam	(in)	0.24	0.26	0.22	0.24	0.19	0.09	0.20	0.17	0.28	0.21	0.34	90.0	0.26	0.14	0.09	0.28	0.28	0.27	0.15	0.06	0.16	0.22	0.32	0.25	0.10	0.43	0.32	0.25	0.19	0.28	6.55
			Total	-21	06-	-20	-30	_	<i>L</i> -	က	-16	-14	-18	φ	က	4	7	-36	ထု	-16	ကု	15	-15	7	-14	5	-2	-17	21	ထု	-2	6	7	-321
INFLOW	Ventura	River	Diversion	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	0	0	0	0
			Direct	-21	06-	-20	-30	~	7-	က	-16	-14	-18	φ-	က	4	-1	-36	φ	-16	ဗု	15	-15	7	-14	2	2-	-17	21	ထု	-7	6-	7	-321
0 hrs.)	Surface	Area	(acres)	1432	1430	1428	1428	1427	1427	1425	1425	1424	1424	1422	1422	1420	1420	1419	1417	1417	1416	1416	1414	1414	1412	1412	1411	1411	1409	1408	1408	1406	1406	
RESERVOIR (@ 2400 hrs.)	Aug 31 st	95893	Storage	95793	95622	92236	95464	95407	95336	95264	95178	95093	95021	94963	94906	94836	94751	94651	94568	94482	94425	94368	94284	94199	94115	94044	93973	93902	93832	93732	93633	93548	93464	
RESERV		Į	Elevation	490.64	490.52	490.46	490.41	490.37	490.32	490.27	490.21	490.15	490.10	490.06	490.02	489.97	489.91	489.84	489.78	489.72	489.68	489.64	489.58	489.52	489.46	489.41	489.36	489.31	489.26	489.19	489.12	489.06	489.00	
·			DATE	_	2	က	4	2	9	7	80	თ	9	7	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL

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

Direct reservoir inflow values may be negative due to innaccuracies 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 2015 - 2016

Month	Acre Feet
Oct – 15	0.00
Nov – 15	0.00
Dec – 15	0.00
Jan – 16	0.00
Feb – 16	0.00
Mar – 16	0.00
Apr - 16	0.00
May - 16	0.00
Jun – 16	0.00
Jul – 16	0.00
Aug – 16	0.00
Sep – 16	0.00
Total:	0.00 AF

Lake Matilija Water Surface Elevation

Matilija Reservoir Lake Elevation

WATER YEAR OCTOBER 2015 THROUGH SEPTEMBER 2016 Daily mean elevation, feet above mean sea level

										SPILL OVER DA	SPILL OVER DAM @ 1095.35 ELEVATION	EVATION
		2014						2015				
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1095.40	1095.30	1095.41	1095.51	1095.54	1095.52	1095.57	1095.48	1095.46	1095.38	1095.24	1094.90
2	1095.32	1095.19	1095.45	1095.51	1095.49	1095.52	1095.57	1095.48	1095.45	1095.38	1095.23	1094.89
က	1095.32	1095.35	1095.42	1095.51	1095.49	1095.52	1095.57	1095.48	1095.45	1095.38	1095.22	1094.88
4	1095.21	1095.37	1095.35	1095.51	1095.50	1095.52	1095.57	1095.47	1095.44	1095.38	1095.22	1094.87
2	1095.34	1095.36	1095.36	1095.56	1095.50	1095.53	1095.58	1095.48	1095.44	1095.38	1095.21	1094.86
9	1095.41	1095.39	1095.44	1095.57	1095.50	1095.60	1095.58	1095.49	1095.43	1095.38	1095.20	1094.85
7	1095.46	1095.45	1095.48	1095.56	1095.50	1095.57	1095.58	1095.50	1095.43	1095.38	1095.19	1094.84
80	1095.52	1095.47	1095.47	1095.51	1095.50	1095.57	1095.58	1095.50	1095.43	1095.38	1095.18	1094.83
စ	1095.45	1095.41	1095.45	1095.48	1095.50	1095.56	1095.60	1095.50	1095.43	1095.38	1095.18	1094.83
10	1095.14	1095.37	1095.43	1095.49	1095.50	1095.56	1095.59	1095.50	1095.43	1095.38	1095.17	1094.82
11	1095.16	1095.36	1095.41	1095.50	1095.51	1095.57	1095.57	1095.50	1095.43	1095.38	1095.16	1094.81
12	1095.15	1095.35	1095.39	1095.49	1095.51	1095.59	1095.56	1095.50	1095.44	1095.38	1095.15	1094.80
13	1095.17	1095.37	1095.43	1095.49	1095.51	1095.57	1095.55	1095.50	1095.44	1095.38	1095.14	1094.80
14	1095.08	1095.30	1095.43	1095.49	1095.50	1095.57	1095.55	1095.49	1095.44	1095.37	1095.12	1094.79
15	1095.27	1095.28	1095.48	1095.49	1095.50	1095.58	1095.53	1095.49	1095.43	1095.37	1095.11	1094.78
16	1095.27	1095.34	1095.52	1095.49	1095.50	1095.58	1095.52	1095.49	1095.43	1095.37	1095.09	1094.77
17	1095.28	1095.40	1095.50	1095.49	1095.50	1095.59	1095.52	1095.48	1095.43	1095.37	1095.08	1094.76
18	1095.26	1095.47	1095.48	1095.49	1095.53	1095.61	1095.52	1095.48	1095.43	1095.36	1095.06	1094.75
19	1095.23	1095.41	1095.49	1095.49	1095.52	1095.61	1095.52	1095.47	1095.42	1095.35	1095.04	1094.74
20	1095.26	1095.31	1095.51	1095.52	1095.52	1095.61	1095.52	1095.47	1095.42	1095.35	1095.03	1094.73
21	1095.28	1095.25	1095.53	1095.51	1095.51	1095.61	1095.52	1095.47	1095.41	1095.34	1095.02	1094.73
22	1095.30	1095.27	1095.55	1095.49	1095.51	1095.61	1095.52	1095.47	1095.41	1095.33	1095.00	1094.72
23	1095.27	1095.29	1095.55	1095.49	1095.51	1095.58	1095.51	1095.47	1095.40	1095.31	1094.99	1094.70
24	1095.27	1095.29	1095.53	1095.49	1095.51	1095.58	1095.49	1095.47	1095.40	1095.30	1094.98	1094.68
25	1095.28	1095.26	1095.52	1095.48	1095.51	1095.58	1095.49	1095.47	1095.40	1095.30	1094.97	1094.67
26	1095.27	1095.34	1095.51	1095.48	1095.52	1095.57	1095.48	1095.47	1095.40	1095.29	1094.96	1094.65
27	1095.24	1095.38	1095.50	1095.48	1095.52	1095.57	1095.48	1095.47	1095.40	1095.28	1094.95	1094.64
28	1095.32	1095.38	1095.51	1095.48	1095.52	1095.58	1095.48	1095.46	1095.39	1095.27	1094.95	1094.63
29	1095.27	1095.43	1095.51	1095.48	1095.51	1095.58	1095.47	1095.46	1095.39	1095.27	1094.94	1094.63
30	1095.23	1095.38	1095.51	1095.48		1095.59	1095.48	1095.46	1095.39	1095.26	1094.93	1094.62
31	1095.27	I	1095.51	1095.52	-	1095.58	-	1095.46	-	1095.25	1094.91	-
	Doto of oto O	duo bao locaisi	The section of the section of									

Data is provisional and subject to revision. Estimated

Rainfall Stations

VENTURA COUNTY, CALIFORNIA WATER SURVEY

DAILY RAINFALL RECORD

STATION:

Matilija Dam

NUMBER:

134

OBSERVER:

Automated

OBSER. TIME: 0800

AUTHORITY:

LATITUDE:

ADDRESS:

Ventura County Watershed Protection District 800 S. Victoria Ave, Ventura, CA 93009

LONGITUDE: 119°18' W

34°29' N

COMPILED:

Bill Carey/Hydrologist

ELEV:

1060 ft

2015-16

DAY .	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		1101	DEG	0, 11	2.91	IVI) (I C	7.11.1		00.1	002	7.00	02.
2					2.01							
3		0.01										
4	0.02	0.01										
5	0.41			0.64								
6	0.41			2.21		2.93			_			
7				1.97		0.77		0.26				
8				1.01	_	0.05	0.01	0.20				
9						0.00	0.56					
10				0.03			0.47					
11				0.00			51.11					
12						0.74						
13												
14			0.07									***
15	0.01											
16		0.05		-								
17												
18					0.90							
19												
20			0.16	0.45								
21												
22												
23												
24		come.	8-									
25												
26												
27												
28												
29									_			0.01
30						0.11						
31				0.45								
Mo Total	0.44	0.06	0.23	5.75	3.81	4.60	1.04	0.26	0.00	0.00	0.00	0.01
Yr Total	0.44	0.50	0.73	6.48	10.29	14.89	15.93	16.19	16.19	16.19	16.19	16.20

Rainfall in inches

VENTURA COUNTY, CALIFORNIA WATER SURVEY

DAILY RAINFALL RECORD

STATION:

Lake Casitas Recreation Area

NUMBER: 204

OBSERVER:

CMWD Recreation staff

OBSER. TIME: 0800

AUTHORITY:

Casitas Municipal Water District

LATITUDE:

34°25' N

ADDRESS:

P.O. Box 37, Oak View, CA 93022

LONGITUDE: 119°20' W

COMPILED:

C. Iles

ELEV:

592 ft

2015-16

DAY .	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					1.80							
2												
3												
4												
5	0.40									1		
6												
7				2.70		2.50						
8				3.50		0.55	0.05					
9						0.05						
10				0.05			0.45			_		
11												
12						0.65						
13							_					
14			0.16									
15												
16												
17												
18					0.55							
19				0.05								
20			0.20	0.42								
21												
22												
23												
24												
25												
26												
27												
28												
29												
30						0.25						
31							Kala i				1,	
Mo Total	0.40	0.00	0.36	6.72	2.35	4.00	0.50	0.00	0.00	0.00	0.00	0.00
Yr Total	0.40	0.40	0.76	7.48	9.83	13.83	14.33	14.33	14.33	14.33	14.33	14.33

Rainfall in inches

Estimated

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 LONGITUDE: 119°20' W

ADDRESS: COMPILED: P.O. Box 37, Oak View, CA 93022

C. Iles

ELEV:

400 ft

2015-16

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					1.25							
2												
3		0.04										
4	0.02											
5	0.38			0.46								
6				1.68		2.21						
7				3.95		0.78		0.04				
8				0.02		0.02	0.06	0.02				
9							0.20					_
10				0.06			0.26					
11				0.01			0.01					
12				_		0.72						
13												
14			0.24									
15	0.01											
16		0.05										
17												
18				0.05	0.93							
19				0.03								
20			0.16	0.46								
21				0.02								
22												
23												
24												
25				_								
26												
27												
28												
29												
30				0.01		0.04						
31				0.45								
Mo Total	0.41	0.09	0.40	7.20	2.18	3.77	0.53	0.06	0.00	0.00	0.00	0.00
Yr Total	0.41	0.50	0.90	8.10	10.28	14.05	14.58	14.64	14.64	14.64	14.64	14.64

Rainfall in inches

Streamflow Gaging Stations

Matilija Creek at Matilija Hot Springs

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

34°28'58" N 119°18'7" W 900 ft 54 sq mi

LATITUDE: LONGITUDE: ELEVATION: DRAINAGE AREA:

WATER YEAR OCTOBER 2015 TO SEPTEMBER 2016 Daily Mean Discharge, cubic feet per second

1 0.2 0.5 0.7 1 4 3 3 2 2 0.6 0.4 0.3 2 0.3 0.5 0.7 1 3 3 2 2 0.6 0.4 0.3 4 0.3 0.5 0.7 1 3 3 2 2 0.6 0.4 0.3 6 0.3 0.5 0.8 6 4 11 3 2 2 2 0.6 0.4 0.3 10 0.3 0.5 0.8 6 4 11 3 2 2 2 0.6 0.6 0.9 0.9 0.9 4 4 7 3 2 2 0.6 0.9 0.9 0.9 4 4 7 3 2 2 0.6 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0	3	100	NOV	DEC	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP
05 0.7 1 3 3 3 2 2 0 0 05 0.7 1 3 3 3 2 2 0.6 0.4 05 0.8 1 4 3 3 2 2 0.6 0.4 05 0.8 1 4 3 3 2 2 0.6 0.4 05 0.8 5 4 1 3 2 2 0.6 0.6 0.6 0.5 0.8 5 4 4 7 3 2 2 0.6 0.6 0.6 0.5 0.8 5 4 4 7 3 2 2 0.6 0.6 0.6 0.7 1.0 2 4 6 3 2 2 0.4 0.3 0.5 1.3 2 4 4 5 3 2 1 0.4 <t></t>	,	0.0	4	7.0	•	٨	٣	ď	c	c	9	4	°
05 0.7 1 3 3 3 2 2 0.6 0.4 06 0.8 1 4 3 3 2 2 0.6 0.6 0.6 0.5 0.8 6 4 4 3 3 2 2 0.6 0.6 0.6 0.5 0.8 6 4 4 7 3 2 2 0.6 0.6 0.6 0.6 0.5 0.8 6 4 4 7 3 2 2 0.6 <td< td=""><td>- 0</td><td>2.0</td><td>5.0</td><td>2.0</td><td></td><td>r m</td><td>. m</td><td>о м</td><td>1 6</td><td>1 0</td><td>9.0</td><td>0.4</td><td>0 0</td></td<>	- 0	2.0	5.0	2.0		r m	. m	о м	1 6	1 0	9.0	0.4	0 0
0.6 0.8 1 4 3 3 2 2 0 0 0 0.5 0.8 6 4 3 3 2 2 0 0 0 0.5 0.8 6 4 1 3 2 2 0 <	ı m	0.3	0.5	0.7	Ψ.	· "	· က	က	1 2	1 7	0.6	0.4	0.3
0.5 0.8 6 4 3 3 2 1 0.6 0.6 0.5 0.8 5 4 11 3 2 2 0.6 0.5 0.5 0.8 5 4 11 3 2 2 0.6 0.5 0.5 0.9 2 4 5 4 5 0.4 0.3 0.5 1.0 2 4 6 3 2 2 0.4 0.3 0.8 1.0 2 4 6 3 2 1 0.4 0.3 1.0 1.1 2 4 6 3 2 1 0.4 0.3 0.6 1.3 2 1 0.4 0.2 0.4 0.3 0.6 1.3 2 2 4 4 4 3 2 1 0.4 0.2 0.4 0.7 2 4 4 </td <td>4</td> <td>0.3</td> <td>9.0</td> <td>0.8</td> <td>τ-</td> <td>4</td> <td>င</td> <td>ဗ</td> <td>2</td> <td>2</td> <td>9.0</td> <td>9.0</td> <td>0.3</td>	4	0.3	9.0	0.8	τ-	4	င	ဗ	2	2	9.0	9.0	0.3
0.5 0.8 6 4 11 3 2 2 0.6 0.5 0.5 0.8 4 4 7 3 2 2 0.6 0.6 0.5 0.8 2 4 5 4 7 3 2 2 0.6 0.6 0.5 1.0 2 4 5 3 2 2 0.4 0.3 0.8 1.0 2 4 5 3 2 1 0.4 0.3 0.6 0.9 2 4 6 3 2 1 0.4 0.3 0.6 0.9 2 4 6 3 2 1 0.4 0.3 0.6 0.9 2 4 4 3 2 1 0.4 0.2 0.6 0.9 2 4 4 3 2 1 0.2 0.2 0.4 0.3	5	0.3	0.5	0.8	9	4	က	က	2	_	9.0	9.0	0.3
0.5 0.8 4 4 7 3 2 2 0.4 0.4 0.5 1.0 2 4 5 3 2 2 0.4 0.3 0.8 1.0 2 4 5 3 2 2 0.4 0.3 0.8 1.0 2 4 6 3 3 1 0.4 0.3 1.0 1.1 2 4 6 3 2 1 0.4 0.3 0.6 0.3 2 1 0.4 0.3 0.4 0.3 0.5 1.3 2 4 6 3 2 1 0.4 0.2 0.6 1.3 2 1 0.4 0.2 0.4 0.2 0.3 0.5 0.3 2 4 4 4 3 2 1 0.2 0.2 0.5 0.4 0.3 2 4 <	9	0.3	0.5	0.8	5	4	11	က	2	2	9.0	0.5	0.3
0.5 0.9 2 4 5 3 2 2 0.4 0.3 0.5 1.0 2 4 5 4 5 9 0.4 0.3 0.6 1.0 2 4 6 3 2 1 0.4 0.3 0.7 1.1 2 4 6 3 2 1 0.4 0.3 0.6 1.3 2 4 6 3 2 1 0.4 0.3 0.6 1.3 2 4 6 3 2 1 0.4 0.3 0.6 1.3 2 4 4 5 3 2 1 0.4 0.2 0.6 1.3 2 4 4 4 3 2 1 0.2 0.3 0.4 0.7 2 4 4 4 3 2 1 0.2 0.3 0.4	7	0.3	0.5	0.8	4	4	7	က	7	2	0.5	0.4	0.3
0.5 1.0 2 4 5 4 2 2 0.4 0.3 0.8 1.0 2 4 6 3 3 1 0.4 0.3 1.0 1.1 2 4 6 3 3 1 0.4 0.3 0.6 0.9 2 4 6 3 2 1 0.4 0.3 0.6 1.3 2 4 6 3 2 1 0.4 0.2 0.6 1.3 2 4 4 5 3 2 1 0.4 0.2 0.8 1.3 2 2 1 0.4 0.2 0.3 0.3 0.3 0.4 0.7 2 4 4 3 2 1 0.2 0.3 0.4 0.7 2 4 4 3 2 1 0.2 0.2 0.5 0.4 3 </td <td>80</td> <td>0.3</td> <td>0.5</td> <td>6.0</td> <td>2</td> <td>4</td> <td>2</td> <td>က</td> <td>7</td> <td>2</td> <td>0.4</td> <td>0.3</td> <td>0.4</td>	80	0.3	0.5	6.0	2	4	2	က	7	2	0.4	0.3	0.4
0.8 1.0 2 4 5 3 3 1 0.4 0.3 1.0 1.1 2 4 6 3 3 1 0.4 0.3 0.7 1.1 2 4 6 3 2 1 0.4 0.2 0.5 1.3 2 4 6 3 2 1 0.4 0.2 0.5 1.3 2 4 4 3 2 1 0.4 0.2 0.8 1.3 2 4 4 3 2 1 0.2 0.3 0.4 0.9 2 4 4 3 2 1 0.2 0.3 0.4 0.7 3 4 4 3 2 1 0.2 0.2 0.5 0.4 3 4 4 3 2 1 0.2 0.1 0.2 0.5 0.4 3	o	9.4	0.5	1.0	2	4	2	4	2	2	0.4	0.3	0.3
1,0 1,1 2 4 6 3 3 1 0.3 0.3 0,7 1,1 2 4 6 3 2 1 0.4 0.2 0,6 0.9 2 4 5 3 2 1 0.4 0.2 0,6 2.0 2 4 4 5 3 2 1 0.4 0.2 0,6 2.0 2 4 4 3 2 1 0.4 0.2 0,8 2 4 4 3 2 1 0.2 0.3 0,4 0.7 2 4 4 3 2 1 0.2 0.3 0,4 0.7 2 4 4 3 2 1 0.2 0.1 0,5 0.4 3 4 4 3 2 1 0.2 0.1 0,5 0.4 3 4	10	0.5	0.8	1.0	2	4	5	က	က	-	0.4	0.3	0.3
0.7 1.1 2 4 6 3 2 1 0.4 0.2 0.6 0.3 2 4 6 3 2 1 0.4 0.2 0.6 1.3 2 4 4 5 3 2 1 0.4 0.2 0.8 1.3 2 4 4 3 2 1 0.2 0.3 0.8 1.3 2 4 4 3 2 1 0.2 0.2 0.4 0.7 2 4 4 3 2 1 0.2 0.3 0.5 0.9 2 4 4 3 2 1 0.2 0.2 0.5 0.4 0.4 3 2 1 0.2 0.2 0.5 0.4 4 4 3 2 1 0.2 0.1 0.5 0.4 4 3 2 1	11	9.0	1.0	1.1	2	4	9	က	က	-	0.3	0.3	0.3
0.6 0.9 2 4 5 3 2 1 0.4 0.2 0.5 1.3 2 4 4 5 3 2 1 0.4 0.3 0.6 2.0 4 4 5 3 2 1 0.2 0.3 0.5 1.3 2 4 4 3 2 1 0.2 0.3 0.5 0.3 2 4 4 4 3 2 1 0.2 0.3 0.4 0.3 2 1 0.2 0	12	9.0	0.7		2	4	9	က	2	-	0.4	0.2	0.4
0.5 1.3 2 4 5 3 2 2 0.3 0.3 0.6 2.0 2 4 4 3 2 1 0.2 0.3 0.6 2.0 4 4 3 2 1 0.2 0.3 0.5 0.9 2 4 4 3 2 1 0.2 0.2 0.4 0.8 2 6 4 4 3 2 1 0.2 0.2 0.5 0.4 3 2 1 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.1 0.2 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 <td< td=""><td>13</td><td>0.5</td><td>9.0</td><td>6.0</td><td>2</td><td>4</td><td>2</td><td>က</td><td>2</td><td>-</td><td>0.4</td><td>0.2</td><td>4.0</td></td<>	13	0.5	9.0	6.0	2	4	2	က	2	-	0.4	0.2	4.0
0.6 2.0 2. 4 4 3 2 1 0.2 0.3 0.8 1.3 2 4 4 3 2 1 0.2 0.2 0.5 1.3 2 4 4 3 2 1 0.2 0.2 0.4 0.8 2 4 4 3 2 1 0.2 0.2 0.4 0.7 2 4 4 3 2 1 0.2 0.2 0.5 0.4 3 2 1 0.2 0.2 0.2 0.5 0.4 4 4 3 2 1 0.2 0.2 0.5 0.4 4 4 3 2 1 0.2 0.1 0.5 0.4 4 4 3 2 1 0.2 0.1 0.5 1.0 2 4 4 4 2 2 1	14	4.0	0.5	1.3	2	4	S	က	2	2	0.3	0.3	4.0
0.8 1.3 2 4 4 3 2 1 0.2 0.2 0.5 0.9 2 4 4 3 2 1 0.2 0.2 0.4 0.8 2 6 4 3 2 1 0.2 0.2 0.5 0.4 3 4 4 3 2 1 0.2 0.2 0.5 0.4 3 4 4 3 2 1 0.2 0.1 0.5 0.4 3 4 4 3 2 1 0.2 0.1 0.5 0.4 4 4 3 2 1 0.2 0.1 0.5 0.8 1.1 2 4 4 4 3 2 1 0.1 0.2 0.1 0.2 0.1 0.2 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.3 0.3 0.3	15	0.4	9.0	2.0	2	4	4	ဇ	7	~	0.2	0.3	0.4
0.5 0.9 2 4 4 3 2 1 0.2 0.2 0.4 0.8 2 6 4 3 2 1 0.2 0.2 0.4 0.8 2 4 4 3 2 1 0.2 0.2 0.5 0.4 3 4 4 3 2 1 0.2 0.2 0.5 0.4 3 4 4 3 2 1 0.2 0.1 0.5 0.4 3 2 1 0.2 0.1 0.2 0.5 0.8 2 4 4 4 3 2 1 0.2 0.2 0.6 1.1 2 4 4 4 2 2 1 0.1 0.2 0.6 1.0 2 3 4 2 2 1 0.2 0.1 0.6 1.0 2 3	16	0.4	0.8	1.3	2	4	4	က	2	-	0.2	0.2	0.3
0.4 0.8 2 6 4 3 2 1 0.2 0.2 0.4 0.4 3 2 1 0.2 0.1 0.5 0.4 4 3 2 1 0.2 0.1 0.5 0.4 3 4 4 3 2 1 0.2 0.1 0.5 0.4 3 4 4 3 2 1 0.2 0.1 0.5 0.8 2 4 4 3 2 1 0.2 0.1 0.5 1.3 4 4 2 2 1 0.1 0.2 0.2 0.2 0.1 0.3 0.3 0.2 0.1 0.0 <td>17</td> <td>0.4</td> <td>0.5</td> <td>6.0</td> <td>2</td> <td>4</td> <td>4</td> <td>ဇ</td> <td>2</td> <td>-</td> <td>0.2</td> <td>0.2</td> <td>0.3</td>	17	0.4	0.5	6.0	2	4	4	ဇ	2	-	0.2	0.2	0.3
0.4 0.7 2 4 4 3 2 1 0.2 0.1 0.5 0.4 3 4 4 3 2 1 0.2 0.1 0.5 0.4 3 4 4 3 2 1 0.2 0.1 0.5 0.4 4 4 3 2 1 0.2 0.1 0.5 0.8 2 4 4 3 2 1 0.2 0.2 0.5 1.3 2 2 1 0.1 0.1 0.2 0.6 1.0 2 3 4 2 2 1 0.1 0.3 0.6 1.0 2 3 3 2 2 1 0.2 0.3 0.7 0.9 2 3 4 2 2 1 0.2 0.1 0.7 0.9 2 3 4 2 2	18	9.4	0.4	0.8	2	9	4	ဇ	2	-	0.2	0.2	0.2
0.5 0.4 3 4 4 3 2 1 0.2 0.1 0.5 0.4 3 4 4 3 2 1 0.2 0.2 0.5 0.8 2 4 4 3 2 1 0.2 0.2 0.5 0.8 2 4 4 2 2 1 0.1 0.2 0.5 1.3 2 2 1 0.1 0.1 0.2 0.6 1.1 2 4 4 2 2 1 0.1 0.3 0.6 1.0 2 3 4 2 2 1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.2 0.2 0.2 0.2 0.2 0.2	19	4.0	0.4	0.7	2	4	4	က	2	-	0.2	0.1	0.3
0.5 0.4 3 4 4 3 2 1 0.2 0.2 0.5 0.8 2 4 4 3 2 1 0.1 0.2 0.5 1.3 2 4 4 2 2 1 0.1 0.2 0.6 1.1 2 4 4 2 2 1 0.1 0.2 0.6 1.1 2 4 2 2 1 0.1 0.2 0.6 1.0 2 3 4 2 2 1 0.2 0.3 0.7 0.9 2 3 3 2 2 1 0.2 0.1 0.6 1.0 2 3 4 2 2 1 0.2 0.2 0.7 1.0 2 3 4 2 2 0.8 0.1 0.2 0.2 0.6 1.0 2 3 <td>20</td> <td>9.0</td> <td>0.5</td> <td>0.4</td> <td>က</td> <td>4</td> <td>4</td> <td>က</td> <td>2</td> <td>-</td> <td>0.2</td> <td>0.1</td> <td>0.3</td>	20	9.0	0.5	0.4	က	4	4	က	2	-	0.2	0.1	0.3
0.5 0.8 2 4 4 3 2 1 0.1 0.2 0.5 1.3 2 3 4 2 2 1 0.1 0.3 0.6 1.1 2 4 4 2 2 1 0.1 0.3 0.6 1.0 2 3 4 2 2 0.1 0.4 0.6 1.0 2 3 4 2 2 0.1 0.4 0.6 1.0 2 3 4 2 2 1 0.2 0.3 0.7 0.9 2 3 4 2 2 1 0.2 0.1 0.6 1.0 2 3 4 2 2 1 0.2 0.1 0.6 1.0 2 3 4 2 2 0.8 0.1 0.2 0.2 0.6 1.0 2 3 3 <td>21</td> <td>0.5</td> <td>0.5</td> <td>0.4</td> <td>3</td> <td>4</td> <td>4</td> <td>က</td> <td>2</td> <td>-</td> <td>0.2</td> <td>0.2</td> <td>0.3</td>	21	0.5	0.5	0.4	3	4	4	က	2	-	0.2	0.2	0.3
0.5 1.3 2 3 4 2 2 1 0.1 0.3 0.6 1.1 2 4 4 2 2 2 0.1 0.4 0.6 1.0 2 3 4 2 2 0.1 0.4 0.6 1.0 2 3 4 2 2 1 0.2 0.3 0.6 0.9 2 3 3 2 2 1 0.2 0.1 0.4 0.6 1.0 2 3 3 2 2 1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.2 0.1 0.2	22	0.4	0.5	0.8	2	4	4	က	2	-	0.1	0.2	0.3
0.6 1.1 2 4 4 2 2 2 0.1 0.4 0.6 1.0 2 3 4 2 2 1 0.2 0.1 0.4 0.6 1.0 2 3 4 2 2 1 0.2 0.3 0.1 0.3 0.6 1.0 2 3 3 2 2 1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.2 0.1 0.2 <t< td=""><td>23</td><td>9.0</td><td>0.5</td><td>1.3</td><td>2</td><td>ო</td><td>4</td><td>2</td><td>2</td><td>-</td><td>0.1</td><td>0.3</td><td>0.3</td></t<>	23	9.0	0.5	1.3	2	ო	4	2	2	-	0.1	0.3	0.3
0.6 1.0 2 3 4 2 2 1 0.2 0.3 0.6 1.0 2 3 3 2 2 1 0.2 0.1 0.6 0.9 2 3 3 2 2 1 0.2 0.1 0.7 0.9 2 3 4 2 2 1 0.2 0.2 0.6 1.0 2 3 4 2 2 1 0.2	24	0.5	9.0	1.1	2	4	4	2	2	2	0.1	0.4	0.3
0.6 1.0 2 3 3 2 2 1 0.2 0.1 0.6 0.9 2 3 3 2 2 1 0.2 0.2 0.7 0.9 2 3 4 2 2 1 0.2 0.2 0.6 1.0 2 3 4 2 2 0.8 0.1 0.3 0.6 1.0 2 - 4 2 2 0.7 0.2 0.2 0.2 0.6 1.0 - 4 2 2 0.7 0.2 0.3 0.3 1.7.7 2.9 1.0 - 3 - 2 0.7 0.2 0.3 0.3 1.0 0.9 2.5 3.8 4.3 2.7 2.3 1.4 0.3 0.3 1.0 2.0 10.5 6 11 4.0 2.6 1.9 0.6 0.6	25	0.5	9.0	1.0	2	က	4	2	7	_	0.2	0.3	0.3
0.6 0.9 2 3 3 2 2 1 0.2 0.2 0.7 0.9 2 3 4 2 2 1 0.2 0.2 0.6 1.0 2 3 4 2 2 0.8 0.1 0.3 0.6 1.0 2 4 2 2 0.7 0.2 0.3 1.7.7 29.4 77.7 109.7 134.1 82.5 69.9 40.8 9.7 8.8 1.7 2.9 4.3 2.7 2.3 1.4 0.3 0.3 1.0 2.0 10.5 6 11 4.0 2.6 1.9 0.6 0.6 0.4 0.4 1.0 3.1 2.9 2.2 1.9 0.7 0.1 0.1 3.5 5.8 1.54 2.18 2.6 1.9 0.7 0.1 0.1	26	9.0	9.0	1.0	2	က	3	2	2	1	0.2	0.1	0.3
0.7 0.9 2 3 4 2 2 1 0.2 0.2 0.6 1.0 2 3 3 2 2 0.8 0.1 0.3 0.6 1.0 2 - 4 2 2 0.7 0.2 0.3 17.7 29.4 77.7 109.7 134.1 82.5 69.9 40.8 9.7 8.8 0.6 0.9 2.5 3.8 4.3 2.7 2.3 1.4 0.3 0.3 1.0 2.0 10.5 6 11 4.0 2.6 1.9 0.6 0.6 0.4 0.4 1.0 3.1 2.9 2.2 1.9 0.7 0.1 0.1 3.5 5.8 1.54 2.18 2.6 1.9 0.7 0.1 0.1 1.0 3.1 2.9 2.2 1.9 0.7 0.1 0.1 3.4 3.5 1.54<	27	0.5	9.0	6.0	2	က	က	2	2	-	0.2	0.2	0.3
0.6 1.0 2 3 3 2 2 0.8 0.1 0.3 0.6 1.0 2 — 4 2 2 0.7 0.2 0.3 1.7.7 29.4 77.7 109.7 134.1 82.5 69.9 40.8 9.7 8.8 1.0 0.9 2.5 3.8 4.3 2.7 2.3 1.4 0.3 0.3 1.0 2.0 10.5 6 11 4.0 2.6 1.9 0.6 0.6 0.4 0.4 1.0 3.1 2.9 2.2 1.9 0.7 0.1 0.1 35 58 154 218 266 164 139 81 17	28	0.5	0.7	6.0	2	က	4	2	7	-	0.2	0.2	0.3
0.6 1.0 2 - 4 2 2 0.7 0.2 0.3 0.9 10 - 3 - 2 - 0.3 0.3 17.7 29.4 77.7 109.7 134.1 82.5 69.9 40.8 9.7 8.8 0.6 0.9 2.5 3.8 4.3 2.7 2.3 1.4 0.3 0.3 1.0 2.0 10.5 6 11 4.0 2.6 1.9 0.6 0.6 0.4 0.4 1.0 3.1 2.9 2.2 1.9 0.7 0.1 0.1 35 58 154 218 266 164 139 81 17	29	9.0	9.0	1.0	2	က	က	2	2	8.0	0.1	0.3	0.3
17.7 29.4 77.7 109.7 134.1 82.5 69.9 40.8 9.7 8.8 10.6 0.9 2.5 3.8 4.3 2.7 2.3 1.4 0.3 0.3 1.0 2.0 10.5 6 11 4.0 2.6 1.9 0.6 0.6 0.4 0.4 1.0 3.1 2.9 2.2 1.9 0.7 0.1 0.1 35 58 154 218 266 164 139 81 19 17	30	7.0	9.0	1.0	2	1	4	2	2	0.7	0.2	0.3	0.4
17.7 29.4 77.7 109.7 134.1 82.5 69.9 40.8 9.7 8.8 0.6 0.9 2.5 3.8 4.3 2.7 2.3 1.4 0.3 0.3 1.0 2.0 10.5 6 11 4.0 2.6 1.9 0.6 0.6 0.4 0.4 1.0 3.1 2.9 2.2 1.9 0.7 0.1 0.1 3.5 5.8 154 218 266 164 139 81 19 17	31	9.0	1	6.0	10	I	က	1	2	I	0.3	0.3	I
0.6 0.9 2.5 3.8 4.3 2.7 2.3 1.4 0.3 0.3 1.0 2.0 10.5 6 11 4.0 2.6 1.9 0.6 0.6 0.4 0.4 1.0 3.1 2.9 2.2 1.9 0.7 0.1 0.1 35 58 154 218 266 164 139 81 19 17	TOTAL	13.5	17.7	29.4	7.77	109.7	134.1	82.5	6.69	40.8	9.7	8.8	9.7
1.0 2.0 10.5 6 11 4.0 2.6 1.9 0.6 0.6 0.4 0.4 1.0 3.1 2.9 2.2 1.9 0.7 0.1 0.1 35 58 154 218 266 164 139 81 19 17	MEAN	4.0	9.0	6.0	2.5	3.8	4.3	2.7	2.3	1.4	0.3	0.3	0.3
0.4 0.4 1.0 3.1 2.9 2.2 1.9 0.7 0.1 0.1 35 58 154 218 266 164 139 81 19 17	MAX	0.7	1.0	2.0	10.5	9	-	4.0	2.6	1.9	9.0	9.0	0.4
35 58 154 218 266 164 139 81 19 17	NIN I	0.2	0.4	0.4	1.0	3.1	2.9	2.2	1.9	0.7	0.1	0.1	0.2
	ACRE FI	27	- 1	58	154	218	266	164	139	81	19	17	19

North Fork Matilija Creek at Matilija Hot Springs

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

LATITUDE: LONGITUDE: ELEVATION: DRAINAGE AREA:

34°29'34" N 119°18'23" W 1142 ft 15.8 sq mi

WATER YEAR OCTOBER 2015 TO SEPTEMBER 2016 Daily Mean Discharge, cubic feet per second

1						ı										ı					ſ					ı										ı
SEP	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	l	4	0.0	0 4. c	† «	2.5
AUG	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	c	0.0 0.0	0.0 9.0	0.0	16
JUL	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1	9.0	7.0	0.0	15.2
NOC	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1	d	χο α χο α		: « : c	17.
MAY	9.0	0.5	0.5	0.5	0.5	9.0	9.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4		9.4. 0.7	o c	5.0	30.5
APR	П	6.0	6.0	0.8	0.8	0.8	0.8	0.8	0.8	0.7	8.0	0.8	0.8	0.8	8.0	8.0	0.8	0.7	0.7	0.7	0.7	9.0	9.0	9.0	9.0	9.0	9.0	0.5	0.5	9.0	l	20	8.1.8) -	٠ د	43
MAR	9.0	9.0	9.0	9.0	9.0	4	က	П	0.7	0.5	1	6.0	0.5	9.0	9.0	0.7	0.7	0.7	0.8	0.8	8.0	6.0	6.0	6.0	1	1	1.0	6.0	1	1	1	c c	30.Z	5. 4		60
FEB	8	0.5	0.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	1	6.0	8.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	-	1	C	20.6) C	41.
JAN	0.5	0.5	0.5	0.5	ĸ	က	2	0.5	0.5	0.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	10	20	3.1.y	5. 5	, c	63
DEC	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	0.5	0,00	13.3	4	۰ ،	26
NOV	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	l		9.0	7. O	0 0	14.
OCT	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	u	o o	0.7		11.5
DAY	-	2	က	4	5	9	7	80	o	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	+ CH	IOI AL	MAX	NN	ACRE FT

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)

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

34°27'49" N 119°17'26" W 740 ft 74 sq mi

LATITUDE: LONGITUDE: ELEVATION: DRAINAGE AREA:

WATER YEAR OCTOBER 2015 TO SEPTEMBER 2016 Daily Mean Discharge, cubic feet per second

3 0 0.3 0
0 02 00 00 00 00 00 00 00 00 00 00 00 00
16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
16 0
11 0 0 0 0 0 0 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 0 0 0 0 0 0 0
6 0.6 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
4 2 0 0 0 0 7 0.4 0 0 0 0 9 0.4 0 0 0 0 6 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0.9 0 0 0 0 0 0.9 0 0 0 0 0 0.9 0 0 0 0 0 0.7 0 0 0 0 0 0.7 0 0 0 0 0 0.7 0 0 0 0 0 0.7 0 0 0 0 0 0.7 0 0 0 0 0 0.7 0 0 0 0 0 0.7 0 0 0
7 0.4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
9 0.4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
7 0.1 0 0 0 0 0 0 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 0 0 0 0 0 0 0
4 0 0 0 0 0 1 0 0 0 0 0 2 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0.9 0 0 0 0 0 0.9 0 0 0 0 0 0.7 0 0 0 0 0 0.6 0 0 0 0 0 0.7 0 0 0 0 0 0.4 0 0 0 0 0 0.7 0 0 0 0 0 0.7 0 0 0 0 0 0.4 0 0 0 0 0 0.4 0 0 0 0 0 0.7 0 0 0 0 0 0.6 0 0 0
1 0 0 0 0 0 0 0 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 0 0 0 0 0 0 0
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1 0 0 0 0 0 0 0 0 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 0 0 0 0 0 0
0.9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1 0 0 0 0 0 0 0 0 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 0 0 0 0 0 0
0.7 0 0 0 0 0 0 0 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 0 0 0 0 0 0
0.5 0 0 0 0 0 0 0 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 0 0 0 0 0 0
0.1 0 0 0 0 0 0 0 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 0 0 0 0 0 0
91.5 4.3 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
91.5 4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
91.5 4.3 0.0 0.0 0.0 0.0 3.0 0.1 0.0 0.0 0.0 0.0 16 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 182 9 0 0 0 0
3.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
16 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 182 9 0 0 0 0
0.0 0.0 0.0 0.0 0.0 0.0 182 9 0 0 0 0

Robles-Casitas Canal (First Bridge)

VCWPD #: DATE INSTALLED: MAINTAINED BY: USGS #:

N/A N/A 1958 CMWD

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

WATER YEAR OCTOBER 2015 TO SEPTEMBER 2016 Daily Mean Discharge, cubic feet per second

DAY	0CT	NOV	DEC	JAN	FEB	MAR	APR	MAY	NOC	JUL	AUG	SEP
	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
င	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
2	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
7	0	0	0	0	0	0	0	0	0	0	0	0
80	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
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	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
41	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	0
30	0	0	0	0	1	0	0	0	0	0	0	0
31	0	1	0	0	I	0	l	0	1	0	0	1
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ACKE F.I	o	-	0	5	5	0		0	o	0	5	0
Data is provisional and subject	sional and s	9	revision.									

Ventura River near Ventura (Foster Park)

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

LATITUDE: LONGITUDE: ELEVATION: DRAINAGE AREA:

34°21'09" N 119°18'29" W 205 ft 187 sq mi

WATER YEAR OCTOBER 2015 TO SEPTEMBER 2016 Daily Mean Discharge, cubic feet per second

SEP	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	0	0	0		0.0	0.0	0.0	0.0	0
AUG	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	0	0	0	0				0.0	
JUL	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4	0.0	0.1	0.0	8
NOC	က	3	က	က	3	2	_	0.8	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1		21.1	0.7	2.7	0.1	42
MAY	က	3	က	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	7	2	2	2	2	2	2	2	2	က	က	က	က	67.5	2.2	2.8	1.7	134
APR	0.3	0.2	0.2	0.2	0.2	0.4	1.5	2	က	3	3	က	4	5	9	9	9	9	9	9	9	9	5	2	4	2	Υ	~	ဇ	3		95.2	3.2	0.9	0.2	189
MAR	0	0	0	0	0	7	2	9.0	_	_	-	-	2	2	2	1	~	-	~	0.7	0.2	0.2	0.2	0.1	0.1	0.0	0.1	0.2	0.2	0.2	0.3	25.8	0.8	7.2	0.0	51
FEB	_	0.1	0	0	0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0			3.4	0.1	1.7	0.0	
JAN	0	0	0	0	0	29	ω	0.2	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	82.3	2.7	59.0	0.0	163
DEC	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		0	0.0	0.0	0.0	0.0	0
NOV	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	0	0	0		0.0	0.0	0.0	0.0	o
OCT	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	0	0	0	0	1			0.0	d
DAY	_	2	ო	4	Ŋ	9	7	80	6	10	11	12	13	4	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTA	MEAI	MA	NIM	ACKE FI

Data is provisional and subject to revision

Coyote Creek, near Oak View

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

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

WATER YEAR OCTOBER 2015 TO SEPTEMBER 2016 Daily Mean Discharge, cubic feet per second

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	NUC	JUL	AUG	SEP
7	0.1	0		c	ĸ	ď	4	20	00	c	c	c
- (5 6	3 0					۲.	- 1	9 6			0 (
7	5	7.0	Э.	Э.	١٥	7	o i	0.0	0.7	Э :	Э,	Э (
m	0.1	0.3	0	0	2	-	4	9.0	0.1	0	0	0
4	0.1	0.2	0	0	က	9	2	9.0	0.1	0	0	0
2	0.1	0.2	0	7	က	35	7	9.0	0.1	0	0	0
9	0.1	0.2	0	7	3	29	က	9.0	0.2	0	0	0
7	0.1	0.2	0	က	2	42	2	0.5	0.2	0	0	0
80	0.1	0.1	0	7	2	28	2	0.5	0.1	0	0	0
6	0.1	0.2	0	7	ဗ	10	ღ	0.5	0.1	0	0	0
10	0.1	0.2	0	-	ဗ	4	2	0.5	0.1	0	0	0
11	0.1	0.1	0	-	3	80	2	0.5	0.1	0	0	0
12	0.1	0.1	0	0.5	7	17	7	0.4	0.2	0	0	0
13	0.1	0.1	0	4.0	က	12	7	0.4	0.1	0	0	0
14	0.1	0.1	0	0.3	7	10	7	0.4	0.1	0	0	0
15	0.1	0.1	0	0.3	ဗ	12	-	0.4	0.1	0	0	0
16	0.1	0.1	0	0.2	9	13	-	0.4	0.1	0	0	0
17	0.1	0.1	0	0	ဗ	13	-	0.3	0.1	0	0	0
18	0.1	0.1	0	0.2	က	41	τ-	0.3	0	0	0	0
19	0.1	0.1	0	0.3	7	7	<u>, </u>	4.0	0	0	0	0
20	0.1	0	0	0.4	0	7	~	0.4	0	0	0	0
21	0.1	0	0	0.7	4	80	2	0.3	0	0	0	0
22	0.1	0	0	9.0	ø	7	2	0.3	0	0	0	0
23	0.5	0	0	9.0	ω	2	2	0.2	0	0	0	0
24	0.4	0	0	-	7	4	7	0.2	0	0	0	0
25	0.4	0	0	-	2	4	~	0.2	0	0	0	0
26	0.4	0	0	0.4	2	2	-	0.2	0	0	0	0
27	0.3	0	0	0.7	-	2	•	0.2	0	0	0	0
28	0.3	0	0	-	7	2	0.8	0.2	0	0	0	0
29	0.2	0	0	-	ო	თ	0.8	0.2	0	0	0	0
30	0.2	0	0	-	l	2	0.8	0.2	0	0	0	0
31	0.2	ı	0	11	ı	4	l	0.2	I	0	0	ı
TOTAL	٦,		0	39.2	1136	370.6	57.9	12.6	22	0	0.1	0.4
MATIAN) (7	0 %	12.0	0 7	2	ļ r			
	7.0		9 (? !	; '	5.5	· ·	t I	- (9 (9 (9 (
MAX	0.5	0.3	0.0	10.5	თ	29	5.2	0.7	0.2	0.0	0.0	0.0
MIM	0.1	0.0	0.0	0.0	1.4	1.3	8.0	0.2	0.0	0.0	0.0	0.0
ACRE FT	10	9	0	78	225	735	115	25	4	0	0	-
Sediment d	Sediment deposition at site fr	site from up;	om upstream tributary.	ķ	16 data est	2016 data estimated from gage data and limited visual observations	yage data s	and limited v	inesho leusi	ations		

Sediment deposition at site from upstream tributary. WY 2016 data estimated from gage data and limited visual observations.

Biofouling of bubbler line. Discharge estimated.

Santa Ana Creek, near Oak View

VCWPD #: DATE INSTALLED: MAINTAINED BY: USGS#:

11117800 606 10/1958 CMWD

LATITUDE: LONGITUDE: ELEVATION: DRAINAGE AREA:

34°25'24" N 119°20'28" W 630 ft 9 sq mi

WATER YEAR OCTOBER 2015 THROUGH SEPTEMBER 2016 Daily Mean Discharge, cubic feet per second

SEP	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	0	0	0	I	0.0	0.0	0.0	0.0	,
AUG	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	0	0	0	0	0.0	0.0	0.0	0.0	>
JUL	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	0	0	0	0	0.0	0.0	0.0	0.0	>
NOC	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	0	0	0	ı	0.0	0.0	0.0	0.0	,
MAY	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.2	0.1	0.3	0.0	1
APR	1.2	1.1	1.1	1.0	6.0	6.0	6.0	1.2	1.2	1.0	6.0	0.8	0.8	0.8	0.7	9.0	9.0	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	4.0	0.4	0.4	1	21	0.7	1.2	0.4 4.0	1
MAR	0	0	0	0	0	5.0	5.9	4.0	3.4	3.1	4.1	4.5	3.8	3.5	3.2	3.0	2.8	2.6	2.4	2.4	2.3	2.2	1.8	1.7	1.6	1.5	1.3	1.3	1.3	1.2	1.2	71	2.3	5.9	0.0	
FEB	9.0	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	0	0	1	I	9.0	0.0	9.0	0.0	-
JAN	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	0	0	0	2.2	2.2	0.1	2.2	0.0	-
DEC	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	0	0	0	0.0	0.0	0.0	0.0	,
NOV	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	0	0	0	ł	0.0	0.0	0.0	0.0	>
ОСТ	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	0	0	0	0	0.0	0.0	0.0	0.0	,
DAY	-	2	က	4	5	9	7	80	6	10	17	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	MEAN	MAX	MIN	

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.

HISTORICAL HYDROLOGY DATA

Casitas Reservoir Inventory Annual Summary

- Calendar Year 1959 - Present

<u>Annual Rainfall (Water Year 1959 – Present):</u>

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

Monthly Rainfall (Water Year 1960 - Present):

- Lake Casitas (upper) Recreation Area

<u>Ambient Air Temperatures (Calendar Year 1960 – Present):</u>

- Lake Casitas (upper) Recreation Area
- Casitas Dam

Robles - Casitas Canal Monthly Diversions

- Calendar Year 1959 - Present

HISTORICAL RAINFALL CASITAS MUNICIPAL WATER DISTRICT

		G. Carm. C		VID + DI VI
	CASITAS	CASITAS	MATILIJA	YEARLY
WATER YEAR	DAM	RECREATION	DAM	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
			64.27	
97-98				
98-99	12.68	10.67	12.56	11.97
99-00	24.35	21.94	26.79	24.36
2000-01	29.36	-1100		
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			
05-06	26.52	25.84	34.58	28.98
06-07	8.60	7.15		8.33
07-08	26.19	24.58	33.62	28.13
08-09	14.82	12.91	16.56	14.76
09-10	31.13	28.48	36.54	32.05
2010-11	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	
14-15	11.65	10.06	17.57	13.09
15-16	14.64	14.33	16.20	15.06
		22.72	28.11	24.79
AVERAGE	23.54			
MAXIMUM	59.54	58.78	74.44	
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

ethier.

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

1959 100 0 0 1.25	W. YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1996 0														
1982														
1983 0.49 0.01 0.05 1.35 6.85 3.59 2.61 0.39 0.51 0 0 1.69 17.54 1984 0.48 4.57 0 2.53 0 1.84 2.17 0.11 0.13 0 0.21 0 1.20 1986 0.84 3.39 8.33 0.67 0.38 1.59 7.29 0.01 0.01 0 0 0 0.26 22.77 1986 0.84 3.39 8.33 0.67 0.38 1.59 7.29 0.01 0.01 0 0 0 0 0.22 22.53 1967 0.02 4.80 9.71 7.80 0.27 3.53 5.82 0 0 0 0 0 0 0 0.35 32.20 1967 0.02 4.80 9.71 7.80 0.27 3.53 5.82 0 0 0 0 0 0 0.35 32.20 1968 1.32 0.91 2.62 2.65 1.25 1.11 0.14 0 0 0 0 0 0 0 0 0											0	0	0	33.96
1984 0.48 4.57 0 2.53 0 1.84 2.17 0.11 0.13 0 0.21 0 1.204 1985 0.84 3.39 8.33 0.67 0.38 1.59 7.29 0.01 0.01 0.0 0 0.26 22.77 1986 0 14.19 7.07 2.51 1.11 0.04 0 0.10 0 0 0 0 0.22 25.23 1986 0 0.53 1.15 1.53 1.51 4.78 1.13 0 0 0 0 0 0 0 0.55 32.30 1988 0 0.503 1.15 1.53 1.51 4.78 1.13 0 0 0 0 0 0 0 0 0										0.51	0	0	1.69	
1968 0.84 3.39 8.33 0.67 0.38 1.59 7.29 0.01 0.01 0 0 0.26 22.77 1968 0 14.19 7.07 2.51 1.11 0.04 0 0.10 0 0 0 0 0 0.22 25.23 1967 0.02 4.80 9.71 7.80 0.27 3.53 5.82 0 0 0 0 0 0 0.35 32.30 1968 0 5.03 1.15 1.15 1.15 1.15 1.15 1.15 0 0 0 0 0 0 0 0 1968 0 5.03 1.15 1.15 1.15 1.15 1.15 0 0 0 0 0 0 0 0 1969 0 3.52 0.10 3.68 1.70 5.43 2.21 0 0 0 0 0 0 0 0 0 1971 0 6.36 6.94 1.51 0 0 0.71 0.55 0.03 0 0 0 0 0 0 0 0 1972 0.15 0.62 11.02 0.33 0.58 0 0.16 0 0.02 0 0 0 0 0 0 0 1973 0.13 6.75 1.20 9.14 14.17 3.16 0 0 0 0 0 0 0 0 0											0	0.21	0	12.04
1966										0.01	0	0	0.26	22.77
1987 0.02											0	0	0.21	25.23
1988							3.53	5.82	0	0	0	0	0.35	32.30
1969 1,23								1.13	0	0	0	0	0	15.11
1969 1970 O							1.26	2.01	0.01	0	0.12	0	0	47.55
1972	1969/1970			0.19	3.68	3.70	5.43	0	0	0	0	0		
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 0 34.55 1974 0.65 1.94 1.43 9.40 0 4.82 0.09 0 0 0 0 0 0 0 34.55 1974 0.67 0.12 10.26 0 4.96 6.55 1.54 0 0 0 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 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 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 0 0 1.35 49.60 1979 0 2.57 2.48 6.00 5.90 7.83 0 0 0 0 0 0 0 0 0	1971	0	6.36	6.94	1.51	0	0.71	0.55	0.03	0	0	0	0	
1974 0.65	1972	0.15		11.02	0.33	0.58	0	0.16	0	0.02	0	0	0.14	
1975 0.97	1973	0.13	6.75	1.20	9.14	14.17	3.16	0	0	0				
1976 0.23	1974	0.65	1.94	1.43	9.40	0	4.82	0.09						
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 0.96 6.57 11.35 13.94 14.71 2.53 0 0 0 0 0 0 0 1.35 49.68 1979 0 2.57 2.48 6.00 5.90 7.83 0 0 0 0 0 0 0 0 0	1975	0.67	0.12	10.26	0	4.96	6.50	1.54						
1978 0.02 0.09 6.57 11.35 13.04 14.71 2.53 0 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 0 0 0.88 25.64 1979/1890 0.64 0.95 1.96 9.56 16.93 40.44 0.75 0.32 0 0 0 0 0 0 35.15 1981 0 0 0 2.21 4.59 2.15 7.45 0.59 0 0 0 0 0 0 0 1.69 1982 0.67 2.64 0.78 4.20 0.90 6.85 2.81 0 0 0 0 0 1.48 20.34 1983 0.71 5.87 4.60 12.59 8.48 9.13 4.86 0.18 0 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 0.08 1.06 17.42 1985 0.41 4.21 6.91 1.42 1.71 1.02 0.02 0 0 0 0 0 0 1.63 1.08 17.42 1985 0.41 4.21 6.91 1.42 1.71 1.02 0.02 0 0 0 0 0 0 1.25 32.29 1.98 1.52 1.14 4.10 3.53 2.63 1.75 3.08 0 0 0 0 0 0.07 17.82 1.98 1.99 0 1.18 3.91 0.48 4.74 0.87 0.34 0.22 0 0 0 0 0.07 17.82 1.99 1.99 0.66 0.47 0 3.67 2.92 0.01 0.18 0.93 0.03 0 0 0 0.23 3.95 1.99 0.62 0.25 0.25 0.55 0.05 0.05 0 0 0 0.07 17.82 1.99 0.62 0.65 0.65 0.65 0.65 0.65 0.05	1976	0.23	0	0.13	0	6.43	2.10	0.71	0	0.25				
1979 0														
1997 1990		0.02												
1981 0														
1982	1979/1980	0.64	0.95											
1993														
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2013 0.15 3.74 3.15 1.91 0.10 0.81 0.25 0 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 2016 0.40 0 0.36 6.72 2.35 4.00 0.50 0 0 0 0 0 14.33 AVG 0.80 2.41 3.38 5.22 5.24 3.75 1.29 0.30 0.05 0.01 0.04 0.32 22.82 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											0	0	0.01	
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AVG 0.80 2.41 3.38 5.22 5.24 3.75 1.29 0.30 0.05 0.01 0.04 0.32 22.82 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										0	0	0	0	14.33
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														
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	AVG	0.80	2.41	3.38	5.22	5.24	3.75	1.29	0.30	0.05	0.01	0.04	0.32	
								8.21	3.21	0.94	0.32	1.18	7.32	
							0	0	0	0	0	0	0	7.15

Rainfall in inches, water year October 1 through September 30

CASITAS RESERVOIR INVENTORY ANNUAL SUMMARY

(CALENDAR YEAR - ALL VALUES IN ACRE-FEET)

	Last Day	DATA (START OF YEAR- of Previous Month)	IN	FLOW FOR Y	ÆAR	RELE	ASES FOR	YEAR	00111	5) (A D	DAINEALL	STORAG	SE VOLUME
YEAR	ABOVE MSL	STORAGE	DIRECT	VENTURA RIVER DIVERSION	TOTAL	TO CONV. SYSTEM	DOWN RIVER	TOTAL	SPILL FOR YEAR	EVAP FOR YEAR	RAINFALL ON LAKE SURFACE	MAXIMUM FOR YEAR	MINIMUM FOR YEAR
1959	350.00	STORAGE -	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	477.68	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	- 4 570	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	240,222 223,208	216,395 206,564
1982	552.52	216,444	5,206	9,933	15,139	14,739	73 73	14,812 15,830	17,877	8,339 8,844	5,645 11,699	259,264	213,562
1983	551.56	214,078	44,548	22,131 2,087	66,679 4,965	15,757 23,007	73	23,080	- 17,077	10,637	2,924	249,958	220,748
1984 1985	565.49 555.15	249,931 223,006	2,878 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 2,718	242,359	204,837 194,359
2002	555.24	223,233	-403	4 574	-403	22,092		22,092 16,571		8,286 7,985	3,583	223,183 197,199	178,563
2003	543.65	195,172	3,429	1,571	5,000	16,571 20,214		20,214	-	7,985	4,897	182,113	157,595
2004	536.62	179,219	9,006 53,115	2,853 26,906	11,859 80,021	17,673		17,673		7,763	7,798		169,160
2005	531.47	167,988 230,891	9,382	12,070		17,873		17,073		7,649	5,534	252,651	231,585
2006	558.25 559.06	230,891	-1,450	12,070	-1,450	21,326		21,326		8,571	2,253		203,810
2007	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	-1,724	-	-1,724	14,151	-	14,151		4,295	2,394	107,759	89,317
2017	486.02	89,344											
AVG:	524.30	172,712	11,883	10,751	22,633	15,350	88	15,438	1,966	7,861	4,224	192,965	
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	
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 DAM WEATHER STATION (Degrees F.)

<u>د</u> و	1 -	2	41	t [6	-	m	ماه	ചെ	41	ol	ماو	ממ	2 -	- 2	(m)	او	olu	مار	מום	7	- 6	-	2	4	0	7	2	0 6	0	2	7	9 4	- 2	<u>-</u>	ي اي	-	2	-	- -	-	0	اه	-	2 0	, <u>-</u>	9	ء او	14
DECEMBER DECEMBER	5) 52	54	+	2	\vdash	200	+	54	20	46	1 4	2 4	2	5	2	4 1	+	20 20	+	+	5	5	2 54	5	5	2	2 0	2	9		3 54	52		7 56	2 2	3	7	2 2	5 6	7	8 5	8 1	04	7 5	3	0 4	5
ECEM × min		Н	22	+	\vdash	\vdash	-	+	+	30	24	30	+	100	25	-	2 2	+	3 5	2 6	1 6	29	22		24	3 26	5	2 2	2	29	_	3 34	26	Н	3 3	-	3	2 2	2 2	2 2	2	3 2	2 2	2 6	2	20	200	2
_	=	\vdash	87	+	8	H			8	78	2 2	0 6	7 6	90	83	83	7	8 8	2 8	+	76	74	82	8	8	86	8	2 8	7	8	78	7 8	8	H	8 8	-	7.2	2	2 2	2 8	8	78	7	74	- 12	83	87	+
NOVEMBER nax min avo		55	56	54	58	28	9	64	28	56	54	2 2	5,5	55	9	61	54	2 2	28	25	57	55	55	61	57	57	8	9 9	29	57	52	5 6	8	26	23	58	28	55	5	8 8	28	61	57	5,5	28	25	5 62	62
VEMI		31	32	28	34	34	8	42	33	32	33	34	2 6	25	26	32	3	77	33	3	2 6	32	30	36	31	31	59	33	34	32	28	9 8	9	35	33	4	39	8	3 28	28	32	39	33	33	3	35	3 3	32
	82	6	8	88	83	96	88	88	9	82	88	8 2	9	92	97	94	92	8 8	9 6	28	8 6	82	88	88	87	88	94	94	8	92	82	8 8	100	82	8 2	69	91	83	8 8	96	92	94	87	93	97	8	9 6	97
SER avg	62	62	62	99	99	99	65	28	62	6	8 2	0 2	3 6	72	65	62	65	9	60	8	89	63	65	63	89	65	62	65	65	65	63	65	99	63	89 69	65	61	89	62	62	64	29	64	65	67	62	3 68	73
OCTOBER ax min ave	37	37	41	4	40	39	9	32	37	32	25	300	30	35	37	38	43	8 8	3 6	4	45	39	34	40	49	42	32	36	46	44	33	8 5	37	88	4 6	51	41	45	42	38	39	38	36	39	39	33	4 4	42
oc x	93	103	93	8 6	66	88	8 2	82	91	102	133	90	103	86	97	92	92	80	95	9	8 6	91	66	95	107	102	92	105	95	100	97	97	102	93	9 8	79	66	100	94	92	100	103	66	103	106	8	106	66
BER	69	65	65	99	65	89	2 2	67	67	65	68	0	67	68	68	99	200	7/	67	67	73	77	99	63	69	67	68	69	69	68	69	20	75	69	71	20	20	69	67	68	89	11	73	67	73	7	76	72
SEPTEMBER	44	37	45	44	45	44	51	40	48	43	41	45	46	46	50	43	43	4	44	44	5.	51	40	41	49	46	46	50	20	45	46	46	50	48	43	54	46	20	46	46	45	49	47	43	49	45	52	46
SEP	102	66	100	100	95	88	86	102	96	102	7	600	98	104	92	94	108	200	95	3 5	106	108	94	98	101	108	100	97	86	103	95	3 13	104	106	103	85	109	101	103	101	110	102	103	103	105	104	109	106
T.	99	89	89	62	70	70	4	65	2	89	72	2 2	99	99	89	2	89	8	20	2	74	74	71	70	69	69	89	71	73	20	73	72	74	75	69	70	69	74	2 2	2	73	73	7	89	74	7	74	71
AUGUST x min a	44	39	47	48	49	49	54	46	47	48	20	40	45	45	47	49	46	44	48	47	49	53	49	20	47	48	48	48	20	52	51	50	51	51	52	55	49	37	20	20	51	52	46	45	48	49	20	20
AL	95	95	92	95	103	94	8 2	06	104	97	88	2 8	84	94	102	90	94	32	104	102	105	96	101	103	101	92	93	96	101	93	102	103	110	108	98	85	93	101	100	86	102	92	106	99	66	105	103	91
200		89	65	67	65	99	89	89 1	67	88	88	2 9	3 8	99	89	89	67	19	20 02	8	8 8	74	73	89	99	71	2	73	17	89	89	2 2	20	71	2 2	69	70	73	71	192	72	71	71	80 09	69	7	72	72
JULY	-	47	47	45	47	46	25	48	49	48	48	14	46	45	48	64	45	1 40	47	47	48	52	52	49	46	51	20	20	49	52	52	2 20	20	51	48	56	51	20	50	54	51	51	20	46	48	20	54	21
J		97	89	94	90	68	93	97	06	103	66	5 8	000	91	90	104	106	88	94	200	101	86	105	89	92	93	9	25 26	97	89	96	100	66	96	95	82	86	97	94	107	97	96	96	86	88	93	9 5	88
DVE	=	62	62	61	+	65	61	62	62	64	62	20 9	84	61	99	64	99	200	70	2 5	64	09	29	65	65	64	99	68	99	29	89	65	67	65	29	89	99	65	64	27	99	69	99	63	99	88	68	88
JUNE	-	40	42	42	40	42	33	42	45	45	39	2 5	46	42	43	43	46	44	50	8 8	47	46	44	47	47	40	46	45	45	43	48	43	20	46	42	54	45	49	46	20	45	46	47	48	45	48	45	46
L		104	82	87	83	88	88 8	88	8	8	91	3 5	5 8	88	104	88	35	104	105	200	2 62	94	86	92	91	91	66	33 68	87	94	102	38	84	82	84	82	6	87	84	101	68	108	88	89	91	96	386	112
ave.		. 22	57	99	59	8	61	09	8	61	57	0 6	28	58	09	22	64	79	200	1 6	3 6	67	57	61	64	62	61	59	65	63	61	59	89	9	65	99	61	62	65	64	63	63	65	61	64	65	67	62
MAY	⊩	35	38	35	37	43	37	37	45	37	38	30	34	35	42	37	33	38	30	1	30	41	38	41	42	39	40	39	49	40	43	04 4	45	43	9 6	25	40	43	44	44	41	40	43	38 40	9	44	\$ 6	45
a xem		88	90	84	88	81	86	2 5	87	66	85	200	40	78	89	77	93	78	87	5 6	36	105	85	88	92	96	84	102	81	92	84	8 8	86	8	£ 6	212	94	95	102	8	86	66	86	83	92	66	2 6	82
970		52	09	99	57	00	20	92	28	22	22	0 4	27	22	54	28	55	200	200	2 2	26	59	61	59	62	59	63	59	64	61	59	29	61	57	20	57	28	63	29	57	59	61	28	90	29	61	62	62
APRIL	-	33		34	31	38	33	34	36	32	35	2 8	35	33	33	34	34	34	36	3 8	34 6	34	40	38	38	38	38	37	44	41	40	38	36	36	30	44	38	37	37	34	37	36	33	31	34	37	35	36
A	8	Н	91	+	-	96	1	82	83	87	06	40 6	22	62	89	87	8/2	200	989	2 2	32	94	91	92	93	92	103	88	91	89	89	89	94	98	93	71	87	87	102	85	84	100	5	3 83	88	88	96	93
5			20		-	56	54	+	+	+		27	+	22	55		57	22	54	+	+	+	55	Н	56		29	55	57	59	58	20 20	09	57	57	58	55	59	63	52	59	28	29	56	24	23	63	59
MARCH		\vdash	100	32	-	\vdash		-	+			3, 50		+			+	+	35	+	t	╀	31	Н	30	\dashv	32	31	39	36	36	36	33	33	34	46	31	36	37	30	32	34	33	32	29	34	338	36
MA		Н	80	+	\vdash	\vdash	+	+	+	-	-	72 ,	+	+	\vdash	-	+	+	200	-	+	+	⊢		81			91	81	85		82	1.2		82	7.	84	-	94	82	94			18	87	88	96	8
	22 8				1	-	_	_	_					1.	-										200			0.0		200			_				26							- 15	26	23		
RUA	29	30	31	29	29	30	30	36	90	34	30	22 62	308	27	31	30	31	87	32	33	33	31	26	31	59	30	28	23	35	36	59	14 0	35	35	36	33	27	30	37	31	32	30	31	30	53	82	37	8
FEBRUARY	75	85	74	82	85	78	98	84	7	84	91	75	2 2	79	98	88	82	= 1	8 8	3 2	2 2	83	88	90	82	87	98	84	87	9/	79	91	87	75	83	64	90	9/	77	06	89	87	84	84	86 29	84	88 06	94
≿ 8	48	54	52	200	54	20	25	2	25	23	52	4 9	404	52	54	52	54	49	2 2	200	5 2	56	51	57	20	53	51	54	54	52	54	5 33	54	54	55	51	51	59	52	53	20	20	57	56	25	51	58	54
JANUARY	24	26	25	28	29	28	29	27	28	24	23	27	24	3 2	23	29	29	77	33	26	280	31	28	35	24	29	26	27	31	28	30	32	33	29	30	35	28	34	22	29	21	30	29	32	30	23	33	25
JA	77 24	88	88	82	82	79	81	82	88	2	87	70	75	86	8	80	76	2 8	68	72	0 00	84	92	82	82	82	84	84	84	80	98	83	80	76	79	67	8	91	6/	79	85	77	8	85	83	83	93	85
	$\neg \Box$		22	3 4	55	9	7	8	6	0	- 5	7 5	2 2	. 2	9,	77	ω s	0	2 2	2	1 5	4	35	36	37	38	39	2 8	32	33	94	35	37	86	66	25	22	33	40 4	96	20	80	6	1 5	12	13	4 4	9
VEA	196	196	196	196	196	196	196	196	196	197	197	197	101	197	197	197	197	19,	198	108	198	198	198	198	198	198	198	9	195	195	199	19	195	195	190	200	200	200	200	2002	200	20(Š	20,00	2012	20	20,	20
		1	Ш		_	Ш	22.							_	L					_		_		ш	_	لـــا			_	_				Ш		_	ш				1	ш		_				لــــــــــــــــــــــــــــــــــــــ

[::::##::::] Daily values missing, accuracy limited
Averages are averages of all max and min daily temperatures
NA = not available
g:lengr.wkslhydrologytemperatures\historicallemps.xls

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

Marth Mart	N D N	22	51	53	53	25	22	25	49	8	22	49	46	51	22	3 6	5 1	53	52	56	49	54	56	27	22	70	10	20	53	52	47	20	51	45	200	48	54	2	5 5	1 2	20	54	52	22	55	52	51	51	22	7 2	10	ဂ္ဂ	48	20	47	47	20	53	53	25	53	53			52	
Martine Mart	EMBE	77	34	19	27	25	28	55	52	77	23	29	22	23	200	2 2	47	25	27	33	22	25	30	25	200	2 2	Y S	28	26	28	20	26	27	8	22	23	30	3 8	0 0	9 5	43	59	22	31	31	31	56	24	23	3 8	200	9 5	35	20	31	56	34	29	25	26	26	8		l	8	
Martine Mart	DEC	1	8	84	82	75	83	6/1	6	87	79	9/	89	80	200	5 6	2	83	82	78	9/	87	g	200	75	2 2	2 3	=	84	9/	74	82	90	82	78	74	85	90	3 3	4 2	=	84	8	83	81	84	7.1	78	2 2	4 6	2 6	3	40	82	62	78	67	78	83	79	17	73			90	П
Thirty: T		i-	25	57	99	54	28	92	8	28	88	22	44	55	22	3 9	8	54	29	28	53	29	25	2 g	200	3 2	¥ S	23	23	26	22	55	28	29	57	57	28	2 4	3 8	70	3	8	92	28	54	29	59	23	3 8	3 6	8 3	5	200	09	22	53	55	43	8	61	28	8		Γ	56	Ī
Thirty: T	/EMB	33	8	31	31	27	33	32	33	27	31	33	30	33	34	5 6	3	27	28	31	29	25	28	27	200	5 2	¥ S	2	8	33	28	28	27	25	300	3	34	5 6	3	47	8	4	32	34	30	32	38	28	2 4	8 8	3 8	8	34	40	28	27	34	34	38	88	34	34			25	
	S X	84	91	87	88	82	84	95	9	84	88	88	98	83	2	5 6	3	85	92	92	86	83	8	Q	30	5 6	8 8	2	84	98	83	88	91	68	6	87	6	8 8	0 0	à	S	100	8	90	86	80	6	8	17	- 6	8	35	88	92	87	92	84	88	88	85	85	84			100	П
Market M		-	64	61	64	62	61	64	92	62	23	62	09	9	200	3 6	8	61	63	62	65	63	84	9	3 6	3 8	3 6	3	6	61	99	83	61	69	65	9	99	3	3 3	¥ ;	40	¥	62	68	61	64	61	67	5 6	8 8	3	64	8	99	9	99	64	99	63	69	72	65			63	
Market M	TOB im	35	35	40	41	43	37	37	4	9	32	34	26	33	9	7	4	35	36	38	42	37	37	2	36	3 8	3 5	è	45	38	48	41	34	38	300	44	42	1	2	¥ S	8	Ä	9	43	41	43	40	43	2 6	3 6	8	48	9	40	32	36	38	42	49	42	48	44				
Mainthoop Main	S X	60	106	96	88	100	97	8	97	8	87	66	66	60	50	700	18	92	94	8	96	6	104	033	3 2	5 6	3	8	8	88	102	96	95	6	101	6	46	90	2	¥ S	88	Ä	83	100	88	66	45	00	8 8	80 0	င္သ	98	92	86	97	88	100	106	88	97	104	9		L	106	
Martin M	BER	7.1	99	89	74	99	62	62	2	62	62	99	89	67	7	5 0	8	20	69	65	69	72	99	9	8	3 5	7	/4	65	61	89	99	67	88	88	AN	7	100	2 7	7	69	75	89	65	67	68	72	9	3 8	60	40	5	88	69	72	61	69	70	73	74	79	69			89	
Martin M	TEM	41	44	43	52	41	49	45	22	88	41	45	42	32	4	7	40	47	20	44	41	44	36	av	36	7	4 2	2	42	42	45	44	45	46	44	AN	46	70	9 9	40	49	52	45	44	47	46	44	38	3 5	3 5	45	51	46	48	42	38	20	48	49	48	52	45				
Maintane	SEP	107	102	66	107	86	93	97	8	88	92	102	109	95	90	300	CS.	100	92	96	109	105	104	OR	300	3 5	3	5	9	87	101	104	102	6	8 6	¥ Z	100	3	7	3	35	66	105	100	104	96	101	8	3 8	9 6	37	6	9	96	101	102	102	96	100	110	102	105		L	110	
Marie National Part	ST	90	72	72	20	69	7	72	75	62	7	69	72	71	. 08	3	8	89	67	70	67	89	70	73	7.0	12	2 6	1/2	69	71	89	89	67	69	67	73	2	75	2 1	13	14	74	75	69	72	70	68	7.1	00	8	6	5	12	71	71	64	70	72	71	73	75	71			\perp	
Marie National Part	UGU.	44	48	45	46	46	47	20	54	45	43	42	49	44	77	40	40	42	49	49	47	48	49	47	40	2 5	9	25	20	53	44	49	46	44	44	20	20	200	3 5	2 2	25	22	44	49	51	51	48	2 02	3 8	4 5	4 5	51	2	52	46	42	52	20	55	20	29	51				
Manual Approximation	Max A	ğ	100	101	66	94	102	94	105	98	19	102	86	103	8	8	â	96	102	94	96	68	8	102	100	5 8	3	94	100	94	94	92	6	96	8 8	86	8	ξ	3 5	6	66	102	192	100	86	95	8	8	8 8	8 2	2 8	86		94	106	102	103	94	66	10	66	92		L	106	
Marie Name		75	72	67	69	70	99	88	2	72	99	71	89	71	67	2 2	2	89	67	69	69	69	73	7.4	10	2 8	8	3	73	89	83	2	69	7	99	Ž	99	3 6	2 2	7	2	69	69	69	69	69	9	2	1 0	8 8	200	9/		70	72	63	69	99	72	75	71	72		L	\vdash	
Markey Parkey P	JOL I	4R	49	45	46	46	41	4	49	98	46	48	48	AD	9	2 0	40	45	49	47	48	45	40	9	1	1	3 5	22	33	20	47	52	38	48	48	Y Y	50	3 2	70.	5	24	42	43	20	48	22	49	43	2 0	0 0	47	ဌ	8	48	42	42	52	40	54	20	51	48			\perp	
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[:::##:::] Daily values missing, accuracy limited
Averages are averages of all max and min daily temperatures
NA = not available
g:lengr.wkslydrology/temperatures\historicallemps.xfs

ROBLES-CASITAS CANAL MONTHLY DIVERSIONS

	JA	AN	F	EB	M	AR	Α	PR	MA	YΥ	Jl	JN	J	UL	AUG	3	SEP	00	CT	N	ov	DI	EC		TAL	
YEAR	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	days		days	a.f.	days	a.f.	days a.f.	days	a.f.	days	a.f.	days	a.f.	days	a.f.	Avg. Rain
1959	26	374	21	3645	23	928	3	158	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	2	24	14.98
1961	1	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 (-	0	0	1	23	2	32	10.14 36.97
1962	0	0	20	13564	31	6882	30	1438	5	31	0	0	0	0	0	0	0 (-	-	0	0	0	0	86 34	21915	18.77
1963	0	0	23	2043	11	896	0	400	0	0	0	0	0	0	0	0	0 0		-	0	0	2	176	5	354	13.93
1964	2	10	0	0	0	0	1 29	168 4955	0	79	0	0	0	0	0	0	0 0	-	-	14	11676	28	4729	75	21439	22.95
1965 1966	31	11440	28	3754	12	418	0	4955	0	0	0	0	0	0	0	0	0 (-	2	108	28	8782	104	25323	26.92
1967	20	6284	16	1170	23	5023	30	10488		8909	30	-	15	478	0	0	0 (-	-	9	291	18	504	196	35172	37.17
1968	0	0204	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 36	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 (-	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	_	-	1	5	0	0	25	1718	13.72
1973	15	3445	28	15331	31	14219	30	4274	23	1435	0	0	0	0	-	0	0 (-	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 (_	_	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 (-	3	510 0	0	0	51 11	12988 3438	24.90 18.66
1976	0	0	9	2855	0	0	0	0	0	50	0	0	0	0		0	2 583		-	0	0	4	1044	5	1094	12.88
1977	0	7000	0	42204	0		0	0	0	50 0	4		0	0	0	0	0 (_	-	0	0	0	0	73	28695	53.92
1978 1979	24	7290 0	28 26	13204 4712	17 16	7034 1796	0	0	3	670	0		5	1667	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	37	2717	37.21
1981	4	203	0	0	31	5018	2	551	0	0	0	0	0	0	177	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	7	657	14	3035	103	9933	21.68
1983	10	8994	28	8791	0	0	0	0	0	0	17	1138	20	1430	4	218	11 536	0	0	0	0	14	1024	104	22131	52.67
1984	0	0	8	1130	0	0	0	0	0	0	0	0	0	0	0	0	0 (0 0	-	0	0	9	957	17	2087	17.96
1985	3	528	1	1	0	0	0	0	0	0	0		0	0		0	0 (-		-	1522	9	964	19	3015	17.41
1986	2	1385	28	14926	31	14415	30	5430	22	1418	27	-	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	2	580	12	1614 9154	10.71 19.53
1988	10	1368	4	1533	15	4725	11	885	3	643	0	_	0	0		0	0 0		-		0	0	0	43	524	12.41
1989	0	0	7	524	0	0	0	0	0	0			0	0	0	0	0 0				0	0	0	0	0	10.27
1990	0	0	0	267	10		30	4186	12	925	0	-	_	0		0	0		-		0	2	366	63	17620	24.68
1991	5	1026	23	367 14826	18 31	11776 15898	30	7228	31	2460	9	-	0	0	-	504	0 (-	-	0	6	1847	139	44202	30.85
1993	27	21012	16	10886	0	0	0	0	7	963	5		4	785		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	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	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	4		32	11896	25.81
1998	5	1366	6	4972	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	11.97
2000	0	0	4	1459	10	3023	0	0	0	0	0.70			0	0	0	0		-		0	0	0	14 58	4482 15527	24.36 30.22
2001	2	451	13	2140	28	11786	14	1039	1	111	0	-		0	0	0	0		-	-	0	0	0	0	15527	9.38
2002	0	0	-	0	0	083	5	264	5	325	0	-		0	0	0	0		-		0	0	-	15	1571	26.37
2003	0	0	3	1010	5	982	0	204	0	323	0	-		0	0	0	0		+	-	0	7	1843	10	2853	16.73
2004	31	12925	28	9297	22	4533	0		. 2	116		-	_	0	0	0	0		_		0	0	0	83	26000	60:13
2006	7	444	1	246	22	1283	30	8525	31	1593		-		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	8.33
2008	16	4137	29	4707	31	1083	0	0	0	0	0	0	0	0		0	0		1 1 7	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	1	6	16	506	14.76
2010	13	3461		1954	31	685	18	368	-	0				_		0	0	-	-	_	0	13			10926	
2011	31	1739		714			30			1546			-			0		0 0				0	-			36.77
2012	0	0	-	0				75								0		0 0				0	-		87	
2013	0	0		0				0				-	-	-	_	0		0 0				2	-		1018	
2014	0			307			_						_	-		0		0 0	-			0			0	
2015	0	-		0												0		0 0					-		0	
2016 AVG	7		_						_		_	_		_		19			22		_	4				24.79
MAX	31	21012	-			16623				8909		1742		2710	-	504	11 62		821		11676		8782			
INIMA	_		-				-		0		0	-	-	-	-	0			0		-		-			
MIN	0	0	0	0	1 11	0	l n	U							0	U	"	_		-	-	_	_			



February 24, 2017

Contact: Ted Thomas – (916) 653-9712 Information Officer

Invasive Mussel Veligers Detected in the Santa Ana Pipeline; State Conducting Further Testing

SACRAMENTO – Mussel veligers (microscopic, free-floating larval life stage) this month were detected in water samples collected at the North Park valve of the Santa Ana Pipeline, which transports water from Silverwood Lake, San Bernardino County, to Lake Perris, Riverside County. Further testing is under way by the California Department of Fish and Wildlife (CDFW) to confirm the findings and determine if the veligers are quagga mussels or zebra mussels.

Quagga and zebra mussels are small, non-native freshwater mollusks that attach onto hard substrates and can cause damage to water delivery systems. The Department of Water Resources (DWR) routinely monitors for these mussels and has taken measures to prevent them from infesting the State Water Project (SWP) since the quagga mussel was first discovered in California in 2007.

Extensive sampling has occurred upstream and downstream of the North Park valve and no mussels have been detected. Currently, there is no evidence of mussels in Silverwood Lake or Lake Perris. Both lakes have been routinely monitored for mussels by DWR since 2008.

DWR has notified California State Parks, the United State Forest Service, and SWP water contractors affected by this potential detection. A multi-agency response team is collecting additional samples to verify these preliminary results. These efforts are being coordinated with CDFW, the State's lead agency in invasive mussel management.





Consumption Report

Water Sal	les FY 2016-2017 (A	cre-Feet)												Month	to Date
														2016 / 2017	2015 / 2016
Classifica	ition	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	Total
AD	Ag-Domestic	564	513	570	381	291	155	14	0	0	0	0	0	2,488	2,884
AG	Ag	451	386	382	276	213	102	11	0	0	0	0	0	1,822	
С	Commercial	75	80	71	33	23	15	7	0	0	0	0	0	303	
DI	Interdepartmental	8	7	7	6	5	5	3	0	0	0	0	0	41	46
F	fire	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 1	Industrial	2	1	1	1	1	0	0	0	0	0	0	0	6	8
OT	Other	28	19	18	16	7	7	2	0	0	0	0	0	96	83
R	Residential	121	117	122	88	73	64	44	0	0	0	0	0	628	706
RS - P	Resale Pumped	147	236	248	205	82	68	36	0	0	0	0	0	1,023	742
RS - G	Resale Gravity	163	169	165	287	303	272	238	0	0	0	0	0	1,597	2,747
TE	Temporary	3	1	2	1	2	1	0	0	0	0	0	0	11	9
Total		1,562	1,528	1,586	1,295	1,001	689	355	0	0	0	0	0	8,016	9,583
Iotal		1,302	1,320	1,500	1,233	1,001	003	333	U	U	U	U	U	0,010	9,505
Total 201	5 / 2016	1,421	1,689	1,781	1,559	1,396	1,364	373	660	555	1,001	1,142	1,404	N/A	14,345



CFD No. 2013-1 (Ojai) - Cost Analysis

	Services & Suplies	Legal Fees	Labor Expense	Other Services	Total Expenses
2011 / 2012 2012 / 2013 2013 / 2014 2014 / 2015 2015 / 2016	-289.50 831.82 29.89 0.00 6.12	42,560.00 223,462.77 91,878.06 68,457.10 152,811.84	11,098.37 14,836.68 3,835.65 0.00 2,938.86	0.00 0.00 0.00 0.00 0.00	53,368.87 239,131.27 95,743.60 68,457.10 155,756.82
July	0.00	5,624.87	0.00	0.00	5,624.87
August	0.00	21,652.74	221.06	0.00	21,873.80
September	97.98	19,326.07	0.00	0.00	19,424.05
October	0.00	11,486.55	552.67	0.00	12,039.22
November	0.00	15,352.45	0.00	0.00	15,352.45
December	5.77	33,611.03	0.00	0.00	33,616.80
January	0.00	39,089.38	1,665.39	0.00	40,754.77
Feburary	0.00	0.00	1,862.32	0.00	1,862.32
March	0.00	0.00	0.00	0.00	0.00
April	0.00	0.00	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00	0.00
June	0.00	0.00	0.00	0.00	0.00
Total YTD Cost	103.75	146,143.09	4,301.44	0.00	150,548.28
Total Cost	682.08	725,312.86	37,011.00	0.00	763,005.94
Tax Assessment - C	ounty of Ventura:	2015 / 2016			-460,342.64
Tax Assessment - C	ounty of Ventura:	2016 / 2017			-280,360.25
Total CMWD CFD 2	013-1 Cost				22,303.05

CASITAS MUNICIPAL WATER DISTRICT TREASURER'S MONTHLY REPORT OF INVESTMENTS 03/02/17

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	3133EGZW8	10/25/2024	\$833,918	\$790,455	2.014%	10/25/2016	4.02%	2753
*TB	Federal Farm CR Bank	31331VWN2	4/13/2026	\$923,371	\$861,618	1.901%	5/9/2016	4.38%	3281
*TB	Federal Farm CR Bank	3133EFK71	3/9/2026	\$853,651	\$840,059	2.790%	3/28/2016	4.27%	3247
*TB	Federal Farm CR Bank	3133EFYH4	2/8/2027	\$1,014,903	\$984,070	3.000%	3/24/2016	5.00%	3576
*TB	Federal Farm CR Bank	3133EGWD	9/29/2027	\$694,629	\$649,242	2.354%	11/17/2016	3.30%	3807
*TB	Federal Home Loan Bank	3130A3DL	9/8/2023	\$1,582,529	\$1,493,385	1.486%	10/13/2016	7.59%	2346
*TB	Federal Home Loan Bank	313379EE5	6/14/2019	\$1,365,155	\$1,355,184	1.625%	10/3/2012	6.89%	822
*TB	Federal Home Loan Bank	3130A0EN	12/10/2021	\$540,954	\$516,080	1.107%	5/9/2016	2.62%	1718
*TB	Federal Home Loan Bank	3130A5R35	6/13/2025	\$767,759	\$727,269	2.875%	2/19/2016	3.70%	2981
*TB	Federal Home Loan Bank	313383YJ4	9/8/2023	\$471,312	\$439,763	1.203%	7/14/2016	2.23%	2346
*TB	Federal Home Loan Bank	3130AIXJ2	6/14/2024	\$934,347	\$865,288	2.875%	8/2/2016	4.40%	2622
*TB	Federal Home Loan Bank	3133XFKF	6/11/2021	\$655,878	\$641,816	5.625%	1/16/2013	3.26%	1539
*TB	Federal Home Loan MTG Corp	3137EABA	11/17/2017	\$1,026,252	\$1,030,390	5.125%	1/3/2012	5.24%	255
*TB	Federal Home Loan MTG Corp	3137EADB	1/13/2022	\$676,232	\$673,674	2.375%	9/8/2014	3.42%	1751
*TB	Federal National Assn	31315P2J7	5/1/2024	\$801,815	\$750,165	1.721%	5/1/2016	3.81%	2579
*TB	Federal National Assn	3135G0ZR	9/6/2024	\$1,479,952	\$1,408,504	2.625%	5/25/2016	7.16%	2704
*TB	Federal National Assn	3135G0K3	4/24/2026	\$2,530,604	\$2,363,025	2.125%	5/25/2016	12.01%	3292
*TB	US Treasury Inflation Index NTS	912828JE1	7/15/2018	\$1,127,733	\$1,162,793	1.375%	7/6/2010	5.91%	493
*TB *TB	US Treasury Note	912828MF 912828WE	1/15/2020	\$1,127,082 \$768,553	\$1,179,216 \$787,981	1.375% 2.750%	11/18/2015 12/13/2013	5.99% 4.00%	1033 2413
ID	US Treasury Note	91202000	11/15/2023 _	\$700,000	φ/0/,901	2.730%	12/13/2013	4.00%	2413
	Accrued Interest				\$160,091				
	Total in Gov't Sec. (11-00-1055-00	&1065)		\$20,176,631	\$19,680,068			99.98%	
	Total Certificates of Deposit: (11.	13506)		\$0	\$0			0.00%	
**	LAIF as of: (11-00-1050-00)		N/A	\$450	\$450	0.68%	Estimated	0.00%	
***	COVI as of: (11-00-1060-00)		N/A	\$2,859	\$2,859	0.78%	Estimated	0.01%	
	TOTAL FUNDS INVESTED		_	\$20,179,940	\$19,683,377			100.00%	
	Total Funds Invested last report			\$20,186,771	\$19,667,704				
	Total Funds Invested 1 Yr. Ago			\$19,135,465	\$19,411,507				
***	CASH IN BANK (11-00-1000-00) E CASH IN Western Asset Money M			\$5,965,154 \$5	\$5,965,154 \$5	0.01%			
	TOTAL CASH & INVESTMENTS		- -	\$26,145,099	\$25,648,536				
	TOTAL CASH & INVESTMENTS 1 YR AG	0		\$23,876,582	\$24,152,625				

^{*}CD CD - Certificate of Deposit

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.

^{*}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