



Board Meeting Agenda

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

Pete Kaiser, Director
James Word, Director

CASITAS MUNICIPAL WATER DISTRICT

Meeting to be held at the
Casitas Board Room
Off the main lobby
1055 Ventura Ave.

Oak View, CA 93022

September 13, 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.
5. Consent Agenda
 - a. Minutes from the August 23, 2017 meeting.
 - b. Recommend approval of the invoice to Alliant Insurance Services, Inc. in the amount of \$63,241.47 for the renewal of the Special Liability Insurance coverage effective 9/29/17 – 9/29/18.

RECOMMENDED ACTION: Adopt Consent Agenda.

6. Review of District Accounts Payable Report for the Period of 8/18/17 - 9/06/17.

RECOMMENDED ACTION: Motion approving report.

7. Recommend acceptance of the Annual Water Allocation Report and continue with the allocation policy adopted June 8, 2016.

RECOMMENDED ACTION: Motion approving recommendation

8. Recommend acceptance of the hydrographic survey report and ratings table prepared by Tetra Tech and direct staff to us the accepted ratings table going forward.

RECOMMENDED ACTION: Motion approving recommendation

9. Discussion regarding Quagga Mussels and Invasive Species

- a. Resolution for application to the Quagga/Zebra Mussel Infestation Prevention Grant Program administered by the State of California Department of Parks and Recreation, Division of Boating and Waterways in the amount of \$89,380.30.

RECOMMENDED ACTION: Adopt Resolution

- b. Quagga Ad Hoc Committee Report from Director Russ Baggerly and Director Pete Kaiser with Recommendations for Action.

- i. Based upon the threats imposed by migrating Quagga Mussels toward the District, Lake Casitas and its water treatment and distribution facilities, the Quagga Mussel Ad Hoc Committee should become a standing committee of the Board and meet at least once per month until further notice.

RECOMMENDED ACTION: Direction to Staff

- ii. Recommend that the Board of Directors set a six week date for the completion of the CMWD *Quagga Mussel Rapid Response Plan* with a report made to the Board no later than October 25, 2017.

RECOMMENDED ACTION: Direction to Staff

- iii. Recommend that the Committee review United's responses to the *Public Records Act Request (PRA)* made by CMWD on August 30, 2017 and have the Committee report the findings to the board.

RECOMMENDED ACTION: Direction to Staff

- iv. Based on the information received from the *PRA*, the Committee could recommend to the Board of Directors

which defensive actions should be taken to defend CMWD against the movement of Quagga Mussels in both the Santa Clara and the Ventura Rivers.

RECOMMENDED ACTION: Direction to Staff

- v. Invite a contingent from United Water Conservation District to meet with the Quagga Mussel Ad Hoc Committee so that collaborative efforts can be entertained by both agencies to effectively eliminate this invasive species from the nearby Santa Clara River Watershed.

RECOMMENDED ACTION: Direction to Staff

- vi. Work with UWCD to expedite state and federal agency support and/or approvals for actions necessary to successfully eliminate Quagga Mussels in a timely manner.

RECOMMENDED ACTION: Direction to Staff

- 10. Recommendation to approve Change Order 1 and authorize the general manager to sign the change order in the amount of \$26,339.16 for additional work on the Ojai Water Meter Replacement project, Specification 17-394.

RECOMMENDED ACTION: Motion approving recommendation

- 11. Resolution setting a public hearing for consideration of an ordinance to authorize an adjustment of 5% to Board of Director's compensation.

RECOMMENDED ACTION: Adopt Resolution

- 12. Information Items:

- a. Executive Committee Minutes.
- b. Water Resources Committee Minutes.
- c. Water Consumption Report.
- d. CFD No. 2013-1 (Ojai) Monthly Cost Analysis.
- e. Investment Report.

- 13. Adjournment.

If you require special accommodations for attendance at or participation in this meeting, please notify our office 24 hours in advance at (805) 649-2251, ext. 113. (Govt. Code Section 54954.1 and 54954.2(a)).



Minutes of the Casitas Municipal Water District
Board Meeting Held
August 23, 2017

A meeting of the Board of Directors was held August 23, 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, Andreas Booher. There were three staff members and six members of the public in attendance. President Baggerly led the group in the flag salute.

1. Public comments (Items not on the agenda – three minute limit).

Ben Van Der Kar addressed the board expressing concern regarding the penalty charges that they incurred on their three ranches. We used 18% less water this growing season than last year. We don't want to be part of the problem draining the lake but we can't really cut down trees and stop watering them. Ben went on to state that his uncle did not read the messages on the bills so this was quite a surprise. We are feeling discouraged and trying to do the right thing. It was a decent rain year and we didn't see the lake fill up as much as we thought it would. If you would like to consider reducing that surcharge we would appreciate it.

2. General Manager comments.

Mr. Wickstrum reported on his meeting with the general manager at United Water Conservation District discussing obtaining information on their monitoring of quagga and releases from Santa Felicia dam and Piru Creek. I was able to share my thoughts on eradication and control. I also asked him for any consultant reports on the action they claim kills the quagga mussels. Would like to see that information if it is available to help us understand. President Baggerly asked if they have discovered anything downstream. Mr. Wickstrum stated from what I understand they have not discovered anything downstream but I want to see the data. President Baggerly asked if the article 21 water from Castaic has arrived? Mr. Wickstrum affirmed that he thinks it has been released.

Mr. Wickstrum then reported that the district has received many calls and letters on the annual conservation penalty and in accordance with the WEAP Ron Merckling will field those calls and letters and make recommendations. If the

customer wants to appeal, they will come back to the board at that time. We will progress through those very carefully through an administrative review.

Mr. Wickstrum provided an update on the Ojai system. The meter change outs are going well with over 50% changed. There are a handful of meters that are an issue. There were a few where the contractor forgot to open the angle stop and we had to go open it for the customer to get water. We are working with contractor to reduce the amount of air in the line. The assessment of the Ojai system is beginning with leak detection beginning September 6 through September 15. Tank inspections will be September 11 through the 15th.

Mr. Wickstrum asked that we adjourn in honor of Richard Barnett who passed away two weeks ago. He was a very special person to this district.

3. Board of Director comments.

Director Word stated it is a pleasure to be here in the new board room even though we are not 100% complete.

Director Hicks suggested naming a room in honor of Dick Barnett as he was a hero for this district.

4. Board of Director Verbal Reports on Meetings Attended.

Director Baggerly reported on his attendance at the Water Education for Latino Leaders meeting where there were about 15 city council members from around the state. They invited me to answer questions including questions regarding the eminent domain action against GSWC. They listened carefully to the fact that Casitas solidified the funding through the Mello Roos act. We won every case when we were challenged from Golden State and finally reached an agreement on cost and bonds sold and we took them over. Some questions had to deal with growth but we have no land use authority.

5. Consent Agenda

ADOPTED

- a. Minutes from the August 9, 2017 meeting.
- b. Recommend approval of a purchase order to Air Gas Inc. in the amount of \$23,155.54 for the purchase of a Miller Big Blue Pro Self-Contained Welder.
- c. Recommend approval of the request to reverse the \$915 allocation penalty from Laughing Dog Ranch.
- d. Recommend approval of the request to reverse the \$780 allocation penalty from Pacific Coast Management.

The consent agenda was offered by Director Word, seconded by Director Kaiser and passed 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 8/03/17 - 8/17/17. 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. Resolution awarding a contract to BSN Construction Inc. in the sum of \$40,914 for asphalt work project specification 17-395. ADOPTED

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

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

George Galgas asked if that cost is based on time and materials. Mr. Wickstrum explained that we have a laundry list of patches that need to be done. The patches are well defines as we have cut the asphalt and are ready for the last phase of patch.

8. Recommendation to award a purchase order contract to Presentation Products Inc. dba Spinitar in the amount of \$51,604.54 for the design-build of the Board Room Audio Visual System. 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

9. Recommendation approving hiring of a part-time Ventura River Watershed Coordinator position to be funded in part by the Ventura River Watershed Council partners. APPROVED

On the motion of Director Hicks, seconded by Director Bergen, 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 selecting a slate of candidates for the ACWA Region 8 Board Ballot. APPROVED

On the motion of Director Word, seconded by Director Kaiser the board approved item 1 of the nominating committee selection. This was approved by the following roll call vote:

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

11. Information Items:

- a. Executive Committee Minutes.
- b. Finance Committee Minutes.
- c. Personnel Committee Minutes.
- d. Lake Casitas Monthly Status Report for July, 2017.
- e. ACWA Call for Candidate Nominations for the 2018-2019 term.
- f. AWA 22nd Annual Member and Elected Officials Reception to be held September 21st.
- g. Investment Report.

On the motion of Director Word, seconded by Director Hicks the information items were approved 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 3:53 p.m. in honor of Richard Barnett.

CASITAS MUNICIPAL WATER DISTRICT
Inter-Office Memorandum

DATE: September 8, 2017
TO: Board of Directors
FROM: Assistant to General Manager, Rebekah Vieira
Re: Renewal of Special Liability Insurance Program

RECOMMENDATION:

It is recommended that the Board of Directors authorize payment of \$63,241.47 to Alliant Insurance Services, Inc. for the renewal of the Special Liability Insurance (SLIP) for coverage effective 9/29/17 – 9/29/18.

BACKGROUND:

The District's insurance broker, Alliant Insurance Services has successfully renewed coverage for the SLIP program with Great American E & S Insurance Company effective September 29, 2017. This renewal is \$2,299.23 higher than the cost for coverage last year.

If the District is interested in securing Terrorism Insurance Coverage, the District may elect to do so with the understanding that the District would receive an invoice for an additional 5% of the annual premium for the SLIP coverage.

In order for our liability coverage to be renewed under the SLIP program, payment of the premium must be made by October 16, 2017.



Alliant Insurance Services, Inc.
 Newport Beach – Alliant Insurance Services, Inc.
 1301 Dove St., Ste. 200
 Newport Beach
 CA 92660
 Phone: (949) 756-0271

Invoice# 183	Page 1 of 1
ACCOUNT NUMBER	DATE
CASIMUN-01	9/9/17
BALANCE DUE ON	
10/16/17	
AMOUNT PAID	AMOUNT DUE
	\$63,241.47

SLIP-Special Liability Insurance

Casitas Municipal Water District (see attached)
1055 Ventura Ave.
Oak View, CA 93022

Client:	Casitas Municipal Water District			Policy:	Special Liability Insurance (SLIP)	
Policy Number:	TBD			Effective:	09/29/17 to 09/29/18	
Invoice #	ICO	Trans Eff	Due Date	Trans	Description	Amount
183	GREAM5	9/29/17	10/16/17	RENB	SLIP Renewal Premium	\$50,655.73
183	GREAM5	9/29/17	10/16/17	SURT	Surplus Lines Taxes	\$1,519.67
183	GREAM5	9/29/17	10/16/17	SURF	Surplus Lines Stamping Fee	\$101.31
183	GREAM5	9/29/17	10/16/17	AFEE	Agency Fee	\$5,825.41
183	GREAM5	9/29/17	10/16/17	CFEE	MGA Service Fee	\$5,139.35
Total Invoice Balance:						\$63,241.47

ANNUAL PREMIUM FOR LIABILITY COVERAGE EFFECTIVE 9/29/17 TO 9/29/18

IMPORTANT NOTICE: The Nonadmitted & Reinsurance reform act (NRRA) went into effect July 21, 2011. Accordingly, surplus lines tax rates and regulations are subject to change which could result in an increase or decrease of the total surplus lines taxes and/or fees owed on this placement. If a change is required, we will promptly notify you. Any additional taxes and/or fees due must be promptly remitted to Alliant Insurance Services, Inc.

IMPORTANT NOTICE: The Foreign Account Tax Compliance Act (FATCA) requires the notification of certain financial accounts to the United States Internal Revenue Service. Alliant does not provide tax advice. Please contact your tax consultant for your obligations regarding FATCA.

Alliant embraces a policy of transparency with respect to its compensation from insurance transactions. Details on our compensation policy, including the types of income that Alliant may earn on a placement, are available at www.alliant.com. For a copy of our policy or for any inquiries regarding compensation issues pertaining to your account contact us at: Alliant Insurance Services, Inc., Attn: General Counsel, 701 B St. 6th Floor, San Diego, CA 92101

CASITAS MUNICIPAL WATER DISTRICT

Payable Fund Check Authorization


Checks Dated 08/18/17-09/06/17

Presented to the Board of Directors For Approval September 13, 2017

Check	Payee		Description	Amount
000747	Payables Fund Account	# 9759651478	Accounts Payable Batch 082317	\$67,613.68
000748	Payables Fund Account	# 9759651478	Accounts Payable Batch 083017	\$626,398.94
000750	Payables Fund Account	# 9759651478	Accounts Payable Batch 090617	\$1,277,657.72
				\$1,971,670.34
000749	Payroll Fund Account	# 9469730919	Estimated Payroll 9/14/17	\$200,000.00
000751	Payroll Fund Account	# 9469730919	Estimated Payroll 9/28/17	\$200,000.00
			Total	\$2,371,670.34

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, 000747-000751 have been duly audited is hereby certified as correct.

 9/6/17

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.

000747 A/P Checks: 027494-027538
A/P Draft to P.E.R.S.
A/P Draft to State of CA
A/P Draft to I.R.S.
Voids:

000745 A/P Checks: 027539-027669
A/P Draft to P.E.R.S. 000000
A/P Draft to State of CA 000000
A/P Draft to I.R.S. 000000
Voids: 027546, 027587, 027616, 027617, 027618

000750 A/P Checks: 027670-027761
A/P Draft to P.E.R.S.
A/P Draft to State of CA
A/P Draft to I.R.S.
Voids:

Denise Collin 9/6/17
Denise Collin, Accounting Manager/Treasurer

Signature

Signature

Signature

CERTIFICATION

Payroll disbursements for the pay period ending 08/26/17
Pay Date of 08/31/17
have been duly audited and are
hereby certified as correct.

Signed: Denise Collin 8/28/17
Denise Collin

Signed: _____
Signature

Signed: _____
Signature

Signed: _____
Signature

9/06/2017 9:58 AM
 VENDOR SET: 01 Casitas Municipal Water D
 BANK: * ALL BANKS
 DATE RANGE: 8/18/2017 THRU 9/06/2017

A/P HISTORY CHECK REPORT

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
C-CHECK	VOID CHECK	V	8/30/2017			027546		
C-CHECK	VOID CHECK	V	8/30/2017			027587		
C-CHECK	VOID CHECK	V	8/30/2017			027616		
C-CHECK	VOID CHECK	V	8/30/2017			027617		
C-CHECK	VOID CHECK	V	8/30/2017			027618		

* * T O T A L S * *

	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
REGULAR CHECKS:	0	0.00	0.00	0.00
HAND CHECKS:	0	0.00	0.00	0.00
DRAFTS:	0	0.00	0.00	0.00
EFT:	0	0.00	0.00	0.00
NON CHECKS:	0	0.00	0.00	0.00
VOID CHECKS:	5	VOID DEBITS 0.00 VOID CREDITS 0.00	0.00	

TOTAL ERRORS: 0

VENDOR SET: 01	BANK:	TOTALS:	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
			5	0.00	0.00	0.00
BANK:		TOTALS:	5	0.00	0.00	0.00

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00049	STATE OF CALIFORNIA							
I-T2 201708181249	State Withholding	D	8/30/2017	6.96		000000		
I-T2 201708281251	State Withholding	D	8/30/2017	10,972.59		000000		10,979.55
00128	INTERNAL REVENUE SERVICE							
I-T1 201708181249	Federal Withholding	D	8/30/2017	67.99		000000		
I-T1 201708181250	Federal Withholding	D	8/30/2017	1.51		000000		
I-T1 201708281251	Federal Withholding	D	8/30/2017	34,688.96		000000		
I-T3 201708181249	FICA Withholding	D	8/30/2017	128.68		000000		
I-T3 201708181250	FICA Withholding	D	8/30/2017	51.46		000000		
I-T3 201708281251	FICA Withholding	D	8/30/2017	33,545.08		000000		
I-T4 201708181249	Medicare Withholding	D	8/30/2017	30.10		000000		
I-T4 201708181250	Medicare Withholding	D	8/30/2017	12.04		000000		
I-T4 201708281251	Medicare Withholding	D	8/30/2017	8,128.20		000000		76,654.02
00187	CALPERS							
I-PBB201708281251	PERS BUY BACK	D	8/30/2017	216.95		000000		
I-PBP201708281251	PERS BUY BACK	D	8/30/2017	161.96		000000		
I-PEB201708181249	PEPRA EMPLOYEES PORTION	D	8/30/2017	64.86		000000		
I-PEB201708281251	PEPRA EMPLOYEES PORTION	D	8/30/2017	3,710.62		000000		
I-PEM201708281251	PERS EMPLOYEE PORTION MGMT	D	8/30/2017	3,156.28		000000		
I-PER201708281251	PERS EMPLOYEE PORTION	D	8/30/2017	6,636.58		000000		
I-PRB201708181249	PEBRA EMPLOYER PORTION	D	8/30/2017	67.79		000000		
I-PRB201708281251	PEBRA EMPLOYER PORTION	D	8/30/2017	3,878.64		000000		
I-PRR201708281251	PERS EMPLOYER PORTION	D	8/30/2017	10,874.48		000000		28,768.16
03227	Julio Adame							
I-565652	Camping Cancellation	R	8/23/2017	374.00		027494		374.00
03228	Priti Aghera							
I-555289	Camping Cancellation	R	8/23/2017	65.00		027495		65.00
02746	American Water Works Inc							
I-24353	Key - Unit 117	R	8/23/2017	45.40		027496		45.40
01703	ARNOLD LAROCHELLE MATTHEWS							
I-51134	Matter #5088-001	R	8/23/2017	2,772.00		027497		
I-51135	Matter #5088-019 7/17	R	8/23/2017	1,176.00		027497		3,948.00
01666	AT & T							
I-000010071574	T-1 Lines 9391051740	R	8/23/2017	1,907.66		027498		1,907.66
01666	AT & T							
I-000010082826	Local, Regional, Long Distance	R	8/23/2017	1,286.79		027499		1,286.79

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00018	AT & T MOBILITY							
I-829434088X08142017	PT Wildlife Biol Monthly Cell	R	8/23/2017	11.67		027500		11.67
03229	Janel Babauta							
I-569528	Camping Cancellation	R	8/23/2017	127.00		027501		127.00
03230	Nelida Bahena							
I-572650	Camping Cancellation	R	8/23/2017	130.00		027502		130.00
03231	Brian Belitski							
I-571309	Camping Cancellation	R	8/23/2017	123.00		027503		123.00
03232	Jason Bustios							
I-561306	Reduction In Camping Sites	R	8/23/2017	123.00		027504		123.00
02480	David Taussig & Associates, In							
I-1707068	D17-00115 CFD Tax Admin	R	8/23/2017	2,472.00		027505		2,472.00
03233	Mike Dean							
I-571285	Camping Cancellation	R	8/23/2017	105.00		027506		105.00
01705	RJ FADDIS							
I-080817	Advance-Aquatic Species Conf.	R	8/23/2017	708.38		027507		708.38
03234	Maria Fahrenholz							
I-556978	Camping Cancellation	R	8/23/2017	155.00		027508		155.00
03235	Leonal Gonzalez							
I-551283	Camping Cancellation	R	8/23/2017	65.00		027509		65.00
03236	Timothy Hargett							
I-556154	Camping Cancellation	R	8/23/2017	247.00		027510		247.00
03237	Armando Hernandez							
I-561093	Extra Vehicle Refund	R	8/23/2017	48.50		027511		48.50
01186	GERARDO M HERRERA							
I-081017	Reimburse Expense 8/17	R	8/23/2017	90.00		027512		90.00
01270	SCOTT LEWIS							
I-July 17	Reimburse Expense 7/17	R	8/23/2017	93.83		027513		93.83
03238	Gabriel, Lucio							
I-540167	Camping Cancellation	R	8/23/2017	193.00		027514		193.00

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00169	OJAI VALLEY SANITARY DISTRICT							
I-19484	Cust# 20594	R	8/23/2017	168.84		027515		
I-19558	Cust# 52921	R	8/23/2017	56.28		027515		225.12
03239	Anita Olivares							
I-562201	Camping Cancellation	R	8/23/2017	179.00		027516		179.00
03240	Rebekah Ortmann							
I-571298	Camping Cancellation	R	8/23/2017	105.00		027517		105.00
03241	Joseph Pina							
I-554613	Extra Vehicle Refund	R	8/23/2017	48.50		027518		48.50
03242	Sandra Ramirez							
I-559561	Camping Cancellation	R	8/23/2017	215.00		027519		215.00
03243	Bernice Rocha							
I-570796	Camping Cancellation	R	8/23/2017	85.00		027520		85.00
03244	Jeremy Rogers							
I-560838	Camping Cancellation	R	8/23/2017	254.00		027521		254.00
03245	Marily Rubio-Vega							
I-554276	Camping Cancellation	R	8/23/2017	90.00		027522		90.00
02475	Rutan & Tucker, LLP							
I-784490	Acct#0295180001 7/17	R	8/23/2017	455.00		027523		455.00
01109	SALVADOR LOERA TRANSPORTATION							
I-15448a	Invoice Correction	R	8/23/2017	60.00		027524		60.00
02597	Shell							
I-000000009303361170	Gas - Unit 44	R	8/23/2017	44.23		027525		44.23
00215	SOUTHERN CALIFORNIA EDISON							
I-081117	Acct#2397969643	R	8/23/2017	38,352.70		027526		
I-081217	Acct#2312811532	R	8/23/2017	84.02		027526		
I-082317	Acct#2157697889	R	8/23/2017	10,930.81		027526		
I-082317a	Acct#2266156405	R	8/23/2017	105.95		027526		49,473.48
00216	Southern California Gas Co.							
I-082317	Acct#18231433006	R	8/23/2017	59.23		027527		
I-082317a	Acct#00801443003	R	8/23/2017	257.34		027527		316.57

VENDOR SET: 01 Casitas Municipal Water D
 BANK: AP ACCOUNTS PAYABLE
 DATE RANGE: 8/18/2017 THRU 9/06/2017

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00050	STATE OF CALIFORNIA - EDD I-L0783702816 Unemployment Insurance	R	8/23/2017	1,696.00		027528		1,696.00
03247	Jeffrey Stuteville I-571699 Camping Cancellation	R	8/23/2017	127.00		027529		127.00
02643	Take Care by WageWorks I-6098998 Reimburse Med/Dep Care I-6117538 Reimburse Med/Dep Care	R R	8/23/2017 8/23/2017	90.00 215.50		027530 027530		305.50
03248	Ryan Tauro I-567319 Camping Cancellation	R	8/23/2017	187.00		027531		187.00
03003	Stephen Taylor I-081817 Reimburse Workers Comp	R	8/23/2017	338.52		027532		338.52
01967	Robert Vasquez I-081117 Reimburse Expenses 8/17	R	8/23/2017	95.00		027533		95.00
03249	Manuel Vital I-567739 Camping Cancellation&Reduction	R	8/23/2017	284.00		027534		284.00
02583	WageWorks I-INV259020 FSA Monthly Adming Fee	R	8/23/2017	175.00		027535		175.00
03250	Sandra Wilhite I-632593 Camping Cancellation	R	8/23/2017	30.00		027536		30.00
00274	JAMES WORD I-Apr 17 Reimburse Mileage 4/17 I-Feb 17 Reimburse Mileage 2/17 I-Jan 17 Reimburse Mileage 1/17 I-Jul 17 Reimburse Mileage 7/17 I-Jun 17 Reimburse Mileage 6/17 I-Mar 17 Reimburse Mileage 3/17 I-May 17 Reimburse Mileage 5/17	R R R R R R R	8/23/2017 8/23/2017 8/23/2017 8/23/2017 8/23/2017 8/23/2017 8/23/2017	78.11 60.99 57.78 12.84 64.20 64.20 67.41		027537 027537 027537 027537 027537 027537 027537		405.53
03251	Carl Wright I-555162 Camping Reduction	R	8/23/2017	100.00		027538		100.00
00270	Wells Fargo Bank I-080817a Parts for Ojai Sys. - EM I-080817b Parts for Ojai Sys. - EM I-080817c Parts for Ojai Sys. - EM I-080817d Laptop Battery - Board I-080817e Adobe License - Lab I-080817f Safety Mgmt Training I-080817g Breakroom Supplies - DO	R R R R R R R	8/29/2017 8/29/2017 8/29/2017 8/29/2017 8/29/2017 8/29/2017 8/29/2017	44.50 563.66 62.20 19.99 23.88 660.00 62.80		027539 027539 027539 027539 027539 027539 027539		

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
	I-080817h AC Unit - WP	R	8/29/2017	2,736.00		027539		
	I-080817i Hurricane Harbor Tickets - WP	R	8/29/2017	568.79		027539		
	I-080817j Standard SSL Renewal	R	8/29/2017	209.97		027539		4,951.79
00004	ACWA JOINT POWERS INSURANCE AU Health Insurance 9/17	R	8/30/2017	143,598.41		027540		143,598.41
00006	ADAMSON'S AUTOMOTIVE REPAIR Tow - Unit 52	R	8/30/2017	150.00		027541		150.00
00010	AIRGAS USA LLC Welding Supplies - LCRA	R	8/30/2017	398.35		027542		
	I-9066304100 Danger Labels - EM	R	8/30/2017	103.67		027542		
	I-9066406587 Earplugs,Gloves,Towelettes -PL	R	8/30/2017	258.01		027542		
	I-9947022690 Cylinder Rentals - PL	R	8/30/2017	127.65		027542		887.68
00012	ALL-PHASE ELECTRIC SUPPLY CO. Ethernet - EM	R	8/30/2017	1,746.03		027543		1,746.03
09569	ALLCABLE Cable Assembly - EM	R	8/30/2017	51.72		027544		
	I-2203352-00 Long Nose Pliers - IT	R	8/30/2017	32.87		027544		84.59
03044	Amazon Capital Services							
	C-19MJ-KTC4-RGMMb Accrue Use Tax	R	8/30/2017	1.45CR		027545		
	C-1Q6N-6PX6-CTL4b Accrue Use Tax	R	8/30/2017	17.47CR		027545		
	D-19MJ-KTC4-RGMMa Accrue Use Tax	R	8/30/2017	1.45		027545		
	D-1Q6N-6PX6-CTL4a Accrue Use Tax	R	8/30/2017	17.47		027545		
	I-ORTF-TFDK-FGNX Varidesk - Cons.	R	8/30/2017	402.19		027545		
	I-19MJ-KTC4-DXVK Life Vests - WP	R	8/30/2017	22.43		027545		
	I-19MJ-KTC4-G47L Life Vests - WP	R	8/30/2017	22.43		027545		
	I-19MJ-KTC4-GFLK Life Vests - WP	R	8/30/2017	67.29		027545		
	I-19MJ-KTC4-GN47 Life Vests - WP	R	8/30/2017	67.29		027545		
	I-19MJ-KTC4-GRJD Life Vests - WP	R	8/30/2017	22.43		027545		
	I-19MJ-KTC4-RGMM Large Drawstring Bags - WP	R	8/30/2017	27.18		027545		
	I-1GGG-NNDJ-DXPP Life Vests - WP	R	8/30/2017	22.43		027545		
	I-1GGG-NNDJ-FCXR Life Vests - WP	R	8/30/2017	22.43		027545		
	I-1GGG-NNDJ-FW3X Life Vests - WP	R	8/30/2017	22.43		027545		
	I-1GGG-NNDJ-HGFP Life Vests - WP	R	8/30/2017	67.29		027545		
	I-1JQJ-P71G-FDNJ Code Book & References - EM	R	8/30/2017	31.21		027545		
	I-1K1M-H9XR-J11F Life Vests - WP	R	8/30/2017	67.29		027545		
	I-1K1M-H9XR-LKWV Life Vests - WP	R	8/30/2017	22.43		027545		
	I-1K1M-H9XR-QW1X Life Vests - WP	R	8/30/2017	22.43		027545		
	I-1Q6N-6PX6-CTL4 Electrical Code Books - EM	R	8/30/2017	244.98		027545		
	I-1XWK-1W94-KVQ4 Life Vests - WP	R	8/30/2017	193.01		027545		
	I-1YDF-MR3D-DJ4M Life Vests - WP	R	8/30/2017	67.29		027545		
	I-1YDF-MR3D-GMDW Life Vests - WP	R	8/30/2017	22.43		027545		1,436.89

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00014	AQUA-FLO SUPPLY							
I-SI1070118	In-line Valves, Flostop - LCRA	R	8/30/2017	361.88		027547		
I-SI1079176	Cement, PVC Fittings - LCRA	R	8/30/2017	91.27		027547		
I-SI1079725	Irrigation Parts - WP	R	8/30/2017	161.19		027547		
I-SI1079727	PVC Fittings - LCRA	R	8/30/2017	174.65		027547		
I-SI1081880	Irrigation Line Repair - LCRA	R	8/30/2017	473.34		027547		
I-SI1082462	PVC Unions - WP	R	8/30/2017	12.07		027547		
I-SI1082466	PVC Fittings - EM	R	8/30/2017	10.60		027547		
I-SI1084807	Brass Fittings - UT	R	8/30/2017	22.29		027547		
I-SI1085305	Weathermatic Line Valve - WP	R	8/30/2017	81.49		027547		
I-SI1086924	Cement, Primer - EM	R	8/30/2017	17.23		027547		1,406.01
00840	AQUA-METRIC SALES COMPANY							
I-0066402-IN	Brass Water Meters - UT	R	8/30/2017	19,137.05		027548		
I-0066530-IN	Brass Water Meters	R	8/30/2017	689.74		027548		19,826.79
03011	Aquatics by Armando							
I-1469	Certified Pool Op. Course-WP	R	8/30/2017	750.00		027549		750.00
01323	ARGO CHEMICAL INC							
I-1708175	Ammonia Solution - TP	R	8/30/2017	2,287.89		027550		2,287.89
01666	AT & T							
I-000010131392	T-1 Lines 9391035541	R	8/30/2017	492.70		027551		492.70
00021	AWA OF VENTURA COUNTY							
I-082917a	Dist. Op. Math Workshop 8/31	R	8/30/2017	210.00		027552		
I-083117	Dist. Op. Math Workshop	R	8/30/2017	35.00		027552		245.00
00030	B&R TOOL AND SUPPLY CO							
I-1900901796	Concrete Blade - TP	R	8/30/2017	31.60		027553		31.60
00679	BAKERSFIELD PIPE & SUPPLY INC							
I-S2377317.001	Flanges - Whs	R	8/30/2017	95.53		027554		
I-S2381759.002	Fittings - UT	R	8/30/2017	14.62		027554		110.15
03123	Baltic Networks USA							
C-100123784b	Accrue Use Tax	R	8/30/2017	105.34CR		027555		
D-100123784a	Accrue Use Tax	R	8/30/2017	105.34		027555		
I-100123784	Scada Antennas - EM	R	8/30/2017	1,452.95		027555		1,452.95
02922	Bartel Associates, LLC							
I-17-513	Actuarial Consulting Services	R	8/30/2017	1,200.00		027556		1,200.00

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02283	Mary Bergen							
I-Apr 17	Reimburse Mileage 4/17	R	8/30/2017	21.08		027557		
I-Jun 17	Reimburse Mileage 6/17	R	8/30/2017	15.19		027557		
I-May 17	Reimburse Mileage 5/17	R	8/30/2017	15.19		027557		51.46
00032	BIOVIR LABORATORIES, INC							
I-171473	Giardia/Crypto Test 7/20/17	R	8/30/2017	365.00		027558		365.00
03207	BMI PacWest inc.							
I-010055	Repair Air Conditioning - EM	R	8/30/2017	458.33		027559		458.33
01062	BP Medical Supplies							
C-E244960b	Accrue Use Tax	R	8/30/2017	36.82CR		027560		
D-E244960a	Accrue Use Tax	R	8/30/2017	36.82		027560		
I-E244960	Medical Supplies - WP	R	8/30/2017	507.88		027560		507.88
03059	Brenntag Pacific Inc.							
I-BP1757592	Chlorine for Ojai Sys. - TP	R	8/30/2017	1,203.16		027561		1,203.16
03212	Cabrillo Economic Development							
I-081417	Main Extension Contract - GS	R	8/30/2017	69,625.70		027562		69,625.70
00044	CALIFORNIA ELECTRIC SUPPLY							
I-8997-524785	Square D Elect. Components-EM	R	8/30/2017	813.54		027563		
I-8997-525745	LED Whs Lights - Eng	R	8/30/2017	3,485.28		027563		4,298.82
03060	California Lutheran University							
I-IN-11708811	Conservation Radio Ad	R	8/30/2017	1,190.00		027564		1,190.00
00208	CareIQ							
I-611651898-1	Claim#1102WC170000001	R	8/30/2017	260.00		027565		260.00
00055	CASITAS BOAT RENTALS							
I-001528	Pontoon Usage - Lab	R	8/30/2017	480.00		027566		480.00
00511	Centers for Family Health							
I-611642293-1	Claim#WC150500102	R	8/30/2017	99.69		027567		99.69
03021	Central Communications							
I-170803147101	Call Center 8/17	R	8/30/2017	159.50		027568		159.50
01843	COASTAL COPY							
I-743516	Copier Usage - DO	R	8/30/2017	710.54		027569		
I-746490	Copier usage - LCRA	R	8/30/2017	345.00		027569		1,055.54

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00059	COASTAL PIPCO I-S1967829.001 Ball Valves - TP	R	8/30/2017	249.04		027570		249.04
00061	COMPUWAVE I-SB02087388 Wireless Access Point - IT I-SB02087537 Toners - LCRA I-SB02087573 Ports Switches - IT	R R R	8/30/2017 8/30/2017 8/30/2017	634.53 522.78 5,561.93		027571 027571 027571		6,719.24
00062	CONSOLIDATED ELECTRICAL I-9009-755475 Voltage Sensing Board - EM	R	8/30/2017	1,115.64		027572		1,115.64
01483	CORVEL CORPORATION I-553905 Claim#1102WC170000002 I-553906 Claim#1102WC170000003 I-555102 Claim#1102WC170000002 I-555103 Claim#1102WC170000003 I-6115080961 Bill Review I-611642293-1 Bill Review I-6116518981 Bill Review I-6116539181 Claim#1102WC170000001	R R R R R R R R	8/30/2017 8/30/2017 8/30/2017 8/30/2017 8/30/2017 8/30/2017 8/30/2017 8/30/2017	1,155.00 1,155.00 195.00 195.00 9.50 12.23 9.50 37.52		027573 027573 027573 027573 027573 027573 027573 027573		2,768.75
01525	CPS HR CONSULTING I-INV356895 Proj#E4129 - O&M Manager	R	8/30/2017	7,671.21		027574		7,671.21
00079	DANIELS TIRE SERVICE I-250085963 Tires - Unit 88	R	8/30/2017	1,957.52		027575		1,957.52
01856	DATA FLOW I-26091 Pink Door Hangers - Eng	R	8/30/2017	572.96		027576		572.96
00740	DELL MARKETING L.P. I-10184794880 Laptops - Cons. I-10185368040 Docking Stations - Cons. I-101853681968 Dell Computer - EM I-10185368219 Docking Station - Safety I-10185369424 Dell Monitor - EM	R R R R R	8/30/2017 8/30/2017 8/30/2017 8/30/2017 8/30/2017	2,735.47 293.84 1,567.89 1,514.66 305.12		027577 027577 027577 027577 027577		6,416.98
00081	DELTA LIQUID ENERGY I-048012 Propane - LCRA	R	8/30/2017	8.68		027578		8.68
01498	Department of Industrial Relat I-P1472616SN OSHA Inspection - WP	R	8/30/2017	886.25		027579		886.25

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00662	Diamond A Equipment							
I-P10201	Parts - Kubota Mower Unit 277	R	8/30/2017	215.19		027580		215.19
02667	Digital Telecommunications Cor							
I-27522	Phone System Troubleshoot	R	8/30/2017	250.00		027581		250.00
00086	E.J. Harrison & Sons Inc							
I-1415	Acct#500546088	R	8/30/2017	1,120.00		027582		1,120.00
00086	E.J. Harrison & Sons Inc							
I-27708	Acct#1C00053370	R	8/30/2017	146.94		027583		146.94
00086	E.J. Harrison & Sons Inc							
I-27729	Acct#1C00054230	R	8/30/2017	5,496.56		027584		5,496.56
00086	E.J. Harrison & Sons Inc							
I-27730	Acct#1C00054240	R	8/30/2017	155.23		027585		155.23
00095	FAMCON PIPE & SUPPLY							
I-194522	Coupling & Clamps - PL	R	8/30/2017	799.01		027586		
I-194910	Pipes, Stop Angle, Adapter - PL	R	8/30/2017	1,177.61		027586		
I-194946	Repair Clamp Kit - PL	R	8/30/2017	1,394.25		027586		
I-195241	Hand Pump, Valves - PL	R	8/30/2017	1,784.21		027586		
I-195502	Adapters - PL	R	8/30/2017	321.75		027586		
I-195529	Bushings, Straps - Pl	R	8/30/2017	161.95		027586		
I-195589	Rubber Washers - UT	R	8/30/2017	32.18		027586		
I-195590	Saddles - PL	R	8/30/2017	291.72		027586		
I-195694	Gaskets, Bushings - UT	R	8/30/2017	227.37		027586		
I-195696	Coupling & Fittings - LCRA	R	8/30/2017	136.21		027586		
I-195799	Repair Clamp - PL	R	8/30/2017	193.05		027586		
I-195917	Rubber Washers, Gaskets - PL	R	8/30/2017	511.58		027586		
I-195941	Gaskets, Bolts, Nuts - UT	R	8/30/2017	113.69		027586		
I-196088	Bolt & Nut Plated - UT	R	8/30/2017	72.39		027586		
I-196191	Angle Meter, Fittings - Whs	R	8/30/2017	1,883.04		027586		9,100.01
00093	FEDERAL EXPRESS							
I-5-909-49980	Shipping - Admin	R	8/30/2017	10.79		027588		10.79
00013	FERGUSON ENTERPRISES INC							
I-0605312	Bit - PL	R	8/30/2017	161.57		027589		
I-5011107	Toilet Parts - LCRA	R	8/30/2017	160.93		027589		322.50
00099	FGL ENVIRONMENTAL							
I-708921A	Nitrate Monitoring 7/25/17	R	8/30/2017	18.00		027590		
I-708923A	Manganese Monitoring 7/19/17	R	8/30/2017	145.00		027590		
I-708925A	Manganese Monitoring 7/19/17	R	8/30/2017	30.00		027590		
I-709159A	Manganese Monitoring 7/28/17	R	8/30/2017	70.00		027590		
I-709226A	Well Monitoring 8/2/17	R	8/30/2017	18.00		027590		
I-709231A	Nitrate Monitoring 8/2/17	R	8/30/2017	61.00		027590		342.00

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03116	FieldLogix							
I-13977	Annual GPS Fee	R	8/30/2017	13,194.24		027591		13,194.24
00969	FLW, INC.							
I-1159523	Temperature Switch - EM	R	8/30/2017	522.67		027592		522.67
00104	FRED'S TIRE MAN							
I-101865	Computer Balance,Tires-Unit 39	R	8/30/2017	807.30		027593		
I-101993	Mount - Unit EZ1	R	8/30/2017	20.00		027593		
I-102156	Oil Change - Unit 52	R	8/30/2017	47.83		027593		
I-102459	Flat Repair - Unit 13	R	8/30/2017	20.00		027593		895.13
01280	FRY'S ELECTRONICS, INC.							
I-6825133	Small Tools - IT	R	8/30/2017	181.00		027594		
I-6850047	Flash Drives - LCRA	R	8/30/2017	64.63		027594		
I-6850047a	Cabinet, Tools - IT	R	8/30/2017	121.73		027594		
I-6851905	Data Cable Patches - Eng	R	8/30/2017	97.78		027594		465.14
02720	Garda CL West, Inc.							
I-20246162	Excess Items - LCRA	R	8/30/2017	11.68		027595		11.68
02899	General Electric International							
I-Y051-32776	Battery Packs - EM	R	8/30/2017	488.42		027596		488.42
02835	Global Equipment Co., Inc.							
I-111307564	Drum Pumps - LCRA	R	8/30/2017	85.59		027597		
I-111425925	Drum Transfer Pump - TP	R	8/30/2017	45.71		027597		131.30
00115	GRAINGER, INC							
I-9512660862	Drum Containment - LCRA	R	8/30/2017	206.29		027598		
I-9519154786	Alarm, Fittings - Unit 20 & 24	R	8/30/2017	51.38		027598		
I-9523060904	Operating Wrench - TP	R	8/30/2017	115.58		027598		
I-9529052103	Pallet Jack Load - Whs	R	8/30/2017	407.11		027598		
I-9529052111	Hose - EM	R	8/30/2017	46.43		027598		
I-9529255540	Bookcase - Fish	R	8/30/2017	229.60		027598		
I-9531609080	Lockout Board - EM	R	8/30/2017	227.80		027598		
I-9537978760	Hex Key Set - DO	R	8/30/2017	11.19		027598		
I-9539921479	Submersible Well - TP	R	8/30/2017	617.11		027598		1,912.49
02217	Greg Rents							
I-45109	Covers,Cement,Mixer - PL	R	8/30/2017	79.35		027599		
I-45161	Plaster Sand - PL	R	8/30/2017	48.26		027599		
I-45376	Cement, Cart, Covers - PL	R	8/30/2017	50.94		027599		
I-45413	Cement, Cart, Cover - PL	R	8/30/2017	50.94		027599		
I-45533	Cement, Cover, Cart - PL	R	8/30/2017	50.94		027599		280.43

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01052	HARBOR FREIGHT TOOLS USA, INC							
I-811347	Tool Set - LCRA	R	8/30/2017	148.65		027600		148.65
00369	HARRINGTON INDUSTRIAL PLASTICS							
I-01399318	Poly Tubing - TP	R	8/30/2017	140.08		027601		
I-01399549	Drum Transfer Pump - TP	R	8/30/2017	403.29		027601		543.37
01772	HASAN CONSULTANTS							
I-080917	LCRA Sewer Study	R	8/30/2017	3,750.00		027602		3,750.00
00894	HOSE-MAN, INC.							
I-5240137-0001-05	Hose Repair - PL	R	8/30/2017	12.79		027603		12.79
02914	IE Safety Services, LLC							
I-1100	Safety Consulting Services	R	8/30/2017	544.74		027604		544.74
00127	INDUSTRIAL BOLT & SUPPLY							
I-180630-1	Bolt Gage - UT	R	8/30/2017	7.54		027605		
I-180959-1	Washers - UT	R	8/30/2017	58.19		027605		65.73
00872	Irrisoft, Inc.							
I-6176	Weather Station Signal	R	8/30/2017	79.00		027606		79.00
02820	Henry Islas							
I-082817	Safety Boots	R	8/30/2017	170.00		027607		170.00
02344	Janitek Cleaning Solutions							
I-28242A	Janitorial Services - DO	R	8/30/2017	1,395.00		027608		1,395.00
00131	JCI JONES CHEMICALS, INC							
I-731516	Chlorine - TP, CM 731602	R	8/30/2017	1,650.00		027609		
I-731848	Chlorine - TP, CM 731932	R	8/30/2017	1,650.00		027609		3,300.00
02396	Kemira Water							
I-9017556456	Ferric Sulfate - TP	R	8/30/2017	4,338.40		027610		4,338.40
02203	KEYT TV							
I-357283-1	WP TV Ad	R	8/30/2017	1,160.00		027611		
I-357290-1	WP TV Ad	R	8/30/2017	1,220.00		027611		2,380.00
00360	LESLIE'S POOL SUPPLIES, INC							
I-142-404522	Small Chemicals - WP	R	8/30/2017	104.11		027612		
I-142-404660	Small Chemicals - WP	R	8/30/2017	40.90		027612		145.01

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00328	LIGHTNING RIDGE							
I-8141706	Uniform Shirts & Hats - UT	R	8/30/2017	764.38		027613		764.38
00329	MCMASTER-CARR SUPPLY CO.							
I-43440541	Pipe Fitting - EM	R	8/30/2017	35.46		027614		
I-43700053	Fittings Heildelberger Tank	R	8/30/2017	351.96		027614		
I-44003217	Mounting Kits - LCRA	R	8/30/2017	66.06		027614		453.48
00151	MEINERS OAKS ACE HARDWARE							
C-780711	Back Support Return	R	8/30/2017	19.51CR		027615		
C-788702	Roofing Return - LCRA	R	8/30/2017	12.00CR		027615		
I-771166	Drywall Corner - PL	R	8/30/2017	0.11		027615		
I-776951	Glue,Sponges,Markers - PL	R	8/30/2017	52.34		027615		
I-779565	Bolts, Screws, Chain Link-Fish	R	8/30/2017	8.22		027615		
I-779739	Dawn,Paintbrushes,Wax - PL	R	8/30/2017	97.52		027615		
I-783450	Toilet Seat, Primer - LCRA	R	8/30/2017	117.50		027615		
I-783569	Paint,Rollers,Toilet Seat-LCRA	R	8/30/2017	448.66		027615		
I-784593	Googles,Gloves,Hangers-WP	R	8/30/2017	222.65		027615		
I-784594	Pool Noodle - WP	R	8/30/2017	57.72		027615		
I-785240	Hat, Gloves, Paint - LCRA	R	8/30/2017	150.60		027615		
I-785470	Tape,Glue,Cable Ties - PL	R	8/30/2017	107.78		027615		
I-786306	Batteries - PL	R	8/30/2017	11.93		027615		
I-786716	Bolts & Screws - LCRA	R	8/30/2017	5.36		027615		
I-786828	Bags,Lysol,Twill,Tape - LCRA	R	8/30/2017	51.80		027615		
I-786863	Pipe, Bolts, Screws - LCRA	R	8/30/2017	33.46		027615		
I-786868	Flex Seal - LCRA	R	8/30/2017	27.86		027615		
I-786901	Mortar Mix - LCRA	R	8/30/2017	71.06		027615		
I-787018	Tape,Brushes,Bolts,Screws-LCRA	R	8/30/2017	33.79		027615		
I-787172	Gasser - Maint	R	8/30/2017	29.23		027615		
I-787193	Ring Wax - LCRA	R	8/30/2017	14.94		027615		
I-787385	Bolts,Screws,Hammer Bit - LCRA	R	8/30/2017	31.78		027615		
I-787396	Grade Stakes - PL	R	8/30/2017	10.21		027615		
I-787454	Socket,Broom,Adapter - TP	R	8/30/2017	30.59		027615		
I-787459	Toilets - LCRA	R	8/30/2017	811.11		027615		
I-787463	Bolt Set, Toilet Shims - LCRA	R	8/30/2017	27.83		027615		
I-787537	Shovel,Sharpies,Lubricant-UT	R	8/30/2017	40.52		027615		
I-787574	Toilet Seat,Bolts,Screws - LCR	R	8/30/2017	436.00		027615		
I-787606	Flanges,Mortar Mix - LCRA	R	8/30/2017	50.41		027615		
I-787673	Tape, Surge Protector - LCRA	R	8/30/2017	40.85		027615		
I-787775	Trash Can,Chain - Maint	R	8/30/2017	25.76		027615		
I-787813	Gloves, Rubber Washers - EM	R	8/30/2017	8.75		027615		
I-788049	Respirator - LCRA	R	8/30/2017	8.77		027615		
I-788070	Connector,Straps,Seal,Fuse-WP	R	8/30/2017	142.87		027615		
I-788245	Dawn,Clorox,Sanitizer-LCRA	R	8/30/2017	78.49		027615		
I-788315	Bolts & Screws - LCRA	R	8/30/2017	1.72		027615		
I-788324	Bucket,Tape - UT	R	8/30/2017	10.85		027615		
I-788334	Markers - Pl	R	8/30/2017	7.06		027615		
I-788393	Fence Staples - WP	R	8/30/2017	5.34		027615		

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	I-788491		Roofing, Tape - LCRA	R	8/30/2017	12.94		
	I-788552		Bolts, Screws, Gloves - TP	R	8/30/2017	41.95		
	I-788642		Roofing - LCRA	R	8/30/2017	3.42		
	I-788842		Tape, Cable Ties - IT&TP	R	8/30/2017	21.34		
	I-788854		Rollers, Paint Trays - LCRA	R	8/30/2017	22.68		
	I-789014		Sanitizer,Tape,Clorox - LCRA	R	8/30/2017	38.11		
								3,420.37
02797	I-2017-CMWD-001		Milner-Villa Consulting Urban Water Mgmt Planm Serv.	R	8/30/2017	2,286.23	027619	2,286.23
03056	I-0121356-IN		Municipal Maintenance Equipmen Side Arm Mower - LCRA	R	8/30/2017	20,918.05	027620	20,918.05
00163			OFFICE DEPOT					
	I-951387135001		Cork Board - Admin	R	8/30/2017	31.09	027621	
	I-951387231001		Binders - Admin	R	8/30/2017	47.17	027621	
	I-953636291001		Office Supplies - DO & LCRA	R	8/30/2017	193.96	027621	
	I-953636620001		Certificate Paper - WP	R	8/30/2017	42.81	027621	
	I-954351079001		Office Supplies - DO	R	8/30/2017	56.52	027621	
	I-954745507001		Office Supplies - DO	R	8/30/2017	117.32	027621	488.87
01570			Ojai Auto Supply LLC					
	C-411742		Core Deposit Credit	R	8/30/2017	10.00CR	027622	
	I-410959		Spark Plugs,Air Filter - Unit	R	8/30/2017	30.21	027622	
	I-411112		Bulb - Unit 23	R	8/30/2017	2.86	027622	
	I-411268		Freon - Unit 55	R	8/30/2017	45.93	027622	
	I-411331		Bulbs - UT	R	8/30/2017	1.60	027622	
	I-411628		Bulb - UT	R	8/30/2017	4.59	027622	
	I-412319		Brake Light & Tune - Unit 8	R	8/30/2017	7.02	027622	82.21
00912			OJAI BUSINESS CENTER, INC					
	I-12476		Shipping & Stamps	R	8/30/2017	41.12	027623	
	I-12476A		Copies & Shipping-Cons,Lab,EM	R	8/30/2017	1,166.77	027623	1,207.89
00165			OJAI LUMBER CO, INC					
	I-1708-836399		Plywood - PL	R	8/30/2017	145.23	027624	
	I-1708-836420		Plywood - PL	R	8/30/2017	84.01	027624	
	I-1708-836587		Fish Dock Wood Repair - LCRA	R	8/30/2017	243.32	027624	
	I-1708-839401		Blade,Plywood - TP	R	8/30/2017	56.83	027624	529.39
00884			OJAI TERMITE & PEST CONTROL, I					
	I-174402		Yellow Jacket Treatment-Maint	R	8/30/2017	225.00	027625	225.00

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00168	I-300015864							
	OJAI VALLEY NEWS Conservation Ad 8/18	R	8/30/2017	55.00		027626		55.00
02917	I-32042							
	Ojai Valley Organics Green Waste Pickup - Maint	R	8/30/2017	18.00		027627		18.00
00383	I-151577							
	ON DUTY UNIFORMS & EQUIPMENT Ranger Equipment - LCRA	R	8/30/2017	298.90		027628		298.90
00178	I-CTCS577727							
	PARADISE CHEVROLET Side Mirror Replace - Unit 15	R	8/30/2017	345.35		027629		345.35
00188	I-082217							
	PETTY CASH Replenish Safe - LCRA	R	8/30/2017	20.00		027630		20.00
02833	I-78498749							
	Praxair, Inc Liquid Oxygen - TP	R	8/30/2017	2,350.80		027631		
	I-78519600 Liquid Oxygen - TP	R	8/30/2017	2,227.50		027631		
	I-78562989 Liquid Oxygen - TP	R	8/30/2017	1,837.80		027631		
	I-78675879 Liquid Oxygen - TP	R	8/30/2017	1,795.95		027631		8,212.05
02337	I-24251226							
	Premiere Global Services, Inc. Conference Call - Cons	R	8/30/2017	14.04		027632		14.04
10042	I-8288							
	PSR ENVIRONMENTAL SERVICE, INC Gas Tank Inspection - DO	R	8/30/2017	220.00		027633		
	I-8289 Gas Tank Inspection - LCRA	R	8/30/2017	220.00		027633		440.00
00313	I-21352							
	ROCK LONG'S AUTOMOTIVE Oil Change & Filter - Unit 53	R	8/30/2017	104.88		027634		
	I-21383 Filters, Brakes - Unit 47	R	8/30/2017	177.57		027634		
	I-21385 Filters & Fluids - unit 41	R	8/30/2017	87.85		027634		
	I-21400 Interstate Battery - Unit 41	R	8/30/2017	23.75		027634		
	I-21518 Oil & Filters - Unit 51	R	8/30/2017	146.76		027634		540.81
01107	I-S115974							
	SAWYER PETROLEUM Oil for Pumps - TP	R	8/30/2017	189.24		027635		189.24
02756	I-0947429-IN							
	SC Fuels Gas - LCRA	R	8/30/2017	1,809.96		027636		
	I-0951501-IN Gas & Diesel - Main Yard	R	8/30/2017	3,754.34		027636		5,564.30
03246	I-555307							
	Robin Serritslev Camping Cancellation	R	8/30/2017	60.00		027637		
	I-555307a Camping Cancellation Correctio	R	8/30/2017	61.00		027637		121.00

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01944	Luke Soholt							
I-082417	Reimburse Co. Possessory Taxes	R	8/30/2017	383.71		027638		383.71
00215	SOUTHERN CALIFORNIA EDISON							
I-082917	Acct#2312811532	R	8/30/2017	271.70		027639		
I-082917a	Acct#2210507034	R	8/30/2017	13,275.61		027639		13,547.31
00621	Southern California Permanente							
I-6115080961	Claim#1102WC170500002	R	8/30/2017	159.31		027640		159.31
03224	Spiniello Companies							
I-081417	Meter Replacement Ojai Sys.	R	8/30/2017	97,911.85		027641		97,911.85
02202	Stanley Pest Control							
I-961281	Monthly Pest Control - WP	R	8/30/2017	170.00		027642		170.00
03012	Staples Construction Company I							
I-117432.05	DO Office Remodel - 8/17	R	8/30/2017	46,683.71		027643		46,683.71
02703	Sunbelt Rentals							
I-71140352-0001	Excavator Rental - PL	R	8/30/2017	1,178.96		027644		1,178.96
02057	Swank Motion Pictures, Inc.							
I-RG2382100	Movie Rental "Back to the Fut"	R	8/30/2017	413.00		027645		413.00
02643	Take Care by WageWorks							
I-6165976	Reimburse Med/Dep Care	R	8/30/2017	76.67		027646		76.67
02840	Techstone Inc.							
I-11992	Concrete - LCRA	R	8/30/2017	88.97		027647		88.97
02527	Traffic Technologies LLC							
I-25187	Signs for GS Sites	R	8/30/2017	418.08		027648		
I-25194	Warehouse Signs	R	8/30/2017	98.11		027648		516.19
01662	TYLER TECHNOLOGIES, INC.							
I-025-197456	Time Clock Interface - LCRA	R	8/30/2017	25.00		027649		25.00
02888	UGSI Chemical Feed, Inc.							
I-SLS/30139366	Poly Blend Parts - TP	R	8/30/2017	1,299.93		027650		1,299.93
00185	Univar USA Inc							
I-LA556754	Bulk Chemicals - WP	R	8/30/2017	1,129.65		027651		
I-LA565848	Bulk Chemicals - WP	R	8/30/2017	1,861.19		027651		
I-LA569842	Bulk Chemicals - WP	R	8/30/2017	2,372.12		027651		5,362.96

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02760	I-XS11850							
	Los Angeles Truck Centers LLC AC Repair - Unit 88	R	8/30/2017	767.79		027652		767.79
01232	I-17-16196							
	VENTURA COUNTY SHERIFF'S OFFIC Police Services - LCRA	R	8/30/2017	5,531.48		027653		5,531.48
00254	I-42668							
	VENTURA LOCKSMITHS Re-key Perimeter Locks	R	8/30/2017	724.08		027654		
	I-B16115							
	Pad Lock Re Keys	R	8/30/2017	173.88		027654		
	I-B17305							
	Equipment & Gate Keys	R	8/30/2017	79.20		027654		
	I-B17318							
	Transponder Key - LCRA	R	8/30/2017	183.18		027654		1,160.34
01396	I-71534866							
	VULCAN CONSTRUCTION MATERIALS Cold Mix Asphalt - PL	R	8/30/2017	517.80		027655		517.80
00663	I-76779772							
	WAXIE SANITARY SUPPLY Towel Return, CM 76771778	R	8/30/2017	0.87		027656		
	I-76852725							
	Broom Handles - LCRA	R	8/30/2017	2.00		027656		2.87
00271	I-S84367							
	WEST COAST AIR CONDITIONING AC Services - WP	R	8/30/2017	204.60		027657		
	I-S84768							
	Service Call for AC - LCRA	R	8/30/2017	244.00		027657		448.60
02668	I-V13385							
	WESTERN PACIFIC CRANE & EQUIPM Inspection Log - Unit 87	R	8/30/2017	19.27		027658		
	I-V13424							
	Owners Manual - Unit 87	R	8/30/2017	262.90		027658		282.17
00403	I-457516-00							
	WESTERN WATER WORKS SUPPLY CO. Meter Boxes/Lids - UT	R	8/30/2017	6,723.87		027659		6,723.87
00330	I-10007459151							
	WHITE CAP CONSTRUCTION SUPPLY Concrete Cutting Blades - PL	R	8/30/2017	245.25		027660		
	I-50006654072							
	Master Seal - Whs	R	8/30/2017	329.67		027660		574.92
00274	I-Aug 17							
	JAMES WORD Reimburse Mileage	R	8/30/2017	51.84		027661		51.84
01564	I-GCS201708281251							
	CALIFORNIA STATE DISBURSEMENT Payroll Deduction D381857	R	8/30/2017	65.19		027662		65.19
00124	I-CUI201708281251							
	ICMA RETIREMENT TRUST - 457 457 CATCH UP	R	8/30/2017	461.54		027663		
	I-DCI201708281251							
	DEFERRED COMP FLAT	R	8/30/2017	2,109.62		027663		
	I-DI%201708281251							
	DEFERRED COMP PERCENT	R	8/30/2017	89.81		027663		2,660.97

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01960	Moringa Community							
I-MOR201708281251	PAYROLL CONTRIBUTIONS	R	8/30/2017	16.75		027664		16.75
00985	NATIONWIDE RETIREMENT SOLUTION							
I-DCN201708281251	DEFERRED COMP FLAT	R	8/30/2017	4,734.81		027665		
I-DN%201708281251	DEFERRED COMP PERCENT	R	8/30/2017	342.14		027665		5,076.95
00180	S.E.I.U. - LOCAL 721							
I-COP201708281251	SEIU 721 COPE	R	8/30/2017	42.00		027666		
I-UND201708281251	UNION DUES	R	8/30/2017	775.00		027666		817.00
00230	UNITED WAY							
I-UWY201708281251	PAYROLL CONTRIBUTIONS	R	8/30/2017	60.00		027667		60.00
1	KILLINGSWORTH, CHARL							
I-000201708171248	TS REFUND	R	8/30/2017	55.00		027668		55.00
1	SAUNDERS, DENNIS R							
I-000201708171247	R TS REFUND	R	8/30/2017	84.00		027669		84.00
03003	Stephen Taylor							
I-090117	Reimburse Workers Comp	R	8/31/2017	338.52		027670		338.52
03254	Zuling B. Castro Alvarado							
I-571097	Extra Vehicle Refund	R	9/06/2017	140.00		027671		140.00
03044	Amazon Capital Services							
I-1JHQ-7XCH-6NJ3	Otterbox Cover - TP	R	9/06/2017	38.99		027672		38.99
00029	AMERICAN TOWER CORP							
I-2494038	Tower Rent-Red Mtn.Rincon Peak	R	9/06/2017	1,927.53		027673		1,927.53
00014	AQUA-FLO SUPPLY							
I-SI1083456	PVC Fittings - TP	R	9/06/2017	43.36		027674		
I-SI1090396	PVC Fittings - UT	R	9/06/2017	50.24		027674		
I-SI1091686	Bushings - TP	R	9/06/2017	7.21		027674		
I-SI1092376	Full Face Gaskets - EM	R	9/06/2017	63.25		027674		
I-SI1092377	Strainer - EM	R	9/06/2017	74.52		027674		
I-SI1092403	PVC Fittings - EM	R	9/06/2017	43.26		027674		281.84
00840	AQUA-METRIC SALES COMPANY							
I-0066609-IN	Gaskets,Screens - UT	R	9/06/2017	446.73		027675		446.73

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03125	Dorothy Arnal							
I-558920	Camping Cancellation	R	9/06/2017	30.00		027676		30.00
02179	Art Street Interactive							
I-1220	Res.Sys.Web Hosting/Maint	R	9/06/2017	542.15		027677		542.15
01666	AT & T							
I-000010148035	Acct#9391062398	R	9/06/2017	215.84		027678		215.84
00021	AWA OF VENTURA COUNTY							
I-090117	Symposium Sponership	R	9/06/2017	2,500.00		027679		2,500.00
00030	B&R TOOL AND SUPPLY CO							
I-1900902436	Die Set, Wrench - EM	R	9/06/2017	175.91		027680		
I-1900902541	Socket Impact Hex Bit - EM	R	9/06/2017	12.46		027680		
I-1900902542	Socket Impant Hex Bits - TP	R	9/06/2017	46.07		027680		234.44
03253	Kathleen Foley Brady							
I-557013	Camping Cancellation	R	9/06/2017	105.00		027681		105.00
03059	Brenntag Pacific Inc.							
I-BPI761672	Chlorine for Ojai Sys. - TP	R	9/06/2017	830.95		027682		830.95
09716	CA-NV SECTION AWWA							
I-090517	Renew Cert#00480 WQ Sup.	R	9/06/2017	55.00		027683		55.00
00044	CALIFORNIA ELECTRIC SUPPLY							
I-8997-525379	Remote Mount Keypad - EM	R	9/06/2017	880.18		027684		880.18
03255	Vanessa Claudio							
I-575836	Camping Cancellation	R	9/06/2017	85.00		027685		85.00
01843	COASTAL COPY							
I-746891	Copier Usage - Whs	R	9/06/2017	39.68		027686		39.68
00059	COASTAL PIPCO							
I-S1970377.001	Fittings & Bushings - TP	R	9/06/2017	42.49		027687		42.49
00061	COMPUWAVE							
I-SB02087655	UPS Units for Ojai Sys. - EM	R	9/06/2017	4,221.36		027688		4,221.36
00926	Core & Main LP							
I-H6336644	Gate Valve, Meter Box - Whs	R	9/06/2017	6,986.43		027689		6,986.43

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02716	Crop Production Services							
I-34283598	Herbicide - Maint	R	9/06/2017	274.88		027690		274.88
00296	CUMMINS PACIFIC, LLC							
I-006-2275	Load Bank Test - TP	R	9/06/2017	583.36		027691		583.36
03256	Mark Curran							
I-562833	Camping Cancellation	R	9/06/2017	205.00		027692		205.00
00081	DELTA LIQUID ENERGY							
I-235742	LCRA Propane Tank Repair	R	9/06/2017	581.74		027693		
I-235743	LCRa Propane Tank Repair	R	9/06/2017	607.02		027693		1,188.76
01498	Department of Industrial Relat							
I-P1482787SN	WP State Inspection	R	9/06/2017	438.75		027694		438.75
03257	Noleen Duganne							
I-573262	Camping Cancellation	R	9/06/2017	71.00		027695		71.00
00095	FAMCON PIPE & SUPPLY							
I-195667	Service Line Repair Parts - PL	R	9/06/2017	3,233.05		027696		
I-195906	Bushings - PL	R	9/06/2017	193.05		027696		
I-195914	Service Line Repair Parts - PL	R	9/06/2017	12,194.33		027696		
I-196192	Meter Gaskets - UT	R	9/06/2017	64.35		027696		15,684.78
00099	FGL ENVIRONMENTAL							
I-708922A	Lake Nutrient Monitoring 7/19	R	9/06/2017	1,472.00		027697		
I-709512A	Nitrate Monitoring 8/8/17	R	9/06/2017	43.00		027697		
I-709610A	Nitrate Monitoring 8/9/17	R	9/06/2017	43.00		027697		
I-709612A	OWS Copper & Lead 8/9/17	R	9/06/2017	30.00		027697		
I-709614A	EC & Alkalinity 8/9/17	R	9/06/2017	43.00		027697		
I-709663A	Copper & Lead 8/10/17	R	9/06/2017	30.00		027697		
I-709734A	OWS Copper & Lead 8/11/17	R	9/06/2017	60.00		027697		1,721.00
00101	FISHER SCIENTIFIC							
I-0677481	EC Standard - Lab	R	9/06/2017	198.11		027698		198.11
00969	FLW, INC.							
I-1161007	Temperature Switch - EM	R	9/06/2017	522.69		027699		522.69
00104	FRED'S TIRE MAN							
I-102329	Oilf Filter & Change - Unit 42	R	9/06/2017	100.02		027700		100.02

VENDOR SET: 01 Casitas Municipal Water D
BANK: AP ACCOUNTS PAYABLE
DATE RANGE: 8/18/2017 THRU 9/06/2017

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
03258	Laurie Freres							
I-574887	Camping Cancellation	R	9/06/2017	71.00		027701		71.00
01280	FRY'S ELECTRONICS, INC.							
I-6860082	Keyboard,Fiber Optic-EM/IT	R	9/06/2017	68.90		027702		
I-6860082a	Keyboard,Fiber Optic - EM/IT	R	9/06/2017	157.29		027702		226.19
03259	Erick Garcia							
I-559393	Camping Cancellation	R	9/06/2017	40.00		027703		40.00
03260	Kimberly Garcia							
I-562267	Camping Cancellation	R	9/06/2017	336.00		027704		336.00
03270	Rodrgio Gonzalez							
I-565665	Camping Cancellation	R	9/06/2017	100.00		027705		100.00
02158	Google, Inc.							
I-3367547736	Google Apps 8/17	R	9/06/2017	870.00		027706		870.00
02488	Graybar Electric							
I-993251245	Multi Range Voltage Detect.-EM	R	9/06/2017	1,092.52		027707		1,092.52
02217	Greg Rents							
I-45589	Covers,Cement, Cart - PL	R	9/06/2017	79.35		027708		
I-45691	Cement, Cover, Cart - PL	R	9/06/2017	50.94		027708		130.29
01838	WILLIS HAND							
I-082217	Safety Boots	R	9/06/2017	160.88		027709		160.88
03261	Patricia Hart							
I-567727	Camping Cancellation	R	9/06/2017	180.00		027710		180.00
00596	HOME DEPOT							
I-3811611	Ice Maker - TP	R	9/06/2017	666.76		027711		666.76
03262	Susan Huerta							
I-557580	Camping Cancellation	R	9/06/2017	47.00		027712		47.00
03263	Michelle Huff							
I-576002	Camping Cancellation	R	9/06/2017	130.00		027713		130.00
00127	INDUSTRIAL BOLT & SUPPLY							
I-180721-1	Cap Screw - TP	R	9/06/2017	5.39		027714		
I-181125-1	Socket Heads - TP	R	9/06/2017	47.19		027714		52.58

VENDOR SET: 01 Casitas Municipal Water D
 BANK: AP ACCOUNTS PAYABLE
 DATE RANGE: 8/18/2017 THRU 9/06/2017

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
02344	Janitek Cleaning Solutions							
I-28360A	Additional Janitorial Serv-DO	R	9/06/2017	42.60		027715		42.60
00131	JCI JONES CHEMICALS, INC							
I-732701	Chlorine - TP, CM 732720	R	9/06/2017	899.94		027716		
I-732702	Chlorine - TP, CM 732719	R	9/06/2017	1,650.00		027716		2,549.94
03179	Kooltronic, Inc.							
I-91517	AC Unit - EM	R	9/06/2017	5,464.96		027717		5,464.96
03264	Jack Kujawa							
I-573701	Camping Cancellation	R	9/06/2017	168.00		027718		168.00
02658	Liebert Cassidy Whitmore							
I-052617	Employment Relation Consortium	R	9/06/2017	4,080.00		027719		
I-1420129	Matter#18200005	R	9/06/2017	390.28		027719		4,470.28
00539	LOS ANGELES TIMES							
I-082517	Subscription 10/7/17-3/30/18	R	9/06/2017	311.97		027720		311.97
02033	Abbot Industrial Supplies							
I-47383	Liner Trash Bags - LCRA	R	9/06/2017	1,898.33		027721		1,898.33
02838	Mainstreet Architects & Planne							
I-1351	DO Remodel - Const.Admin	R	9/06/2017	1,765.00		027723		1,765.00
03265	Christina Mata							
I-541718	Reduction in Stay	R	9/06/2017	38.00		027724		38.00
00151	MEINERS OAKS ACE HARDWARE							
I-788303	Wire,Plugs,Cords - WP	R	9/06/2017	92.19		027725		
I-788487	Glue,Hanger,Bags,Sealant-TP	R	9/06/2017	77.77		027725		
I-788965	Gasser - Maint	R	9/06/2017	11.69		027725		
I-789120	Steel Box - LCRA	R	9/06/2017	2.72		027725		
I-789405	Knee Pads - Eng	R	9/06/2017	5.46		027725		
I-789432	Gasser, Toggle Bolts - Maint	R	9/06/2017	22.81		027725		
I-789567	Screws - Maint	R	9/06/2017	13.40		027725		
I-789611	Corner Braces - Maint	R	9/06/2017	13.17		027725		
I-789736	Mouse Traps - Maint	R	9/06/2017	26.90		027725		
I-789949	Hose, Sprayer, Sprinkler - TP	R	9/06/2017	36.27		027725		
I-790463	Batteries - LCRA	R	9/06/2017	15.60		027725		317.98
03266	Janet Miller							
I-573557	Camping Cancellation	R	9/06/2017	147.00		027726		147.00

VENDOR SET: 01 Casitas Municipal Water D
 BANK: AP ACCOUNTS PAYABLE
 DATE RANGE: 8/18/2017 THRU 9/06/2017

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
03267	Anthony Montes I-573338 Camping Cancellation	R	9/06/2017	235.00		027727		235.00
03268	Junior Alexander Zometa Moreno I-643408 Camping Cancellation	R	9/06/2017	126.00		027728		126.00
00163	OFFICE DEPOT I-950300729001 Thermal Paper, Coin Rolls -LCRA I-953636621001 Clipboards - WP	R R	9/06/2017 9/06/2017	241.32 55.99		027729 027729		297.31
00160	OILFIELD ELECTRIC CO, INC I-10260 Ave #1 Electrical Upgrade I-10261 Ave #1 Electrical Upgrade I-2023705 15HP Pump Rebuild - WP	R R R	9/06/2017 9/06/2017 9/06/2017	23,370.00 19,550.75 5,204.60		027730 027730 027730		48,125.35
00884	OJAI TERMITE & PEST CONTROL, I I-175382 Pest Spraying - DO Office	R	9/06/2017	143.00		027731		143.00
02917	Ojai Valley Organics I-32105 Small Waste & Wood Pickup I-32108 Wood Pickup	R R	9/06/2017 9/06/2017	38.00 28.00		027732 027732		66.00
00184	POWERSTRIDE BATTERY CO, INC I-V595622 Battery - Unit 113	R	9/06/2017	124.46		027733		124.46
02833	Praxair, Inc I-78708435 Liquid Oxygen - TP I-78730063 Liquid Oxygen - TP I-78840532 Liquid Oxygen - TP I-78841391 Liquid Oxygen - TP	R R R R	9/06/2017 9/06/2017 9/06/2017 9/06/2017	1,782.00 1,901.70 1,953.90 2,227.05		027734 027734 027734 027734		7,864.65
03269	Humberto Robles I-573340 Camping Cancellation	R	9/06/2017	235.00		027735		235.00
03271	Laura Roughley I-644175 Day Use Pass Refund	R	9/06/2017	10.00		027736		10.00
01109	SALVADOR LOERA TRANSPORTATION I-15518 Sand & Base - PL I-15652 Sand & Base - PL I-15653 Sand & Base - PL	R R R	9/06/2017 9/06/2017 9/06/2017	1,000.00 1,000.00 520.00		027737 027737 027737		2,520.00
03272	Arcelia Sassoo I-574576 Camping Cancellation	R	9/06/2017	78.00		027738		78.00

VENDOR SET: 01 Casitas Municipal Water D
 BANK: AP ACCOUNTS PAYABLE
 DATE RANGE: 8/18/2017 THRU 9/06/2017

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00725	SMART & FINAL I-40312 Coffee & Vinegar - TP	R	9/06/2017	47.46		027739		47.46
00215	SOUTHERN CALIFORNIA EDISON I-083017 Acct#2312811532	R	9/06/2017	96.74		027740		
	I-083017a Acct#2210503702	R	9/06/2017	11,661.03		027740		
	I-090117 aCCT#2210502480	R	9/06/2017	196,451.43		027740		
	I-090117a Acct#2210505426	R	9/06/2017	1,812.50		027740		
	I-090117b Acct#2237789169	R	9/06/2017	30.30		027740		
	I-090217 Acct#2269631768	R	9/06/2017	23.12		027740		210,075.12
00048	STATE OF CALIFORNIA I-090117 State Water Plan Payment	R	9/06/2017	869,328.00		027741		869,328.00
02057	Swank Motion Pictures, Inc. I-RG2390009 Movie Rental " The Goonies"-WP	R	9/06/2017	413.00		027742		413.00
02643	Take Care by WageWorks I-6179462 Reimburse Medical/Dep Care	R	9/06/2017	192.30		027743		192.30
02527	Traffic Technologies LLC I-25382 Steel Plate Traffic Signs - PL	R	9/06/2017	387.90		027744		387.90
00364	TRI-COUNTY OFFICE FURNITURE I-128672 Office Furniture - IT	R	9/06/2017	1,867.02		027745		
	I-128673 Office Furniture - Cons	R	9/06/2017	458.48		027745		
	I-128674 Office Furniture - Cons.	R	9/06/2017	18,144.90		027745		20,470.40
01662	TYLER TECHNOLOGIES, INC. I-025-198376 Incode Software Maint.	R	9/06/2017	125.00		027746		
	I-025-198883 Incode Software Maint.	R	9/06/2017	3,281.85		027746		
	I-025-199524 Monthly UB Online Fees	R	9/06/2017	153.00		027746		3,559.85
01268	ULINE I-90002564 Vault Shelving - Admin	R	9/06/2017	1,497.40		027747		1,497.40
00225	UNDERGROUND SERVICE ALERT I-820170094 139 New Ticket Charges	R	9/06/2017	239.35		027748		239.35
00234	UNITED WATER CONSERVATION I-083117 OAP Refund 2015 & 2016	R	9/06/2017	246.00		027749		246.00
00246	VENTURA COUNTY AIR POLLUTION I-1038028 Air Permit Renewal	R	9/06/2017	590.00		027750		590.00

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00257	VENTURA RIVER WATER DISTRICT							
I-083117a	Acct#05-37500A	R	9/06/2017	333.11		027751		
I-083117b	Acct#03-50100A	R	9/06/2017	10.00		027751		
I-3895	GSA Legal Services	R	9/06/2017	6,839.40		027751		
I-3903	GSA Legal Services	R	9/06/2017	4,157.25		027751		11,339.76
00245	CITY OF VENTURA							
I-082517	State Water Interconnect Study	R	9/06/2017	25,989.44		027752		25,989.44
00949	CITY OF VENTURA							
I-083117	OAP Refund 2015 & 2016	R	9/06/2017	492.00		027753		492.00
00663	WAXIE SANITARY SUPPLY							
I-76855943	Janitorial Supplies - DO	R	9/06/2017	99.21		027754		
I-76862288	Janitorial Supplies - LCRA	R	9/06/2017	2,944.00		027754		3,043.21
02676	West Coast Power Solutions							
I-J1894	HVAC Programming - DO	R	9/06/2017	2,504.32		027755		2,504.32
00403	WESTERN WATER WORKS SUPPLY CO.							
I-457516-02	Meter Boxes & Lids - UT	R	9/06/2017	4,622.22		027756		4,622.22
00330	WHITE CAP CONSTRUCTION SUPPLY							
I-10007506074	Hard Hat - PL	R	9/06/2017	49.10		027757		49.10
03273	Ralph Ybarra							
I-562174	Camping Cancellation	R	9/06/2017	193.00		027758		193.00
00489	STEVE WICKSTRUM							
I-Aug 17	Reimburse Expense 8/17	R	9/06/2017	227.99		027759		
I-July 17	Reimburse Mileage 7/17	R	9/06/2017	71.15		027759		299.14
1	YOUNG, KYLE							
I-000201708311252	UB REFUND	R	9/06/2017	34.45		027760		34.45
1	COVARRUBIAS, ANTOINE							
I-000201708311253	UB REFUND	R	9/06/2017	11.77		027761		11.77

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT		
* * T O T A L S * *										
		NO		INVOICE AMOUNT				CHECK AMOUNT		
	REGULAR CHECKS:	262		1,924,894.31		0.00		1,924,894.31		
	HAND CHECKS:	0		0.00		0.00		0.00		
	DRAFTS:	3		116,401.73		0.00		116,401.73		
	EFT:	0		0.00		0.00		0.00		
	NON CHECKS:	0		0.00		0.00		0.00		
	VOID CHECKS:	0	VOID DEBITS	0.00						
			VOID CREDITS	0.00						
				0.00		0.00				
TOTAL ERRORS: 0										
	VENDOR SET: 01	BANK: AP	TOTALS:	265	INVOICE AMOUNT	2,041,296.04	DISCOUNTS	0.00	CHECK AMOUNT	2,041,296.04
	BANK: AP	TOTALS:		265	2,041,296.04		0.00		2,041,296.04	
	REPORT TOTALS:			265	2,041,296.04		0.00		2,041,296.04	

Check #27562 is a reissue.

(69,625.70)
\$1,971,670.34

**Casitas Municipal Water District
 Reimbursement Disclosure Report (1)
 Fiscal Year 2017/18
 July 1, 2017-June 30, 2018**

<u>Date paid</u>	<u>Board of Director/Employee</u>	<u>Description</u>	<u>Amount Paid</u>
7/5/2017	Scott MacDonald	Safety Boot Purchase	145.46
7/5/2017	Michael Moler	Reimburse Mileage	136.43
7/12/2017	Gerardo Herrera	Safety Boot Purchase	170.00
7/12/2017	Scott Lewis	Lodging 6/24/17-6/27/17	320.94
7/12/2017	Scott Lewis	Mileage Reimbursement	292.11
7/19/2017	Vincent Godinez	Safety Boot Purchase	156.23
7/27/2017	Greg Romey	Airfare for ASSE Safety Management Training	302.95
7/27/2017	Robert Vasquez	Meal Reimbursement for O&M Staff-Mutual Well Leak	143.07
8/2/2017	Bill Hicks	Mileage Reimbursement	144.45
8/2/2017	Cameron Tindle	Safety Boot Purchase	117.45
8/9/2017	Lindsay Cao	CWEA Membership Renewal	180.00
8/30/2017	Henry Islas	Safety Boot Purchase	170.00
8/30/2017	Luke Soholt	Reimburse County Possessory Taxes	383.71
9/6/2017	Willis Hand	Safety Boot Purchase	160.88

Note:

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

**CASITAS MUNICIPAL WATER DISTRICT
MEMORANDUM**

TO: STEVE WICKSTRUM, GENERAL MANAGER
FROM: NEIL COLE, PRINCIPAL CIVIL ENGINEER
SUBJECT: ANNUAL WATER ALLOCATION REPORT
DATE: AUGUST 29, 2017

RECOMMENDATION:

It is recommended that the Board of Directors accept the Annual Water Allocation Report and continue with the allocation policy adopted June 8, 2016.

BACKGROUND, DISCUSSION AND REPORT:

On June 8, 2016, the Board adopted a policy for issuing new and enlarged water allocations. A total of ten acre feet of water allocations are allowed in a given fiscal year (FY) under the adopted policy. These allocations could be issued as residential, commercial, industrial or agricultural allocations. On or near July first of each year, staff presents a report on the number and size of the water allocations sold during the previous fiscal year.

4.65 acre feet of water allocations were issued in FY 2016-17. The 4.65 acre feet of water allocation issued during FY 2016-17 includes 1.13 acre feet of water for commercial purposes and 3.52 acre feet for residential purposes. A total of 72 acre feet of water allocation have been issued since the priority listing was re-established in 2003.

Staff recommends that the Board continues with the established policy and allows up to ten acre feet of water allocation to be sold during FY 2017-18. Should the Board decide that a "hold" or "moratorium" in new and expanded water allocations is warranted, it is recommended that the Board direct staff to revise the current policy and to schedule a public hearing.

In summary, the annual requests for new or expanded water allocations has been less than 0.1 percentage of the safe yield of Lake Casitas. The safe yield of Lake Casitas has been exceeded only 8 years of the 56 years of lake operation. The last time the safe yield was exceeded was in 2007. In most years, the water use has been significantly below the safe yield. Casitas staff believes the limited issuance of 10 acre feet per year water allocation will be sufficient to handle the limited water allocation requests within Casitas' service area and have a near negligible impact on the Lake Casitas water supply.

**CASITAS MUNICIPAL WATER DISTRICT
INTEROFFICE MEMORANDUM**

TO: STEVE WICKSTRUM, GENERAL MANAGER
FROM: NEIL COLE, PRINCIPAL CIVIL ENGINEER
SUBJECT: ACCEPT THE HYDROGRAPHIC SURVEY REPORT OF LAKE CASITAS
DATE: AUGUST 28, 2017

RECOMMENDATION:

It is recommended that the Board of Directors accept the hydrographic survey report and ratings table prepared by Tetra Tech and direct staff to use the accepted ratings table going forward.

BACKGROUND AND DISCUSSION:

The board authorized a new hydrographic (bathymetric) survey of the lake at the December 14, 2016 board meeting. The report is now final and a new ratings table based on the new survey has been completed. The ratings table is used by staff to estimate the amount of water in the lake at any given water depth.

The new survey shows the lake capacity at spill of 237,761 acre feet. The original USBR survey showed a spill capacity of 254,000 acre feet. At the water elevation on the morning of August 28, 2017 (494.94 feet), the new rating table has a water volume of 90,030 acre feet and the original rating table has 101,294 acre feet, a difference of 11 percent.

On April 27, 2016, the Board declared a Stage 3 water emergency. Based on the new survey and the UWMP, Casitas is still in a Stage 3 water emergency with 38% capacity remaining. If the new lake volume is accepted, Table 6-2 Stage Conditions of the UWMP would be

Stage	Stage Title	Lake Casitas Storage (%)	Old Lake Casitas Storage Action Level (AF) (Old)	New Lake Casitas Storage Action Level (AF)
1	Water Conservation	100% - 50%	254,000 - 127,000	237,761 - 118,881
2	Water Shortage Warning	50% - 40%	127,000 - 100,000	118,881 - 95,104
3	Water Shortage Eminent	40% - 30%	100,000 - 75,000	95,104 - 71,328
4	Severe Water Shortage	30% - 25%	75,000 - 65,000	71,328 - 59,440
5	Critical Water Shortage	25% - 0%	65,000 - 3000	59,440 - 957

There are two primary explanations for the difference between the 1959 USBR total volume and the total volume from the recent hydrographic survey:

- Sedimentation
- Differences in methodologies and the accuracy of those methodologies

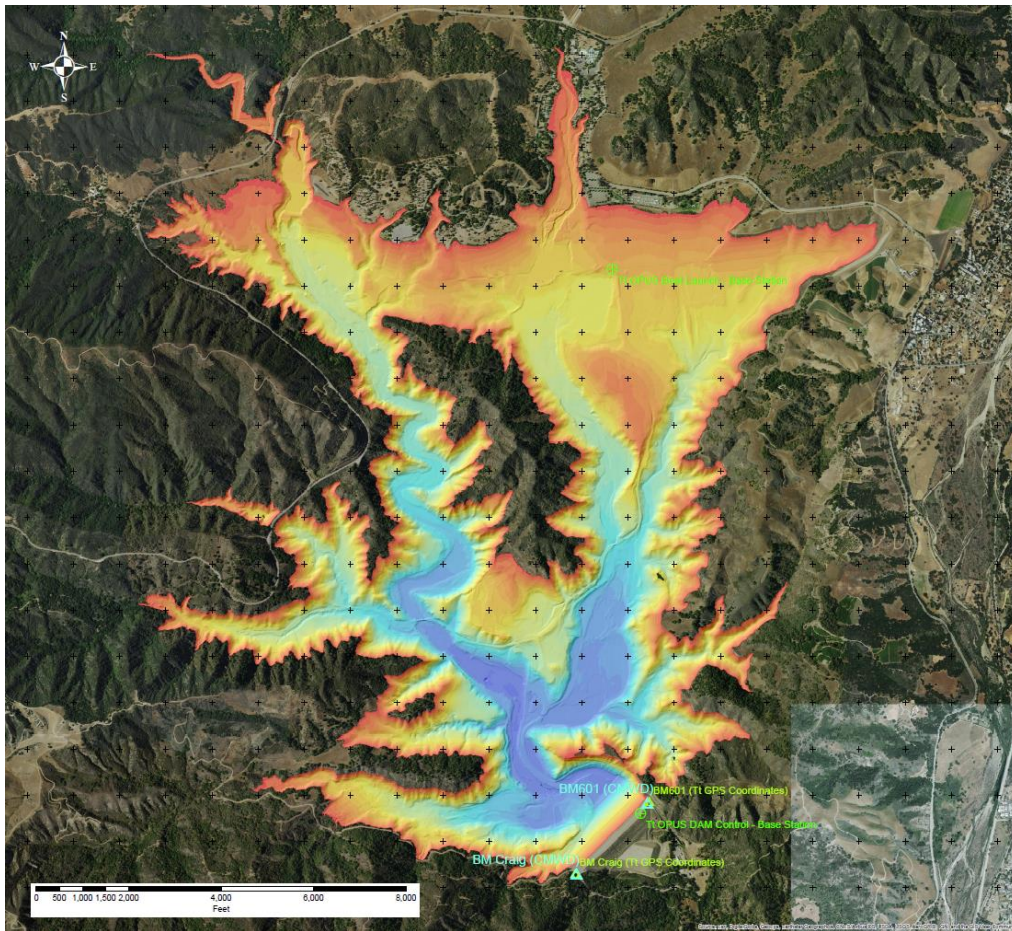
At spill conditions, the difference in volume is 16,239 acre feet of water. For this difference to be caused by sedimentation, the entire lake surface would have to be covered with approximately 6 feet of sediment. While the physical evidence supports some sedimentation in the higher portions of Santa Ana, Coyote and Ayers Creeks, the physical evidence shows very little sedimentation in the vast majority of the exposed lake area.

The exact methodology for the original USBR survey is not known. The survey was likely conducted with field crews while the dam was constructed and before the lake filled. Topographic maps would be created from this data and the topographic maps would be planimetered to calculate the surface area at various depths.

The current survey used LIDAR for the land portion of the survey and multi beam sonar for the water portion of the survey. The accuracy of the water portion of the new survey is considered to be within 0.3-0.4 feet near the surface and up to 1.5' off at the deepest depths. The dry land portion of the survey accuracy is considered to be within 0.4 feet or less.

Casitas Municipal Water District Lake Casitas Bathymetric & Aerial LiDAR Survey March 2016

Technical Memorandum



April 18, 2017

Prepared by:



19803 North Creek Parkway
Bothell, WA 98011
(425) 482-7600

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Acronyms and Abbreviations

CTD	conductivity, temperature, depth
GPS	Global Positioning System
IHO	International Hydrographic Organization
IMU	inertial measurement unit
MBE	multibeam echosounder
NAD83	North American Datum 1983
NAVD88	North American Vertical Datum 1988
NOAA	National Oceanic and Atmospheric Administration
QC	quality control
R/V	Research Vessel
RTK	real-time kinematic
Tetra Tech	Tetra Tech, Inc.

1.0 Overview

Tetra Tech, Inc. (Tetra Tech) conducted an aerial LiDAR survey and high-resolution multibeam echosounder (MBE) sonar survey to map the dry and underwater areas of the Lake Casitas lakebed for the Casitas Municipal Water District in Ventura County, California. The scope of work included a bathymetric survey where vessel access was possible and an aerial LiDAR survey to the level of the spillway (refer to Figure 1-1).

The aerial LiDAR data were collected on February 9, 2017 and the processed data provided as an elevation model of the lakebed from the water surface elevation at the time of collection to the elevation at the spillway. These data were subsequently merged with the bathymetry data to create a combined digital elevation model. A letter report describing the aerial LiDAR data collection and processing is provided in Appendix A.

The primary bathymetry survey equipment consisted of a MBE, motion sensor and RTK GPS. These systems were used to capture existing conditions below the water surface. Table 1-1 lists the personnel and their roles in the survey.

Table 1-1. Survey Team

Name	Project Role
Burr Bridge	Project Manager / QC Manager / Certified Hydrographer
Cory Graves	Field Lead / Hydrographer / GPS Technician / Data Processor
Louis Schwartz	USCG Licensed Captain

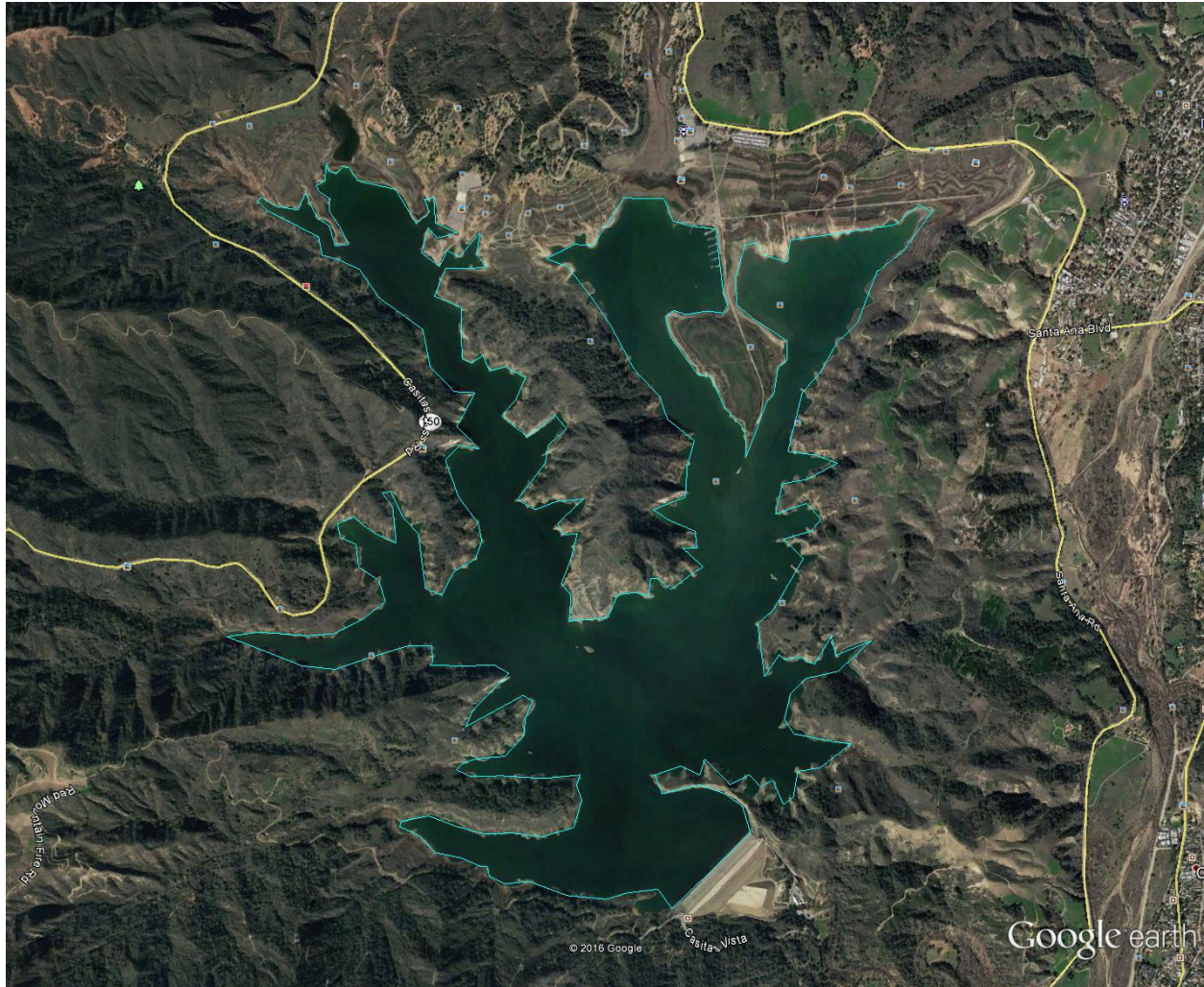


Figure 1-1. Project Survey Area

2.0 Bathymetry System Setup

Tetra Tech configured a local pontoon to acquire the delivered MBE dataset (refer to Figure 2-1).

The mapping equipment used is summarized in Table 2-1. Data collection and navigation software for the bathymetry survey was HYPACK® v. 2016a.

Table 2-1. Bathymetry Survey Equipment

Sensor Type	Manufacturer and Model
Multibeam Sonar	R2Sonic 2020
Motion Reference Unit (MRU)	Applanix POS/MV SurfMaster
Heading	Applanix POS/MV SurfMaster
Elevation	Applanix POS/MV SurfMaster / Leica 1230 RTK GPS
Position	Applanix POS/MV SurfMaster / Leica 1230 RTK GPS
Sound Speed Profilers	YSI Castaway CTD



Figure 2-1. Local survey vessel equipped MBE

2.1 Vessel Offsets

The Motion Reference Unit's (MRU) and inertial measurement unit (IMU) were used to define the origin and orientation of the X, Y, and Z axes of the vessel's local reference frame. Table 2-2 present the offsets, measured in feet, used for the HYPACK and HYSWEEP hardware setup. These measurements were also utilized in the CARIS Hydrographic Information Processing System v7.1 (HIPS) Vessel Configuration File (VCF) for multibeam data processing. Offsets were derived from total station measurements.

Table 2-2. Vessel Sensor Offsets (in feet)

Sensor	Across (Starboard Positive)	Along (Forward Positive)	Vertical (Down Positive)
R2 SONIC 2020	0.38	-0.21	1.65
Motion Sensor/Navigation (POS/SurfMaster)	0.00	0.00	0.00
GPS Tide (Leica RTK antenna)	0.38	-0.21	-4.25

2.2 Geodesy Settings

Horizontal (X, Y) positioning data for the project were collected in California Zone 5 State Plane Coordinate System, U.S. Survey Feet, North American Datum of 1983/2011 (NAD 83/11), U.S. Survey Feet. Table 2-3 presents the geodesy settings used for the survey effort.

Table 2-3. Survey Geodesy Settings

Parameter	Setting
Projection	State Plane
Zone	California Zone 5
Horizontal Datum	NAD-83/11
Vertical Datum	Collection - NAVD-88 Processing – relative to BM601
Distance Unit	US Survey Feet
Depth Unit	US Survey Feet

2.3 GPS Control and Validation

Vertical and horizontal positioning was achieved using high-accuracy Global Positioning System (GPS) systems with real-time kinematic (RTK) corrections. Two base station locations were set using the NGS Online Positioning User Service (OPUS). A GPS was set up and data collected for a period of approximately four hours at each of two sites, one on the dam and one near the boat launch. The collected data were submitted to the OPUS web site, which returned 3D positions for the locations and metrics for the accuracies of the fixes. The OPUS reports from NGS are provided in Appendix E.

These two locations, with highly accurate location information from OPUS, were used to set the base station for the bathymetry survey and to collect a set of GPS rover positions around the lake for use in registering and performing QC on the aerial LiDAR data collected previously with a different RTK GPS system. Table

2.4 provides the OPUS positions used for the base station and GPS QC in NAD83(2011) State Plane, California Zone 5, US Survey Feet, with elevations referenced to NAVD88 (Geoid 2012b).

Table 2-4. OPUS Derived Positions (NAD83 California State Plane, US Survey Feet)

Sensor	Easting	Northing	Elevation	RMS Error
OPUS Dam Control Point	6159272.284	1960611.653	590.291	0.043
OPUS Boat Launch Control Point	6158660.511	1972357.840	520.793	0.039

2.4 Vertical Datum Adjustment

The bathymetry and aerial LiDAR data were referenced to the reported elevation for the Bureau of Reclamation benchmark BM601. The data were collected using RTK GPS relative to North American Vertical Datum 1988 (NAVD88) based on National Geodetic Survey (NGS) Geoid 2012b, then a datum shift was applied to reference the data to the BM601 benchmark.

The datum separation between NAVD88 and the BM601 datum were determined by setting up the base station on the dam control point, then occupying the BM601 control monument and comparing the GPS NAVD88 elevation with that reported for the control monument. Table 2-5 shows the GPS measured elevation of BM601 and the elevation stamped on the control monument. Since the BM601 elevation is lower than the NAVD88 elevation, the 1.97 foot offset must be added to the GPS NAVD88 elevations to reference them to the BM601 relative vertical datum.

Table 2-5. Datum Adjustments (US Survey Feet)

Sensor	Easting	Northing	Elevation
BM601 GPS Measurements (NAVD88 vertical)	6159452.741	1960862.538	586.95
BM601 Documented	N/A	N/A	584.98
Difference			1.97

3.0 Survey Procedures

The survey was conducted to update the rate tables which provide reservoir capacity as a function of water surface elevation. The original table was generated by the Bureau of Reclamation at the time of dam construction and there are concerns that sedimentation since that time has significantly changed the capacity values. Due to the low level of the reservoir, a combination of aerial LiDAR to map the above water portions of the lakebed and MBE bathymetry for the below water mapping.

A MBE was used to map the reservoir and provide high-resolution bathymetric data.

The support sensors used to measure vessel attitude (roll, pitch, and heave), position, heading, and sound speed through the water column were selected to ensure that the associated accuracies were commensurate with the accuracy and resolution of the sonar.

RTK GPS was used for height (Z), as well as position (X and Y), to compensate for changes in water surface elevation, vessel squat and settlement, and varying draft caused by vessel loading. Use of RTK GPS for height is typically known as “RTK tides.” With RTK tides, changes in the elevation of the water surface are recorded and compensated for in real time and in post-processed sounding data.

3.1 Quality Control Procedures

A bar check and GPS waterline checks were conducted each survey day as a QC procedure to confirm the sonar’s ability to record accurate depth measurements and the accuracy of the vessel GPS water level measurements.

The bar check QC uses a reflective target at known depth below the water surface to verify the sonar depth measurements, including the application of sound speed and the operator input sonar head draft. This QC check verifies that the sonar system, as installed and configured, will provide accurate water surface relative depth measurements within defined tolerances.

The waterline QC compares water surface elevation measurements done using a RTK GPS rover and the vessel survey system. This verifies the accuracy of RTK GPS vertical measurements and offset values on the survey vessel. This QC check also documents any variation or error between shore and vessel GPS units and serves as an elevation baseline reference for the measurements taken throughout the survey.

The combination of the two QC tests provides validation of the sonar depth measurement accuracy relative to the survey vertical datum. Tables 3-2 and 3-3 present the results of these QC procedures.

Table 3-2. Bar Check QC (all values in feet)

Date	Time (UTC)	Bar Depth (feet)	Sonar Depth (feet)	Sonar Draft (feet)	Corrected Sonar Depth	Diff.	ABS(Diff.)
3/08/2017	19:07	25.60	24.37	-1.21	25.58	0.02	0.02
3/09/2017	15:42	25.80	24.20	-1.50	25.70	0.10	0.10
3/10/2017	15:03	25.82	24.39	-1.50	25.89	-0.07	0.07
3/13/2017	15:23	25.91	24.40	-1.50	25.90	0.01	0.01
3/14/2017	15:23	25.90	24.50	-1.50	26.00	-0.10	0.10
3/15/2017	16:19	25.90	24.50	-1.50	26.00	-0.10	0.10

Table 3-3. Water Level QC (all values in feet)

Date	Time (UTC)	Leica Rover Waterline Ht.	Boat Tidal Device	IMU Draft	Corr. Tide	Diff.	ABS(Diff.)
3/08/2017	18:58	501.408	503.740	2.257	501.483	-0.07	-0.075
3/09/2017	15:53	501.212	503.590	2.257	501.333	-0.12	-0.121
3/10/2017	15:03	501.408	503.580	2.257	501.323	0.09	0.085
3/13/2017	15:19	501.690	503.950	2.257	501.693	0.00	-0.003
3/14/2017	15:23	501.748	504.080	2.257	501.823	-0.07	-0.075
3/15/2017	16:19	501.378	503.710	2.257	501.453	-0.07	-0.075

3.2 Sound Speed Casts

Changes in sound speed through the water column affect the MBE's individual beams in distance calculated from the propagation times and position due to refraction effects. To compensate for these effects, data processing must model the sound path as a function of beam launch angle and time. To implement these calculations, sound speed profiles are recorded through the water column using conductivity, temperature, depth (CTD) sensors from which sound speeds versus depths are derived.

At least two sound speed casts of the water column were performed each survey day with the exception of March 15, a short survey day in a limited area, where only one cast was performed..

4.0 Data Product Generation

Bathymetry data processing was performed using CARIS HIPS. This software is used to reject invalid soundings, validate the data from the sonar and support sensors and to generate a bathymetry elevation model representing the best fit of the accepted soundings.

Following processing and QC of the bathymetry surface, the bathymetry and aerial LiDAR data were merged to create a combined digital elevation model. This process included some interpolation in areas where there were gaps in the bathymetry data in very shallow water, or in areas where the bathymetry and aerial data didn't overlap.

The combined digital elevation model was then processed using QPS Fledermaus to calculate the fill volume of the model at water surface elevations ranging from 471 feet elevation (BM601 vertical datum) to the spillway elevation measured with the LiDAR data.

5.0 Observed Environmental Conditions

Reported weather and environmental conditions on during the bathymetric survey period are referenced below in tabular form.

Lake conditions were calm and well suited for the bathymetric survey vessel and data collection methods. Sonar data were collected to the shallow limits of the vessel and were accessible. Abundant aquatic vegetation were observed during collection and data processing.

<u>Condition</u>	<u>Quantification</u>	<u>Units</u>	<u>Source</u>
Mean Temperature	58 - 66	° F	Weatherunderground.com
Wind	3-8 (gusts at N/A)	mph	Weatherunderground.com
Precipitation	0.00	inches	Weatherunderground.com
Sea State	0	Beaufort	Observed

Sources:

<https://www.wunderground.com/history/>

6.0 Deliverables

Project Deliverables, all of which are provided electronically, include the following.

1. MBE/LiDAR grid – cleaned surface (outliers/noise removed), attitude and water level corrected, and 3 feet gridded XYZ file (provided in Appendix B),
2. Survey letter memorandum documenting collection, processing and QA/QC methods, and deliverables (this report),
3. The rate table of reservoir capacity vs water elevation, including differences from the Bureau of Reclamation 1958 rate table (provided in Appendix C).
4. A map showing the color coded, sun illuminated elevations for the combined bathymetry and aerial LiDAR data (provided in Appendix D).

Appendix A

Aerial LiDAR Survey Report



Appendix B

**ASCII ENZ Data Set of the Combined Multibeam Echosounder and
Aerial LiDAR Grid Data (submitted electronically)**

Appendix C
Rate Table Spreadsheet

Appendix D

Combined Bathymetry/Aerial LiDAR Survey Map

Appendix E

OPUS Reports

From: opus [<mailto:opus@ngs.noaa.gov>]
 Sent: Tuesday, March 07, 2017 8:25 PM
 To: Graves, Cory <cory.graves@tetrattech.com>
 Subject: OPUS solution : HERE0660.17o OP1488946833006

FILE: HERE0660.17o OP1488946833006
 CONTROL POINT: DAM (LAKE CASITAS)

2005 NOTE: The IGS precise and IGS rapid orbits were not available
 2005 at processing time. The IGS ultra-rapid orbit was/will be used to
 2005 process the data.
 2005

NGS OPUS SOLUTION REPORT
 =====

All computed coordinate accuracies are listed as peak-to-peak values.
 For additional information: <https://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: cory.graves@tetrattech.com DATE: March 08, 2017
 RINEX FILE: here066r.17o TIME: 04:24:17 UTC

SOFTWARE: page5 1209.04 master57.pl 160321 START: 2017/03/07 17:27:00
 EPHEMERIS: igu19392.eph [ultra-rapid] STOP: 2017/03/07 19:28:00
 NAV FILE: brdc0660.17n OBS USED: 5223 / 5240 : 100%
 ANT NAME: LEIAS10 NONE # FIXED AMB: 30 / 33 : 91%
 ARP HEIGHT: 1.3820 OVERALL RMS: 0.013 (m)

REF FRAME: NAD_83 (2011) (EPOCH:2010.0000) IGS08 (EPOCH:2017.1802)

X:	-2581815.932 (m)	0.006 (m)	-2581816.916 (m)	0.006 (m)
Y:	-4594433.587 (m)	0.011 (m)	-4594432.072 (m)	0.011 (m)
Z:	3580708.673 (m)	0.000 (m)	3580708.718 (m)	0.000 (m)
LAT:	34 22 21.00431	0.007 (m)	34 22 21.02088	0.007 (m)
E LON:	240 39 59.17367	0.000 (m)	240 39 59.11105	0.000 (m)
W LON:	119 20 0.82633	0.000 (m)	119 20 0.88895	0.000 (m)
EL HGT:	144.619 (m)	0.010 (m)	143.952 (m)	0.010 (m)
ORTHO HGT:	179.921 (m)	0.028 (m)	[NAVD88 (Computed using GEOID12B)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 11)	SPC (0405 CA 5)
Northing (Y) [meters]	3805927.224	597595.627
Easting (X) [meters]	285424.059	1877349.947
Convergence [degrees]	-1.31796506	-0.76014670
Point Scale	1.00016757	0.99994382
Combined Factor	1.00014486	0.99992112

US NATIONAL GRID DESIGNATOR: 11SKU8542405927(NAD 83)

BASE STATIONS USED						
PID	DESIGNATION		LATITUDE	LONGITUDE	DISTANCE (m)	
DN5630	CSST CSST_SCGN_CS2000	CORS ARP	N342429.113	W1192216.450	5252.3	
DL5390	OZST OZST_SCGN_CS2000	CORS ARP	N344100.124	W1192112.218	34548.4	
DL7674	ANA1 ANA1_SCGN_CS2002	CORS ARP	N340054.008	W1192148.442	39752.1	

NEAREST NGS PUBLISHED CONTROL POINT					
EW5813	F 569		N342216.	W1191824.	2478.7

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: HERE0660.17o OP1489123199752
 CONTROL POINT: BOAT LAUNCH (LAKE CASITAS)

NGS OPUS SOLUTION REPORT
 =====

All computed coordinate accuracies are listed as peak-to-peak values.
 For additional information: <https://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: cory.graves@tetrattech.com DATE: March 10, 2017
 RINEX FILE: here066u.17o TIME: 05:25:21 UTC

SOFTWARE: page5 1209.04 master98.pl 160321 START: 2017/03/07 20:21:00
 EPHEMERIS: igr19392.eph [rapid] STOP: 2017/03/08 02:00:00
 NAV FILE: brdc0660.17n OBS USED: 14840 / 15538 : 96%
 ANT NAME: LEIAS10 NONE # FIXED AMB: 50 / 50 : 100%
 ARP HEIGHT: 1.2979 OVERALL RMS: 0.014 (m)

REF FRAME: NAD_83(2011) (EPOCH:2010.0000) IGS08 (EPOCH:2017.1807)

X:	-2581021.541 (m)	0.002 (m)	-2581022.526 (m)	0.002 (m)
Y:	-4592542.343 (m)	0.011 (m)	-4592540.829 (m)	0.011 (m)
Z:	3583649.338 (m)	0.024 (m)	3583649.381 (m)	0.024 (m)

LAT:	34 24 17.11027	0.014 (m)	34 24 17.12677	0.014 (m)
E LON:	240 39 50.01290	0.006 (m)	240 39 49.95023	0.006 (m)
W LON:	119 20 9.98710	0.006 (m)	119 20 10.04977	0.006 (m)
EL HGT:	123.776 (m)	0.021 (m)	123.110 (m)	0.021 (m)
ORTHO HGT:	158.738 (m)	0.042 (m)	[NAVD88 (Computed using GEOID12B)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 11)	SPC (0405 CA 5)
Northing (Y) [meters]	3809509.923	601175.869
Easting (X) [meters]	285272.452	1877163.475
Convergence [degrees]	-1.32048854	-0.76159719
Point Scale	1.00016837	0.99994028
Combined Factor	1.00014894	0.99992085

US NATIONAL GRID DESIGNATOR: 11SKU8527209509 (NAD 83)

BASE STATIONS USED						
PID	DESIGNATION			LATITUDE	LONGITUDE	DISTANCE (m)
DL7674	ANA1	ANA1_SCGN_CS2002	CORS ARP	N340054.008	W1192148.442	43307.4
DP2483	CASN	SANTA BARBARA	CORS ARP	N342456.463	W1195042.981	46828.0
DM7584	TOST	TOST_SCGN_CS1999	CORS ARP	N341452.629	W1185011.944	49147.4

NEAREST NGS PUBLISHED CONTROL POINT						
DN5630		CSST_SCGN_CS2000	CORS ARP	N342429.113	W1192216.450	3250.9

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

Chart to Calculate Storage to the Hundreths Place (Acre Feet) - March 2017 Survey

Elev.	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08
350.0	957	958	959	960	961	962	963	964	965
350.1	968	969	970	971	972	973	974	975	976
350.2	979	980	981	982	983	984	985	986	987
350.3	990	991	992	993	994	995	996	997	999
350.4	1001	1002	1003	1004	1005	1006	1008	1009	1010
350.5	1012	1013	1014	1015	1017	1018	1019	1020	1021
350.6	1023	1025	1026	1027	1028	1029	1030	1032	1033
350.7	1035	1036	1037	1038	1040	1041	1042	1043	1044
350.8	1047	1048	1049	1050	1051	1052	1054	1055	1056
350.9	1058	1059	1061	1062	1063	1064	1065	1067	1068
351.0	1070	1071	1073	1074	1075	1076	1077	1079	1080
351.1	1082	1083	1085	1086	1087	1088	1089	1091	1092
351.2	1094	1095	1097	1098	1099	1100	1101	1103	1104
351.3	1106	1107	1109	1110	1111	1112	1114	1115	1116
351.4	1118	1120	1121	1122	1123	1125	1126	1127	1128
351.5	1131	1132	1133	1134	1136	1137	1138	1139	1141
351.6	1143	1144	1146	1147	1148	1149	1151	1152	1153
351.7	1156	1157	1158	1159	1161	1162	1163	1164	1166
351.8	1168	1169	1171	1172	1173	1174	1176	1177	1178
351.9	1181	1182	1183	1184	1186	1187	1188	1190	1191
352.0	1193	1195	1196	1197	1198	1200	1201	1202	1204
352.1	1206	1207	1209	1210	1211	1213	1214	1215	1216
352.2	1219	1220	1222	1223	1224	1225	1227	1228	1229
352.3	1232	1233	1235	1236	1237	1238	1240	1241	1242
352.4	1245	1246	1248	1249	1250	1252	1253	1254	1255
352.5	1258	1259	1261	1262	1263	1265	1266	1267	1269
352.6	1271	1273	1274	1275	1277	1278	1279	1281	1282
352.7	1285	1286	1287	1289	1290	1291	1293	1294	1295
352.8	1298	1299	1301	1302	1304	1305	1306	1308	1309
352.9	1312	1313	1314	1316	1317	1318	1320	1321	1323
353.0	1325	1327	1328	1329	1331	1332	1334	1335	1336
353.1	1339	1340	1342	1343	1345	1346	1347	1349	1350
353.2	1353	1354	1356	1357	1358	1360	1361	1363	1364
353.3	1367	1368	1370	1371	1372	1374	1375	1376	1378
353.4	1381	1382	1383	1385	1386	1388	1389	1390	1392
353.5	1395	1396	1397	1399	1400	1402	1403	1405	1406
353.6	1409	1410	1412	1413	1414	1416	1417	1419	1420
353.7	1423	1424	1426	1427	1429	1430	1431	1433	1434
353.8	1437	1439	1440	1441	1443	1444	1446	1447	1449
353.9	1451	1453	1454	1456	1457	1459	1460	1461	1463
354.0	1466	1467	1469	1470	1472	1473	1474	1476	1477
354.1	1480	1482	1483	1485	1486	1487	1489	1490	1492
354.2	1495	1496	1498	1499	1500	1502	1503	1505	1506
354.3	1509	1511	1512	1514	1515	1516	1518	1519	1521

354.4	1524	1525	1527	1528	1530	1531	1533	1534	1535
354.5	1538	1540	1541	1543	1544	1546	1547	1549	1550
354.6	1553	1555	1556	1558	1559	1560	1562	1563	1565
354.7	1568	1569	1571	1572	1574	1575	1577	1578	1580
354.8	1583	1584	1586	1587	1589	1590	1592	1593	1595
354.9	1598	1599	1601	1602	1604	1605	1606	1608	1609
355.0	1612	1614	1615	1617	1618	1620	1621	1623	1624
355.1	1627	1629	1630	1632	1633	1635	1636	1638	1640
355.2	1643	1644	1646	1647	1649	1650	1652	1653	1655
355.3	1658	1659	1661	1662	1664	1665	1667	1668	1670
355.4	1673	1674	1676	1677	1679	1680	1682	1683	1685
355.5	1688	1690	1691	1693	1694	1696	1697	1699	1700
355.6	1703	1705	1706	1708	1709	1711	1713	1714	1716
355.7	1719	1720	1722	1723	1725	1726	1728	1730	1731
355.8	1734	1736	1737	1739	1740	1742	1743	1745	1747
355.9	1750	1751	1753	1754	1756	1757	1759	1761	1762
356.0	1765	1767	1768	1770	1771	1773	1775	1776	1778
356.1	1781	1782	1784	1785	1787	1789	1790	1792	1793
356.2	1796	1798	1800	1801	1803	1804	1806	1807	1809
356.3	1812	1814	1815	1817	1818	1820	1822	1823	1825
356.4	1828	1830	1831	1833	1834	1836	1837	1839	1841
356.5	1844	1845	1847	1849	1850	1852	1853	1855	1857
356.6	1860	1861	1863	1865	1866	1868	1869	1871	1873
356.7	1876	1877	1879	1881	1882	1884	1885	1887	1889
356.8	1892	1894	1895	1897	1898	1900	1902	1903	1905
356.9	1908	1910	1911	1913	1915	1916	1918	1919	1921
357.0	1924	1926	1928	1929	1931	1932	1934	1936	1937
357.1	1941	1942	1944	1946	1947	1949	1950	1952	1954
357.2	1957	1959	1960	1962	1964	1965	1967	1969	1970
357.3	1974	1975	1977	1978	1980	1982	1983	1985	1987
357.4	1990	1992	1993	1995	1997	1998	2000	2002	2003
357.5	2007	2008	2010	2012	2013	2015	2017	2018	2020
357.6	2023	2025	2027	2028	2030	2032	2033	2035	2037
357.7	2040	2042	2043	2045	2047	2048	2050	2052	2053
357.8	2057	2058	2060	2062	2063	2065	2067	2069	2070
357.9	2074	2075	2077	2079	2080	2082	2084	2085	2087
358.0	2091	2092	2094	2096	2097	2099	2101	2102	2104
358.1	2107	2109	2111	2113	2114	2116	2118	2119	2121
358.2	2125	2126	2128	2130	2131	2133	2135	2136	2138
358.3	2142	2143	2145	2147	2148	2150	2152	2154	2155
358.4	2159	2161	2162	2164	2166	2167	2169	2171	2173
358.5	2176	2178	2179	2181	2183	2185	2186	2188	2190
358.6	2193	2195	2197	2198	2200	2202	2204	2205	2207
358.7	2211	2212	2214	2216	2218	2219	2221	2223	2225
358.8	2228	2230	2232	2233	2235	2237	2239	2240	2242
358.9	2246	2247	2249	2251	2253	2254	2256	2258	2260
359.0	2263	2265	2267	2268	2270	2272	2274	2275	2277

359.1	2281	2282	2284	2286	2288	2289	2291	2293	2295
359.2	2298	2300	2302	2304	2305	2307	2309	2311	2312
359.3	2316	2318	2320	2321	2323	2325	2327	2328	2330
359.4	2334	2336	2337	2339	2341	2343	2344	2346	2348
359.5	2352	2353	2355	2357	2359	2361	2362	2364	2366
359.6	2369	2371	2373	2375	2377	2378	2380	2382	2384
359.7	2387	2389	2391	2393	2395	2396	2398	2400	2402
359.8	2405	2407	2409	2411	2413	2414	2416	2418	2420
359.9	2423	2425	2427	2429	2431	2433	2434	2436	2438
360.0	2442	2443	2445	2447	2449	2451	2452	2454	2456
360.1	2460	2462	2463	2465	2467	2469	2471	2472	2474
360.2	2478	2480	2482	2483	2485	2487	2489	2491	2493
360.3	2496	2498	2500	2502	2504	2505	2507	2509	2511
360.4	2515	2516	2518	2520	2522	2524	2526	2527	2529
360.5	2533	2535	2537	2538	2540	2542	2544	2546	2548
360.6	2551	2553	2555	2557	2559	2561	2562	2564	2566
360.7	2570	2572	2573	2575	2577	2579	2581	2583	2585
360.8	2588	2590	2592	2594	2596	2598	2599	2601	2603
360.9	2607	2609	2611	2612	2614	2616	2618	2620	2622
361.0	2625	2627	2629	2631	2633	2635	2637	2638	2640
361.1	2644	2646	2648	2650	2652	2653	2655	2657	2659
361.2	2663	2665	2666	2668	2670	2672	2674	2676	2678
361.3	2681	2683	2685	2687	2689	2691	2693	2695	2696
361.4	2700	2702	2704	2706	2708	2710	2712	2713	2715
361.5	2719	2721	2723	2725	2727	2729	2730	2732	2734
361.6	2738	2740	2742	2744	2746	2747	2749	2751	2753
361.7	2757	2759	2761	2763	2764	2766	2768	2770	2772
361.8	2776	2778	2780	2782	2783	2785	2787	2789	2791
361.9	2795	2797	2799	2801	2803	2804	2806	2808	2810
362.0	2814	2816	2818	2820	2822	2824	2825	2827	2829
362.1	2833	2835	2837	2839	2841	2843	2845	2847	2848
362.2	2852	2854	2856	2858	2860	2862	2864	2866	2868
362.3	2872	2873	2875	2877	2879	2881	2883	2885	2887
362.4	2891	2893	2895	2897	2899	2901	2903	2904	2906
362.5	2910	2912	2914	2916	2918	2920	2922	2924	2926
362.6	2930	2932	2934	2936	2937	2939	2941	2943	2945
362.7	2949	2951	2953	2955	2957	2959	2961	2963	2965
362.8	2969	2971	2973	2975	2977	2978	2980	2982	2984
362.9	2988	2990	2992	2994	2996	2998	3000	3002	3004
363.0	3008	3010	3012	3014	3016	3018	3020	3022	3024
363.1	3028	3030	3031	3033	3035	3037	3039	3041	3043
363.2	3047	3049	3051	3053	3055	3057	3059	3061	3063
363.3	3067	3069	3071	3073	3075	3077	3079	3081	3083
363.4	3087	3089	3091	3093	3095	3097	3099	3101	3103
363.5	3107	3109	3111	3113	3115	3117	3119	3121	3123
363.6	3127	3129	3131	3133	3135	3137	3139	3141	3143
363.7	3147	3149	3151	3153	3155	3157	3159	3161	3163

363.8	3167	3169	3171	3173	3175	3177	3179	3181	3183
363.9	3187	3189	3191	3193	3195	3197	3199	3201	3203
364.0	3207	3209	3211	3213	3215	3217	3219	3221	3223
364.1	3227	3229	3231	3233	3235	3237	3239	3241	3243
364.2	3247	3249	3251	3253	3255	3257	3259	3261	3263
364.3	3267	3269	3272	3274	3276	3278	3280	3282	3284
364.4	3288	3290	3292	3294	3296	3298	3300	3302	3304
364.5	3308	3310	3312	3314	3316	3318	3320	3322	3324
364.6	3329	3331	3333	3335	3337	3339	3341	3343	3345
364.7	3349	3351	3353	3355	3357	3359	3361	3363	3365
364.8	3369	3371	3374	3376	3378	3380	3382	3384	3386
364.9	3390	3392	3394	3396	3398	3400	3402	3404	3406
365.0	3410	3413	3415	3417	3419	3421	3423	3425	3427
365.1	3431	3433	3435	3437	3439	3441	3443	3446	3448
365.2	3452	3454	3456	3458	3460	3462	3464	3466	3468
365.3	3472	3474	3477	3479	3481	3483	3485	3487	3489
365.4	3493	3495	3497	3499	3501	3504	3506	3508	3510
365.5	3514	3516	3518	3520	3522	3524	3526	3528	3531
365.6	3535	3537	3539	3541	3543	3545	3547	3549	3551
365.7	3556	3558	3560	3562	3564	3566	3568	3570	3572
365.8	3576	3578	3581	3583	3585	3587	3589	3591	3593
365.9	3597	3599	3602	3604	3606	3608	3610	3612	3614
366.0	3618	3620	3623	3625	3627	3629	3631	3633	3635
366.1	3639	3641	3644	3646	3648	3650	3652	3654	3656
366.2	3660	3662	3665	3667	3669	3671	3673	3675	3677
366.3	3681	3684	3686	3688	3690	3692	3694	3696	3698
366.4	3703	3705	3707	3709	3711	3713	3715	3717	3720
366.5	3724	3726	3728	3730	3732	3734	3737	3739	3741
366.6	3745	3747	3749	3751	3754	3756	3758	3760	3762
366.7	3766	3768	3771	3773	3775	3777	3779	3781	3783
366.8	3788	3790	3792	3794	3796	3798	3800	3803	3805
366.9	3809	3811	3813	3815	3818	3820	3822	3824	3826
367.0	3830	3833	3835	3837	3839	3841	3843	3845	3848
367.1	3852	3854	3856	3858	3860	3863	3865	3867	3869
367.2	3873	3876	3878	3880	3882	3884	3886	3888	3891
367.3	3895	3897	3899	3901	3904	3906	3908	3910	3912
367.4	3916	3919	3921	3923	3925	3927	3929	3932	3934
367.5	3938	3940	3942	3945	3947	3949	3951	3953	3955
367.6	3960	3962	3964	3966	3968	3971	3973	3975	3977
367.7	3981	3984	3986	3988	3990	3992	3994	3997	3999
367.8	4003	4005	4008	4010	4012	4014	4016	4018	4021
367.9	4025	4027	4029	4032	4034	4036	4038	4040	4042
368.0	4047	4049	4051	4053	4056	4058	4060	4062	4064
368.1	4069	4071	4073	4075	4077	4080	4082	4084	4086
368.2	4091	4093	4095	4097	4099	4102	4104	4106	4108
368.3	4113	4115	4117	4119	4121	4124	4126	4128	4130
368.4	4135	4137	4139	4141	4143	4146	4148	4150	4152

368.5	4157	4159	4161	4163	4165	4168	4170	4172	4174
368.6	4179	4181	4183	4185	4188	4190	4192	4194	4196
368.7	4201	4203	4205	4207	4210	4212	4214	4216	4219
368.8	4223	4225	4227	4230	4232	4234	4236	4238	4241
368.9	4245	4247	4250	4252	4254	4256	4259	4261	4263
369.0	4267	4270	4272	4274	4276	4279	4281	4283	4285
369.1	4290	4292	4294	4296	4299	4301	4303	4305	4308
369.2	4312	4314	4316	4319	4321	4323	4325	4328	4330
369.3	4334	4337	4339	4341	4343	4346	4348	4350	4352
369.4	4357	4359	4361	4363	4366	4368	4370	4372	4375
369.5	4379	4381	4384	4386	4388	4390	4393	4395	4397
369.6	4402	4404	4406	4408	4411	4413	4415	4417	4420
369.7	4424	4426	4429	4431	4433	4435	4438	4440	4442
369.8	4447	4449	4451	4453	4456	4458	4460	4463	4465
369.9	4469	4472	4474	4476	4478	4481	4483	4485	4487
370.0	4492	4494	4496	4499	4501	4503	4506	4508	4510
370.1	4515	4517	4519	4521	4524	4526	4528	4530	4533
370.2	4537	4540	4542	4544	4546	4549	4551	4553	4556
370.3	4560	4562	4565	4567	4569	4571	4574	4576	4578
370.4	4583	4585	4587	4590	4592	4594	4597	4599	4601
370.5	4606	4608	4610	4613	4615	4617	4619	4622	4624
370.6	4629	4631	4633	4635	4638	4640	4642	4645	4647
370.7	4652	4654	4656	4658	4661	4663	4665	4668	4670
370.8	4674	4677	4679	4681	4684	4686	4688	4691	4693
370.9	4698	4700	4702	4704	4707	4709	4711	4714	4716
371.0	4721	4723	4725	4728	4730	4732	4734	4737	4739
371.1	4744	4746	4748	4751	4753	4755	4758	4760	4762
371.2	4767	4769	4771	4774	4776	4778	4781	4783	4785
371.3	4790	4792	4795	4797	4799	4802	4804	4806	4809
371.4	4813	4816	4818	4820	4823	4825	4827	4830	4832
371.5	4837	4839	4841	4844	4846	4848	4851	4853	4855
371.6	4860	4862	4865	4867	4869	4872	4874	4876	4879
371.7	4883	4886	4888	4890	4893	4895	4897	4900	4902
371.8	4907	4909	4911	4914	4916	4919	4921	4923	4926
371.9	4930	4933	4935	4937	4940	4942	4944	4947	4949
372.0	4954	4956	4959	4961	4963	4966	4968	4971	4973
372.1	4978	4980	4982	4985	4987	4989	4992	4994	4997
372.2	5001	5004	5006	5008	5011	5013	5016	5018	5020
372.3	5025	5028	5030	5032	5035	5037	5039	5042	5044
372.4	5049	5051	5054	5056	5059	5061	5063	5066	5068
372.5	5073	5075	5078	5080	5082	5085	5087	5090	5092
372.6	5097	5099	5102	5104	5106	5109	5111	5114	5116
372.7	5121	5123	5126	5128	5130	5133	5135	5138	5140
372.8	5145	5147	5150	5152	5154	5157	5159	5162	5164
372.9	5169	5171	5174	5176	5179	5181	5183	5186	5188
373.0	5193	5196	5198	5200	5203	5205	5208	5210	5212
373.1	5217	5220	5222	5225	5227	5229	5232	5234	5237

373.2	5242	5244	5246	5249	5251	5254	5256	5259	5261
373.3	5266	5268	5271	5273	5276	5278	5281	5283	5285
373.4	5290	5293	5295	5298	5300	5302	5305	5307	5310
373.5	5315	5317	5320	5322	5325	5327	5329	5332	5334
373.6	5339	5342	5344	5347	5349	5351	5354	5356	5359
373.7	5364	5366	5369	5371	5374	5376	5378	5381	5383
373.8	5388	5391	5393	5396	5398	5401	5403	5406	5408
373.9	5413	5415	5418	5420	5423	5425	5428	5430	5433
374.0	5438	5440	5443	5445	5448	5450	5452	5455	5457
374.1	5462	5465	5467	5470	5472	5475	5477	5480	5482
374.2	5487	5490	5492	5495	5497	5500	5502	5505	5507
374.3	5512	5515	5517	5520	5522	5525	5527	5530	5532
374.4	5537	5540	5542	5545	5547	5550	5552	5554	5557
374.5	5562	5564	5567	5569	5572	5575	5577	5580	5582
374.6	5587	5590	5592	5595	5597	5600	5602	5605	5607
374.7	5612	5615	5617	5620	5622	5625	5627	5630	5632
374.8	5637	5640	5642	5645	5647	5650	5652	5655	5657
374.9	5662	5665	5667	5670	5673	5675	5678	5680	5683
375.0	5688	5690	5693	5695	5698	5700	5703	5705	5708
375.1	5713	5715	5718	5721	5723	5726	5728	5731	5733
375.2	5738	5741	5743	5746	5748	5751	5753	5756	5759
375.3	5764	5766	5769	5771	5774	5776	5779	5781	5784
375.4	5789	5792	5794	5797	5799	5802	5804	5807	5809
375.5	5815	5817	5820	5822	5825	5827	5830	5832	5835
375.6	5840	5843	5845	5848	5850	5853	5855	5858	5861
375.7	5866	5868	5871	5873	5876	5879	5881	5884	5886
375.8	5891	5894	5896	5899	5902	5904	5907	5909	5912
375.9	5917	5920	5922	5925	5927	5930	5932	5935	5938
376.0	5943	5945	5948	5950	5953	5956	5958	5961	5963
376.1	5969	5971	5974	5976	5979	5981	5984	5987	5989
376.2	5994	5997	6000	6002	6005	6007	6010	6013	6015
376.3	6020	6023	6025	6028	6031	6033	6036	6038	6041
376.4	6046	6049	6051	6054	6057	6059	6062	6064	6067
376.5	6072	6075	6077	6080	6083	6085	6088	6090	6093
376.6	6098	6101	6103	6106	6109	6111	6114	6116	6119
376.7	6124	6127	6130	6132	6135	6137	6140	6143	6145
376.8	6150	6153	6156	6158	6161	6164	6166	6169	6171
376.9	6177	6179	6182	6185	6187	6190	6192	6195	6198
377.0	6203	6206	6208	6211	6213	6216	6219	6221	6224
377.1	6229	6232	6234	6237	6240	6242	6245	6248	6250
377.2	6256	6258	6261	6263	6266	6269	6271	6274	6277
377.3	6282	6285	6287	6290	6292	6295	6298	6300	6303
377.4	6308	6311	6314	6316	6319	6322	6324	6327	6330
377.5	6335	6337	6340	6343	6345	6348	6351	6353	6356
377.6	6361	6364	6367	6369	6372	6375	6377	6380	6383
377.7	6388	6391	6393	6396	6399	6401	6404	6407	6409
377.8	6415	6417	6420	6423	6425	6428	6431	6433	6436

377.9	6441	6444	6447	6449	6452	6455	6457	6460	6463
378.0	6468	6471	6473	6476	6479	6481	6484	6487	6489
378.1	6495	6497	6500	6503	6505	6508	6511	6513	6516
378.2	6521	6524	6527	6530	6532	6535	6538	6540	6543
378.3	6548	6551	6554	6556	6559	6562	6564	6567	6570
378.4	6575	6578	6581	6583	6586	6589	6591	6594	6597
378.5	6602	6605	6608	6610	6613	6616	6618	6621	6624
378.6	6629	6632	6635	6637	6640	6643	6645	6648	6651
378.7	6656	6659	6662	6664	6667	6670	6672	6675	6678
378.8	6683	6686	6689	6691	6694	6697	6700	6702	6705
378.9	6710	6713	6716	6719	6721	6724	6727	6729	6732
379.0	6738	6740	6743	6746	6749	6751	6754	6757	6759
379.1	6765	6768	6770	6773	6776	6779	6781	6784	6787
379.2	6792	6795	6798	6800	6803	6806	6809	6811	6814
379.3	6819	6822	6825	6828	6830	6833	6836	6839	6841
379.4	6847	6850	6852	6855	6858	6861	6863	6866	6869
379.5	6874	6877	6880	6882	6885	6888	6891	6893	6896
379.6	6902	6904	6907	6910	6913	6915	6918	6921	6924
379.7	6929	6932	6935	6938	6940	6943	6946	6949	6951
379.8	6957	6960	6962	6965	6968	6971	6973	6976	6979
379.9	6984	6987	6990	6993	6996	6998	7001	7004	7007
380.0	7012	7015	7018	7021	7023	7026	7029	7032	7034
380.1	7040	7043	7045	7048	7051	7054	7057	7059	7062
380.2	7068	7070	7073	7076	7079	7082	7084	7087	7090
380.3	7096	7098	7101	7104	7107	7109	7112	7115	7118
380.4	7123	7126	7129	7132	7135	7137	7140	7143	7146
380.5	7151	7154	7157	7160	7163	7165	7168	7171	7174
380.6	7179	7182	7185	7188	7191	7193	7196	7199	7202
380.7	7207	7210	7213	7216	7219	7221	7224	7227	7230
380.8	7235	7238	7241	7244	7247	7249	7252	7255	7258
380.9	7264	7266	7269	7272	7275	7278	7280	7283	7286
381.0	7292	7295	7297	7300	7303	7306	7309	7311	7314
381.1	7320	7323	7326	7328	7331	7334	7337	7340	7343
381.2	7348	7351	7354	7357	7359	7362	7365	7368	7371
381.3	7376	7379	7382	7385	7388	7391	7394	7396	7399
381.4	7405	7408	7411	7413	7416	7419	7422	7425	7428
381.5	7433	7436	7439	7442	7445	7448	7450	7453	7456
381.6	7462	7465	7467	7470	7473	7476	7479	7482	7485
381.7	7490	7493	7496	7499	7502	7505	7507	7510	7513
381.8	7519	7522	7525	7527	7530	7533	7536	7539	7542
381.9	7548	7550	7553	7556	7559	7562	7565	7568	7570
382.0	7576	7579	7582	7585	7588	7591	7593	7596	7599
382.1	7605	7608	7611	7614	7616	7619	7622	7625	7628
382.2	7634	7637	7640	7642	7645	7648	7651	7654	7657
382.3	7663	7665	7668	7671	7674	7677	7680	7683	7686
382.4	7691	7694	7697	7700	7703	7706	7709	7712	7715
382.5	7720	7723	7726	7729	7732	7735	7738	7741	7744

382.6	7749	7752	7755	7758	7761	7764	7767	7770	7773
382.7	7779	7781	7784	7787	7790	7793	7796	7799	7802
382.8	7808	7811	7813	7816	7819	7822	7825	7828	7831
382.9	7837	7840	7843	7846	7849	7851	7854	7857	7860
383.0	7866	7869	7872	7875	7878	7881	7884	7887	7890
383.1	7895	7898	7901	7904	7907	7910	7913	7916	7919
383.2	7925	7928	7931	7934	7936	7939	7942	7945	7948
383.3	7954	7957	7960	7963	7966	7969	7972	7975	7978
383.4	7984	7987	7989	7992	7995	7998	8001	8004	8007
383.5	8013	8016	8019	8022	8025	8028	8031	8034	8037
383.6	8043	8046	8049	8052	8054	8057	8060	8063	8066
383.7	8072	8075	8078	8081	8084	8087	8090	8093	8096
383.8	8102	8105	8108	8111	8114	8117	8120	8123	8126
383.9	8132	8135	8138	8141	8144	8147	8149	8152	8155
384.0	8161	8164	8167	8170	8173	8176	8179	8182	8185
384.1	8191	8194	8197	8200	8203	8206	8209	8212	8215
384.2	8221	8224	8227	8230	8233	8236	8239	8242	8245
384.3	8251	8254	8257	8260	8263	8266	8269	8272	8275
384.4	8281	8284	8287	8290	8293	8296	8299	8302	8305
384.5	8311	8314	8317	8320	8323	8326	8329	8332	8335
384.6	8341	8344	8347	8350	8353	8356	8359	8362	8365
384.7	8371	8374	8377	8380	8383	8386	8389	8392	8395
384.8	8401	8404	8407	8410	8413	8416	8419	8423	8426
384.9	8432	8435	8438	8441	8444	8447	8450	8453	8456
385.0	8462	8465	8468	8471	8474	8477	8480	8483	8486
385.1	8492	8495	8498	8501	8504	8507	8510	8513	8516
385.2	8523	8526	8529	8532	8535	8538	8541	8544	8547
385.3	8553	8556	8559	8562	8565	8568	8571	8574	8577
385.4	8583	8586	8590	8593	8596	8599	8602	8605	8608
385.5	8614	8617	8620	8623	8626	8629	8632	8635	8638
385.6	8645	8648	8651	8654	8657	8660	8663	8666	8669
385.7	8675	8678	8681	8684	8688	8691	8694	8697	8700
385.8	8706	8709	8712	8715	8718	8721	8724	8727	8731
385.9	8737	8740	8743	8746	8749	8752	8755	8758	8761
386.0	8768	8771	8774	8777	8780	8783	8786	8789	8792
386.1	8798	8802	8805	8808	8811	8814	8817	8820	8823
386.2	8829	8833	8836	8839	8842	8845	8848	8851	8854
386.3	8860	8864	8867	8870	8873	8876	8879	8882	8885
386.4	8891	8895	8898	8901	8904	8907	8910	8913	8916
386.5	8923	8926	8929	8932	8935	8938	8941	8944	8948
386.6	8954	8957	8960	8963	8966	8969	8973	8976	8979
386.7	8985	8988	8991	8994	8998	9001	9004	9007	9010
386.8	9016	9019	9023	9026	9029	9032	9035	9038	9041
386.9	9048	9051	9054	9057	9060	9063	9067	9070	9073
387.0	9079	9082	9085	9089	9092	9095	9098	9101	9104
387.1	9111	9114	9117	9120	9123	9126	9129	9133	9136
387.2	9142	9145	9148	9152	9155	9158	9161	9164	9167

387.3	9174	9177	9180	9183	9186	9189	9193	9196	9199
387.4	9205	9208	9212	9215	9218	9221	9224	9227	9231
387.5	9237	9240	9243	9247	9250	9253	9256	9259	9262
387.6	9269	9272	9275	9278	9281	9285	9288	9291	9294
387.7	9301	9304	9307	9310	9313	9316	9320	9323	9326
387.8	9332	9336	9339	9342	9345	9348	9352	9355	9358
387.9	9364	9368	9371	9374	9377	9380	9384	9387	9390
388.0	9396	9400	9403	9406	9409	9412	9416	9419	9422
388.1	9428	9432	9435	9438	9441	9444	9448	9451	9454
388.2	9460	9464	9467	9470	9473	9477	9480	9483	9486
388.3	9493	9496	9499	9502	9506	9509	9512	9515	9518
388.4	9525	9528	9531	9535	9538	9541	9544	9547	9551
388.5	9557	9560	9564	9567	9570	9573	9576	9580	9583
388.6	9589	9593	9596	9599	9602	9606	9609	9612	9615
388.7	9622	9625	9628	9631	9635	9638	9641	9644	9648
388.8	9654	9657	9661	9664	9667	9670	9674	9677	9680
388.9	9687	9690	9693	9696	9700	9703	9706	9709	9713
389.0	9719	9722	9726	9729	9732	9735	9739	9742	9745
389.1	9752	9755	9758	9761	9765	9768	9771	9774	9778
389.2	9784	9788	9791	9794	9797	9801	9804	9807	9810
389.3	9817	9820	9823	9827	9830	9833	9837	9840	9843
389.4	9850	9853	9856	9859	9863	9866	9869	9873	9876
389.5	9882	9886	9889	9892	9896	9899	9902	9905	9909
389.6	9915	9919	9922	9925	9928	9932	9935	9938	9942
389.7	9948	9951	9955	9958	9961	9965	9968	9971	9974
389.8	9981	9984	9988	9991	9994	9998	10001	10004	10007
389.9	10014	10017	10021	10024	10027	10031	10034	10037	10040
390.0	10047	10050	10054	10057	10060	10064	10067	10070	10074
390.1	10080	10083	10087	10090	10093	10097	10100	10103	10107
390.2	10113	10117	10120	10123	10127	10130	10133	10136	10140
390.3	10146	10150	10153	10156	10160	10163	10166	10170	10173
390.4	10180	10183	10186	10190	10193	10196	10200	10203	10206
390.5	10213	10216	10220	10223	10226	10230	10233	10236	10240
390.6	10246	10250	10253	10256	10260	10263	10266	10270	10273
390.7	10280	10283	10286	10290	10293	10296	10300	10303	10306
390.8	10313	10316	10320	10323	10326	10330	10333	10336	10340
390.9	10346	10350	10353	10357	10360	10363	10367	10370	10373
391.0	10380	10383	10387	10390	10393	10397	10400	10403	10407
391.1	10414	10417	10420	10424	10427	10430	10434	10437	10440
391.2	10447	10450	10454	10457	10461	10464	10467	10471	10474
391.3	10481	10484	10487	10491	10494	10498	10501	10504	10508
391.4	10514	10518	10521	10525	10528	10531	10535	10538	10541
391.5	10548	10552	10555	10558	10562	10565	10568	10572	10575
391.6	10582	10585	10589	10592	10595	10599	10602	10606	10609
391.7	10616	10619	10623	10626	10629	10633	10636	10639	10643
391.8	10650	10653	10656	10660	10663	10667	10670	10673	10677
391.9	10684	10687	10690	10694	10697	10701	10704	10707	10711

392.0	10718	10721	10724	10728	10731	10735	10738	10741	10745
392.1	10752	10755	10758	10762	10765	10769	10772	10775	10779
392.2	10786	10789	10792	10796	10799	10803	10806	10810	10813
392.3	10820	10823	10827	10830	10833	10837	10840	10844	10847
392.4	10854	10857	10861	10864	10868	10871	10874	10878	10881
392.5	10888	10892	10895	10898	10902	10905	10909	10912	10916
392.6	10922	10926	10929	10933	10936	10940	10943	10946	10950
392.7	10957	10960	10964	10967	10970	10974	10977	10981	10984
392.8	10991	10995	10998	11001	11005	11008	11012	11015	11019
392.9	11026	11029	11032	11036	11039	11043	11046	11050	11053
393.0	11060	11064	11067	11070	11074	11077	11081	11084	11088
393.1	11095	11098	11102	11105	11108	11112	11115	11119	11122
393.2	11129	11133	11136	11140	11143	11147	11150	11153	11157
393.3	11164	11167	11171	11174	11178	11181	11185	11188	11192
393.4	11199	11202	11206	11209	11213	11216	11220	11223	11226
393.5	11233	11237	11240	11244	11247	11251	11254	11258	11261
393.6	11268	11272	11275	11279	11282	11286	11289	11293	11296
393.7	11303	11307	11310	11314	11317	11321	11324	11328	11331
393.8	11338	11342	11345	11349	11352	11356	11359	11363	11366
393.9	11373	11377	11380	11384	11387	11391	11394	11398	11401
394.0	11408	11412	11415	11419	11422	11426	11429	11433	11436
394.1	11443	11447	11450	11454	11458	11461	11465	11468	11472
394.2	11479	11482	11486	11489	11493	11496	11500	11503	11507
394.3	11514	11517	11521	11525	11528	11532	11535	11539	11542
394.4	11549	11553	11556	11560	11563	11567	11570	11574	11578
394.5	11585	11588	11592	11595	11599	11602	11606	11609	11613
394.6	11620	11624	11627	11631	11634	11638	11641	11645	11649
394.7	11656	11659	11663	11666	11670	11673	11677	11681	11684
394.8	11691	11695	11698	11702	11705	11709	11713	11716	11720
394.9	11727	11730	11734	11738	11741	11745	11748	11752	11755
395.0	11763	11766	11770	11773	11777	11781	11784	11788	11791
395.1	11798	11802	11806	11809	11813	11816	11820	11823	11827
395.2	11834	11838	11841	11845	11849	11852	11856	11859	11863
395.3	11870	11874	11877	11881	11885	11888	11892	11895	11899
395.4	11906	11910	11913	11917	11921	11924	11928	11931	11935
395.5	11942	11946	11949	11953	11957	11960	11964	11968	11971
395.6	11978	11982	11986	11989	11993	11996	12000	12004	12007
395.7	12015	12018	12022	12025	12029	12033	12036	12040	12044
395.8	12051	12054	12058	12062	12065	12069	12073	12076	12080
395.9	12087	12091	12094	12098	12102	12105	12109	12113	12116
396.0	12124	12127	12131	12135	12138	12142	12145	12149	12153
396.1	12160	12164	12167	12171	12175	12178	12182	12186	12189
396.2	12197	12200	12204	12208	12211	12215	12219	12222	12226
396.3	12233	12237	12241	12244	12248	12252	12255	12259	12263
396.4	12270	12274	12277	12281	12285	12288	12292	12296	12299
396.5	12307	12310	12314	12318	12321	12325	12329	12332	12336
396.6	12343	12347	12351	12355	12358	12362	12366	12369	12373

396.7	12380	12384	12388	12391	12395	12399	12402	12406	12410
396.8	12417	12421	12425	12428	12432	12436	12439	12443	12447
396.9	12454	12458	12462	12465	12469	12473	12476	12480	12484
397.0	12491	12495	12499	12502	12506	12510	12513	12517	12521
397.1	12528	12532	12536	12539	12543	12547	12551	12554	12558
397.2	12565	12569	12573	12577	12580	12584	12588	12591	12595
397.3	12603	12606	12610	12614	12618	12621	12625	12629	12632
397.4	12640	12644	12647	12651	12655	12659	12662	12666	12670
397.5	12677	12681	12685	12688	12692	12696	12700	12703	12707
397.6	12715	12718	12722	12726	12730	12733	12737	12741	12745
397.7	12752	12756	12760	12763	12767	12771	12775	12778	12782
397.8	12790	12793	12797	12801	12805	12808	12812	12816	12820
397.9	12827	12831	12835	12838	12842	12846	12850	12854	12857
398.0	12865	12869	12872	12876	12880	12884	12887	12891	12895
398.1	12903	12906	12910	12914	12918	12921	12925	12929	12933
398.2	12940	12944	12948	12952	12955	12959	12963	12967	12970
398.3	12978	12982	12986	12989	12993	12997	13001	13005	13008
398.4	13016	13020	13024	13027	13031	13035	13039	13042	13046
398.5	13054	13058	13061	13065	13069	13073	13077	13080	13084
398.6	13092	13096	13099	13103	13107	13111	13115	13118	13122
398.7	13130	13134	13137	13141	13145	13149	13153	13157	13160
398.8	13168	13172	13176	13179	13183	13187	13191	13195	13198
398.9	13206	13210	13214	13218	13221	13225	13229	13233	13237
399.0	13244	13248	13252	13256	13260	13264	13267	13271	13275
399.1	13283	13287	13290	13294	13298	13302	13306	13309	13313
399.2	13321	13325	13329	13333	13336	13340	13344	13348	13352
399.3	13359	13363	13367	13371	13375	13379	13383	13386	13390
399.4	13398	13402	13406	13410	13413	13417	13421	13425	13429
399.5	13437	13440	13444	13448	13452	13456	13460	13464	13467
399.6	13475	13479	13483	13487	13491	13494	13498	13502	13506
399.7	13514	13518	13522	13525	13529	13533	13537	13541	13545
399.8	13553	13556	13560	13564	13568	13572	13576	13580	13584
399.9	13591	13595	13599	13603	13607	13611	13615	13619	13622
400.0	13630	13634	13638	13642	13646	13650	13654	13657	13661
400.1	13669	13673	13677	13681	13685	13689	13692	13696	13700
400.2	13708	13712	13716	13720	13724	13728	13732	13735	13739
400.3	13747	13751	13755	13759	13763	13767	13771	13775	13778
400.4	13786	13790	13794	13798	13802	13806	13810	13814	13818
400.5	13825	13829	13833	13837	13841	13845	13849	13853	13857
400.6	13865	13869	13873	13876	13880	13884	13888	13892	13896
400.7	13904	13908	13912	13916	13920	13924	13928	13932	13936
400.8	13943	13947	13951	13955	13959	13963	13967	13971	13975
400.9	13983	13987	13991	13995	13999	14003	14007	14010	14014
401.0	14022	14026	14030	14034	14038	14042	14046	14050	14054
401.1	14062	14066	14070	14074	14078	14082	14086	14090	14094
401.2	14101	14105	14109	14113	14117	14121	14125	14129	14133
401.3	14141	14145	14149	14153	14157	14161	14165	14169	14173

401.4	14181	14185	14189	14193	14197	14201	14205	14209	14213
401.5	14221	14225	14229	14233	14237	14241	14245	14248	14252
401.6	14260	14264	14268	14272	14276	14280	14284	14288	14292
401.7	14300	14304	14308	14312	14316	14320	14324	14328	14332
401.8	14340	14344	14348	14352	14356	14360	14364	14368	14372
401.9	14380	14384	14388	14392	14396	14400	14404	14408	14412
402.0	14420	14424	14428	14433	14437	14441	14445	14449	14453
402.1	14461	14465	14469	14473	14477	14481	14485	14489	14493
402.2	14501	14505	14509	14513	14517	14521	14525	14529	14533
402.3	14541	14545	14549	14553	14557	14561	14565	14569	14573
402.4	14581	14586	14590	14594	14598	14602	14606	14610	14614
402.5	14622	14626	14630	14634	14638	14642	14646	14650	14654
402.6	14662	14666	14670	14675	14679	14683	14687	14691	14695
402.7	14703	14707	14711	14715	14719	14723	14727	14731	14735
402.8	14744	14748	14752	14756	14760	14764	14768	14772	14776
402.9	14784	14788	14792	14796	14800	14805	14809	14813	14817
403.0	14825	14829	14833	14837	14841	14845	14849	14853	14858
403.1	14866	14870	14874	14878	14882	14886	14890	14894	14898
403.2	14906	14911	14915	14919	14923	14927	14931	14935	14939
403.3	14947	14951	14956	14960	14964	14968	14972	14976	14980
403.4	14988	14992	14997	15001	15005	15009	15013	15017	15021
403.5	15029	15033	15038	15042	15046	15050	15054	15058	15062
403.6	15070	15075	15079	15083	15087	15091	15095	15099	15103
403.7	15112	15116	15120	15124	15128	15132	15136	15140	15145
403.8	15153	15157	15161	15165	15169	15173	15178	15182	15186
403.9	15194	15198	15202	15207	15211	15215	15219	15223	15227
404.0	15235	15240	15244	15248	15252	15256	15260	15264	15269
404.1	15277	15281	15285	15289	15293	15298	15302	15306	15310
404.2	15318	15323	15327	15331	15335	15339	15343	15347	15352
404.3	15360	15364	15368	15372	15377	15381	15385	15389	15393
404.4	15402	15406	15410	15414	15418	15422	15427	15431	15435
404.5	15443	15447	15452	15456	15460	15464	15468	15473	15477
404.6	15485	15489	15493	15498	15502	15506	15510	15514	15519
404.7	15527	15531	15535	15539	15544	15548	15552	15556	15560
404.8	15569	15573	15577	15581	15586	15590	15594	15598	15602
404.9	15611	15615	15619	15623	15628	15632	15636	15640	15644
405.0	15653	15657	15661	15665	15670	15674	15678	15682	15687
405.1	15695	15699	15703	15708	15712	15716	15720	15724	15729
405.2	15737	15741	15746	15750	15754	15758	15762	15767	15771
405.3	15779	15784	15788	15792	15796	15800	15805	15809	15813
405.4	15822	15826	15830	15834	15839	15843	15847	15851	15856
405.5	15864	15868	15873	15877	15881	15885	15889	15894	15898
405.6	15906	15911	15915	15919	15923	15928	15932	15936	15940
405.7	15949	15953	15957	15962	15966	15970	15974	15979	15983
405.8	15992	15996	16000	16004	16009	16013	16017	16021	16026
405.9	16034	16038	16043	16047	16051	16055	16060	16064	16068
406.0	16077	16081	16085	16090	16094	16098	16102	16107	16111

406.1	16120	16124	16128	16132	16137	16141	16145	16150	16154
406.2	16162	16167	16171	16175	16179	16184	16188	16192	16197
406.3	16205	16209	16214	16218	16222	16227	16231	16235	16240
406.4	16248	16252	16257	16261	16265	16270	16274	16278	16283
406.5	16291	16295	16300	16304	16308	16313	16317	16321	16326
406.6	16334	16338	16343	16347	16351	16356	16360	16364	16369
406.7	16377	16382	16386	16390	16395	16399	16403	16407	16412
406.8	16420	16425	16429	16433	16438	16442	16446	16451	16455
406.9	16464	16468	16472	16477	16481	16485	16490	16494	16498
407.0	16507	16511	16516	16520	16524	16529	16533	16537	16542
407.1	16550	16555	16559	16563	16568	16572	16576	16581	16585
407.2	16594	16598	16602	16607	16611	16615	16620	16624	16628
407.3	16637	16641	16646	16650	16655	16659	16663	16668	16672
407.4	16681	16685	16689	16694	16698	16702	16707	16711	16716
407.5	16724	16729	16733	16737	16742	16746	16750	16755	16759
407.6	16768	16772	16777	16781	16785	16790	16794	16798	16803
407.7	16812	16816	16820	16825	16829	16833	16838	16842	16847
407.8	16855	16860	16864	16869	16873	16877	16882	16886	16890
407.9	16899	16904	16908	16912	16917	16921	16926	16930	16934
408.0	16943	16947	16952	16956	16961	16965	16969	16974	16978
408.1	16987	16991	16996	17000	17005	17009	17013	17018	17022
408.2	17031	17035	17040	17044	17049	17053	17058	17062	17066
408.3	17075	17080	17084	17088	17093	17097	17102	17106	17110
408.4	17119	17124	17128	17133	17137	17141	17146	17150	17155
408.5	17164	17168	17172	17177	17181	17186	17190	17194	17199
408.6	17208	17212	17217	17221	17226	17230	17234	17239	17243
408.7	17252	17257	17261	17265	17270	17274	17279	17283	17288
408.8	17296	17301	17305	17310	17314	17319	17323	17328	17332
408.9	17341	17345	17350	17354	17359	17363	17368	17372	17377
409.0	17385	17390	17394	17399	17403	17408	17412	17417	17421
409.1	17430	17434	17439	17443	17448	17452	17457	17461	17466
409.2	17475	17479	17484	17488	17493	17497	17501	17506	17510
409.3	17519	17524	17528	17533	17537	17542	17546	17551	17555
409.4	17564	17569	17573	17578	17582	17587	17591	17596	17600
409.5	17609	17613	17618	17622	17627	17631	17636	17640	17645
409.6	17654	17658	17663	17667	17672	17676	17681	17685	17690
409.7	17699	17703	17708	17712	17717	17721	17726	17730	17735
409.8	17744	17748	17753	17757	17762	17766	17771	17775	17780
409.9	17789	17793	17798	17802	17807	17811	17816	17820	17825
410.0	17834	17839	17843	17848	17852	17857	17861	17866	17870
410.1	17879	17884	17888	17893	17897	17902	17906	17911	17915
410.2	17924	17929	17934	17938	17943	17947	17952	17956	17961
410.3	17970	17974	17979	17983	17988	17992	17997	18002	18006
410.4	18015	18020	18024	18029	18033	18038	18042	18047	18052
410.5	18061	18065	18070	18074	18079	18083	18088	18092	18097
410.6	18106	18111	18115	18120	18124	18129	18133	18138	18143
410.7	18152	18156	18161	18165	18170	18175	18179	18184	18188

410.8	18197	18202	18207	18211	18216	18220	18225	18229	18234
410.9	18243	18248	18252	18257	18261	18266	18271	18275	18280
411.0	18289	18293	18298	18303	18307	18312	18316	18321	18326
411.1	18335	18339	18344	18348	18353	18358	18362	18367	18371
411.2	18381	18385	18390	18394	18399	18404	18408	18413	18417
411.3	18427	18431	18436	18440	18445	18450	18454	18459	18463
411.4	18473	18477	18482	18486	18491	18496	18500	18505	18510
411.5	18519	18523	18528	18533	18537	18542	18546	18551	18556
411.6	18565	18570	18574	18579	18583	18588	18593	18597	18602
411.7	18611	18616	18620	18625	18630	18634	18639	18644	18648
411.8	18658	18662	18667	18671	18676	18681	18685	18690	18695
411.9	18704	18709	18713	18718	18723	18727	18732	18737	18741
412.0	18750	18755	18760	18764	18769	18774	18778	18783	18788
412.1	18797	18802	18806	18811	18816	18820	18825	18830	18834
412.2	18844	18848	18853	18858	18862	18867	18872	18876	18881
412.3	18890	18895	18900	18904	18909	18914	18918	18923	18928
412.4	18937	18942	18947	18951	18956	18961	18965	18970	18975
412.5	18984	18989	18993	18998	19003	19007	19012	19017	19022
412.6	19031	19036	19040	19045	19050	19054	19059	19064	19069
412.7	19078	19083	19087	19092	19097	19101	19106	19111	19116
412.8	19125	19130	19134	19139	19144	19149	19153	19158	19163
412.9	19172	19177	19182	19186	19191	19196	19200	19205	19210
413.0	19219	19224	19229	19234	19238	19243	19248	19252	19257
413.1	19267	19271	19276	19281	19286	19290	19295	19300	19304
413.2	19314	19319	19323	19328	19333	19338	19342	19347	19352
413.3	19361	19366	19371	19376	19380	19385	19390	19395	19399
413.4	19409	19414	19418	19423	19428	19433	19437	19442	19447
413.5	19456	19461	19466	19471	19475	19480	19485	19490	19494
413.6	19504	19509	19513	19518	19523	19528	19532	19537	19542
413.7	19552	19556	19561	19566	19571	19575	19580	19585	19590
413.8	19599	19604	19609	19614	19618	19623	19628	19633	19637
413.9	19647	19652	19657	19661	19666	19671	19676	19681	19685
414.0	19695	19700	19705	19709	19714	19719	19724	19728	19733
414.1	19743	19748	19752	19757	19762	19767	19772	19776	19781
414.2	19791	19796	19800	19805	19810	19815	19820	19825	19829
414.3	19839	19844	19849	19853	19858	19863	19868	19873	19877
414.4	19887	19892	19897	19902	19906	19911	19916	19921	19926
414.5	19935	19940	19945	19950	19955	19959	19964	19969	19974
414.6	19984	19988	19993	19998	20003	20008	20013	20017	20022
414.7	20032	20037	20042	20046	20051	20056	20061	20066	20071
414.8	20080	20085	20090	20095	20100	20105	20109	20114	20119
414.9	20129	20134	20139	20143	20148	20153	20158	20163	20168
415.0	20177	20182	20187	20192	20197	20202	20207	20212	20216
415.1	20226	20231	20236	20241	20246	20250	20255	20260	20265
415.2	20275	20280	20285	20289	20294	20299	20304	20309	20314
415.3	20324	20328	20333	20338	20343	20348	20353	20358	20363
415.4	20372	20377	20382	20387	20392	20397	20402	20407	20412

415.5	20421	20426	20431	20436	20441	20446	20451	20456	20461
415.6	20470	20475	20480	20485	20490	20495	20500	20505	20510
415.7	20519	20524	20529	20534	20539	20544	20549	20554	20559
415.8	20569	20574	20578	20583	20588	20593	20598	20603	20608
415.9	20618	20623	20628	20633	20638	20642	20647	20652	20657
416.0	20667	20672	20677	20682	20687	20692	20697	20702	20707
416.1	20716	20721	20726	20731	20736	20741	20746	20751	20756
416.2	20766	20771	20776	20781	20786	20791	20796	20801	20806
416.3	20815	20820	20825	20830	20835	20840	20845	20850	20855
416.4	20865	20870	20875	20880	20885	20890	20895	20900	20905
416.5	20915	20920	20925	20930	20935	20940	20945	20950	20955
416.6	20965	20970	20974	20979	20984	20989	20994	20999	21004
416.7	21014	21019	21024	21029	21034	21039	21044	21049	21054
416.8	21064	21069	21074	21079	21084	21089	21094	21099	21104
416.9	21114	21119	21124	21129	21134	21139	21144	21149	21154
417.0	21164	21169	21174	21179	21184	21189	21194	21199	21204
417.1	21214	21219	21224	21230	21235	21240	21245	21250	21255
417.2	21265	21270	21275	21280	21285	21290	21295	21300	21305
417.3	21315	21320	21325	21330	21335	21340	21345	21350	21355
417.4	21365	21370	21375	21380	21385	21390	21396	21401	21406
417.5	21416	21421	21426	21431	21436	21441	21446	21451	21456
417.6	21466	21471	21476	21481	21486	21491	21497	21502	21507
417.7	21517	21522	21527	21532	21537	21542	21547	21552	21557
417.8	21567	21572	21577	21583	21588	21593	21598	21603	21608
417.9	21618	21623	21628	21633	21638	21643	21648	21654	21659
418.0	21669	21674	21679	21684	21689	21694	21699	21704	21709
418.1	21720	21725	21730	21735	21740	21745	21750	21755	21760
418.2	21770	21776	21781	21786	21791	21796	21801	21806	21811
418.3	21821	21827	21832	21837	21842	21847	21852	21857	21862
418.4	21872	21878	21883	21888	21893	21898	21903	21908	21913
418.5	21924	21929	21934	21939	21944	21949	21954	21959	21965
418.6	21975	21980	21985	21990	21995	22000	22005	22011	22016
418.7	22026	22031	22036	22041	22046	22052	22057	22062	22067
418.8	22077	22082	22088	22093	22098	22103	22108	22113	22118
418.9	22129	22134	22139	22144	22149	22154	22159	22165	22170
419.0	22180	22185	22190	22195	22201	22206	22211	22216	22221
419.1	22232	22237	22242	22247	22252	22257	22262	22268	22273
419.2	22283	22288	22293	22299	22304	22309	22314	22319	22324
419.3	22335	22340	22345	22350	22355	22361	22366	22371	22376
419.4	22386	22392	22397	22402	22407	22412	22417	22423	22428
419.5	22438	22443	22449	22454	22459	22464	22469	22474	22480
419.6	22490	22495	22500	22506	22511	22516	22521	22526	22532
419.7	22542	22547	22552	22558	22563	22568	22573	22578	22584
419.8	22594	22599	22604	22610	22615	22620	22625	22630	22636
419.9	22646	22651	22656	22662	22667	22672	22677	22683	22688
420.0	22698	22703	22709	22714	22719	22724	22729	22735	22740
420.1	22750	22756	22761	22766	22771	22776	22782	22787	22792

420.2	22803	22808	22813	22818	22824	22829	22834	22839	22845
420.3	22855	22860	22865	22871	22876	22881	22886	22892	22897
420.4	22907	22913	22918	22923	22928	22934	22939	22944	22949
420.5	22960	22965	22970	22976	22981	22986	22992	22997	23002
420.6	23013	23018	23023	23028	23034	23039	23044	23049	23055
420.7	23065	23070	23076	23081	23086	23092	23097	23102	23107
420.8	23118	23123	23129	23134	23139	23144	23150	23155	23160
420.9	23171	23176	23181	23187	23192	23197	23203	23208	23213
421.0	23224	23229	23234	23240	23245	23250	23255	23261	23266
421.1	23277	23282	23287	23293	23298	23303	23308	23314	23319
421.2	23330	23335	23340	23346	23351	23356	23362	23367	23372
421.3	23383	23388	23394	23399	23404	23409	23415	23420	23425
421.4	23436	23441	23447	23452	23457	23463	23468	23473	23479
421.5	23489	23495	23500	23505	23511	23516	23521	23527	23532
421.6	23543	23548	23553	23559	23564	23570	23575	23580	23586
421.7	23596	23602	23607	23612	23618	23623	23628	23634	23639
421.8	23650	23655	23661	23666	23671	23677	23682	23687	23693
421.9	23703	23709	23714	23720	23725	23730	23736	23741	23746
422.0	23757	23763	23768	23773	23779	23784	23789	23795	23800
422.1	23811	23816	23822	23827	23832	23838	23843	23849	23854
422.2	23865	23870	23876	23881	23886	23892	23897	23903	23908
422.3	23919	23924	23929	23935	23940	23946	23951	23956	23962
422.4	23973	23978	23984	23989	23994	24000	24005	24011	24016
422.5	24027	24032	24038	24043	24048	24054	24059	24065	24070
422.6	24081	24086	24092	24097	24103	24108	24113	24119	24124
422.7	24135	24141	24146	24151	24157	24162	24168	24173	24179
422.8	24189	24195	24200	24206	24211	24217	24222	24228	24233
422.9	24244	24249	24255	24260	24266	24271	24277	24282	24287
423.0	24298	24304	24309	24315	24320	24326	24331	24336	24342
423.1	24353	24358	24364	24369	24375	24380	24386	24391	24397
423.2	24407	24413	24418	24424	24429	24435	24440	24446	24451
423.3	24462	24468	24473	24479	24484	24489	24495	24500	24506
423.4	24517	24522	24528	24533	24539	24544	24550	24555	24561
423.5	24572	24577	24583	24588	24594	24599	24605	24610	24616
423.6	24627	24632	24638	24643	24649	24654	24660	24665	24671
423.7	24682	24687	24693	24698	24704	24709	24715	24720	24726
423.8	24737	24742	24748	24753	24759	24764	24770	24775	24781
423.9	24792	24797	24803	24808	24814	24819	24825	24830	24836
424.0	24847	24853	24858	24864	24869	24875	24880	24886	24891
424.1	24902	24908	24913	24919	24924	24930	24936	24941	24947
424.2	24958	24963	24969	24974	24980	24985	24991	24996	25002
424.3	25013	25019	25024	25030	25035	25041	25046	25052	25058
424.4	25069	25074	25080	25085	25091	25096	25102	25108	25113
424.5	25124	25130	25135	25141	25146	25152	25158	25163	25169
424.6	25180	25185	25191	25197	25202	25208	25213	25219	25224
424.7	25236	25241	25247	25252	25258	25263	25269	25275	25280
424.8	25291	25297	25303	25308	25314	25319	25325	25331	25336

424.9	25347	25353	25358	25364	25370	25375	25381	25386	25392
425.0	25403	25409	25414	25420	25426	25431	25437	25442	25448
425.1	25459	25465	25470	25476	25482	25487	25493	25499	25504
425.2	25515	25521	25527	25532	25538	25543	25549	25555	25560
425.3	25572	25577	25583	25588	25594	25600	25605	25611	25617
425.4	25628	25633	25639	25645	25650	25656	25662	25667	25673
425.5	25684	25690	25695	25701	25707	25712	25718	25724	25729
425.6	25740	25746	25752	25757	25763	25769	25774	25780	25786
425.7	25797	25803	25808	25814	25820	25825	25831	25837	25842
425.8	25853	25859	25865	25870	25876	25882	25887	25893	25899
425.9	25910	25916	25921	25927	25933	25938	25944	25950	25955
426.0	25967	25972	25978	25984	25990	25995	26001	26007	26012
426.1	26024	26029	26035	26041	26046	26052	26058	26063	26069
426.2	26080	26086	26092	26097	26103	26109	26115	26120	26126
426.3	26137	26143	26149	26154	26160	26166	26172	26177	26183
426.4	26194	26200	26206	26211	26217	26223	26229	26234	26240
426.5	26251	26257	26263	26269	26274	26280	26286	26291	26297
426.6	26309	26314	26320	26326	26331	26337	26343	26349	26354
426.7	26366	26371	26377	26383	26389	26394	26400	26406	26412
426.8	26423	26429	26435	26440	26446	26452	26458	26463	26469
426.9	26480	26486	26492	26498	26504	26509	26515	26521	26526
427.0	26538	26544	26550	26555	26561	26567	26573	26578	26584
427.1	26596	26601	26607	26613	26619	26624	26630	26636	26642
427.2	26653	26659	26665	26671	26676	26682	26688	26694	26699
427.3	26711	26717	26723	26728	26734	26740	26746	26752	26757
427.4	26769	26775	26780	26786	26792	26798	26804	26809	26815
427.5	26827	26833	26838	26844	26850	26856	26862	26867	26873
427.6	26885	26891	26896	26902	26908	26914	26920	26925	26931
427.7	26943	26949	26955	26960	26966	26972	26978	26984	26989
427.8	27001	27007	27013	27019	27024	27030	27036	27042	27048
427.9	27059	27065	27071	27077	27083	27089	27094	27100	27106
428.0	27118	27124	27129	27135	27141	27147	27153	27159	27164
428.1	27176	27182	27188	27194	27200	27205	27211	27217	27223
428.2	27235	27241	27246	27252	27258	27264	27270	27276	27282
428.3	27293	27299	27305	27311	27317	27323	27328	27334	27340
428.4	27352	27358	27364	27370	27375	27381	27387	27393	27399
428.5	27411	27417	27422	27428	27434	27440	27446	27452	27458
428.6	27469	27475	27481	27487	27493	27499	27505	27511	27517
428.7	27528	27534	27540	27546	27552	27558	27564	27570	27576
428.8	27587	27593	27599	27605	27611	27617	27623	27629	27635
428.9	27646	27652	27658	27664	27670	27676	27682	27688	27694
429.0	27706	27711	27717	27723	27729	27735	27741	27747	27753
429.1	27765	27771	27777	27783	27788	27794	27800	27806	27812
429.2	27824	27830	27836	27842	27848	27854	27860	27866	27872
429.3	27883	27889	27895	27901	27907	27913	27919	27925	27931
429.4	27943	27949	27955	27961	27967	27973	27979	27985	27991
429.5	28002	28008	28014	28020	28026	28032	28038	28044	28050

429.6	28062	28068	28074	28080	28086	28092	28098	28104	28110
429.7	28122	28128	28134	28140	28146	28152	28158	28164	28170
429.8	28182	28188	28194	28200	28206	28212	28218	28224	28230
429.9	28242	28247	28253	28259	28265	28271	28277	28283	28289
430.0	28301	28307	28313	28319	28325	28332	28338	28344	28350
430.1	28362	28368	28374	28380	28386	28392	28398	28404	28410
430.2	28422	28428	28434	28440	28446	28452	28458	28464	28470
430.3	28482	28488	28494	28500	28506	28512	28518	28524	28530
430.4	28542	28548	28554	28560	28566	28572	28578	28584	28590
430.5	28603	28609	28615	28621	28627	28633	28639	28645	28651
430.6	28663	28669	28675	28681	28687	28693	28699	28705	28712
430.7	28724	28730	28736	28742	28748	28754	28760	28766	28772
430.8	28784	28790	28796	28803	28809	28815	28821	28827	28833
430.9	28845	28851	28857	28863	28869	28875	28882	28888	28894
431.0	28906	28912	28918	28924	28930	28936	28942	28949	28955
431.1	28967	28973	28979	28985	28991	28997	29003	29010	29016
431.2	29028	29034	29040	29046	29052	29058	29064	29071	29077
431.3	29089	29095	29101	29107	29113	29120	29126	29132	29138
431.4	29150	29156	29162	29168	29175	29181	29187	29193	29199
431.5	29211	29218	29224	29230	29236	29242	29248	29254	29260
431.6	29273	29279	29285	29291	29297	29303	29310	29316	29322
431.7	29334	29340	29346	29353	29359	29365	29371	29377	29383
431.8	29396	29402	29408	29414	29420	29427	29433	29439	29445
431.9	29457	29464	29470	29476	29482	29488	29494	29501	29507
432.0	29519	29525	29531	29538	29544	29550	29556	29562	29569
432.1	29581	29587	29593	29599	29606	29612	29618	29624	29630
432.2	29643	29649	29655	29661	29668	29674	29680	29686	29692
432.3	29705	29711	29717	29723	29730	29736	29742	29748	29754
432.4	29767	29773	29779	29785	29792	29798	29804	29810	29817
432.5	29829	29835	29841	29848	29854	29860	29866	29873	29879
432.6	29891	29898	29904	29910	29916	29922	29929	29935	29941
432.7	29954	29960	29966	29972	29979	29985	29991	29997	30004
432.8	30016	30022	30029	30035	30041	30047	30054	30060	30066
432.9	30079	30085	30091	30097	30104	30110	30116	30122	30129
433.0	30141	30147	30154	30160	30166	30173	30179	30185	30191
433.1	30204	30210	30216	30223	30229	30235	30242	30248	30254
433.2	30267	30273	30279	30286	30292	30298	30304	30311	30317
433.3	30330	30336	30342	30348	30355	30361	30367	30374	30380
433.4	30393	30399	30405	30411	30418	30424	30430	30437	30443
433.5	30456	30462	30468	30474	30481	30487	30493	30500	30506
433.6	30519	30525	30531	30538	30544	30550	30557	30563	30569
433.7	30582	30588	30595	30601	30607	30614	30620	30626	30633
433.8	30645	30652	30658	30664	30671	30677	30683	30690	30696
433.9	30709	30715	30721	30728	30734	30740	30747	30753	30759
434.0	30772	30778	30785	30791	30798	30804	30810	30817	30823
434.1	30836	30842	30848	30855	30861	30867	30874	30880	30887
434.2	30899	30906	30912	30918	30925	30931	30938	30944	30950

434.3	30963	30969	30976	30982	30989	30995	31001	31008	31014
434.4	31027	31033	31040	31046	31053	31059	31065	31072	31078
434.5	31091	31097	31104	31110	31116	31123	31129	31136	31142
434.6	31155	31161	31168	31174	31181	31187	31193	31200	31206
434.7	31219	31225	31232	31238	31245	31251	31258	31264	31270
434.8	31283	31290	31296	31303	31309	31315	31322	31328	31335
434.9	31348	31354	31360	31367	31373	31380	31386	31393	31399
435.0	31412	31418	31425	31431	31438	31444	31451	31457	31464
435.1	31477	31483	31489	31496	31502	31509	31515	31522	31528
435.2	31541	31548	31554	31561	31567	31573	31580	31586	31593
435.3	31606	31612	31619	31625	31632	31638	31645	31651	31658
435.4	31671	31677	31684	31690	31697	31703	31710	31716	31723
435.5	31736	31742	31749	31755	31761	31768	31774	31781	31787
435.6	31800	31807	31813	31820	31826	31833	31840	31846	31853
435.7	31866	31872	31879	31885	31892	31898	31905	31911	31918
435.8	31931	31937	31944	31950	31957	31963	31970	31976	31983
435.9	31996	32002	32009	32016	32022	32029	32035	32042	32048
436.0	32061	32068	32074	32081	32087	32094	32101	32107	32114
436.1	32127	32133	32140	32146	32153	32159	32166	32173	32179
436.2	32192	32199	32205	32212	32218	32225	32232	32238	32245
436.3	32258	32264	32271	32277	32284	32290	32297	32303	32310
436.4	32323	32330	32336	32343	32350	32356	32363	32369	32376
436.5	32389	32396	32402	32409	32416	32422	32429	32435	32442
436.6	32455	32462	32468	32475	32482	32488	32495	32501	32508
436.7	32521	32528	32534	32541	32548	32554	32561	32567	32574
436.8	32587	32594	32600	32607	32614	32620	32627	32634	32640
436.9	32653	32660	32667	32673	32680	32686	32693	32700	32706
437.0	32720	32726	32733	32740	32746	32753	32759	32766	32773
437.1	32786	32793	32799	32806	32813	32819	32826	32832	32839
437.2	32852	32859	32866	32872	32879	32886	32892	32899	32906
437.3	32919	32926	32932	32939	32946	32952	32959	32965	32972
437.4	32985	32992	32999	33005	33012	33019	33025	33032	33039
437.5	33052	33059	33066	33072	33079	33086	33092	33099	33106
437.6	33119	33126	33132	33139	33146	33152	33159	33166	33172
437.7	33186	33193	33199	33206	33213	33219	33226	33233	33239
437.8	33253	33259	33266	33273	33280	33286	33293	33300	33306
437.9	33320	33327	33333	33340	33347	33353	33360	33367	33374
438.0	33387	33394	33400	33407	33414	33421	33427	33434	33441
438.1	33454	33461	33468	33474	33481	33488	33495	33501	33508
438.2	33522	33528	33535	33542	33549	33555	33562	33569	33576
438.3	33589	33596	33603	33609	33616	33623	33630	33636	33643
438.4	33657	33663	33670	33677	33684	33690	33697	33704	33711
438.5	33724	33731	33738	33745	33751	33758	33765	33772	33778
438.6	33792	33799	33806	33812	33819	33826	33833	33839	33846
438.7	33860	33867	33873	33880	33887	33894	33900	33907	33914
438.8	33928	33934	33941	33948	33955	33962	33968	33975	33982
438.9	33996	34002	34009	34016	34023	34030	34036	34043	34050

439.0	34064	34071	34077	34084	34091	34098	34105	34111	34118
439.1	34132	34139	34146	34152	34159	34166	34173	34180	34187
439.2	34200	34207	34214	34221	34228	34234	34241	34248	34255
439.3	34269	34275	34282	34289	34296	34303	34310	34316	34323
439.4	34337	34344	34351	34358	34364	34371	34378	34385	34392
439.5	34406	34412	34419	34426	34433	34440	34447	34454	34460
439.6	34474	34481	34488	34495	34502	34509	34515	34522	34529
439.7	34543	34550	34557	34564	34570	34577	34584	34591	34598
439.8	34612	34619	34626	34632	34639	34646	34653	34660	34667
439.9	34681	34688	34695	34701	34708	34715	34722	34729	34736
440.0	34750	34757	34764	34770	34777	34784	34791	34798	34805
440.1	34819	34826	34833	34840	34847	34853	34860	34867	34874
440.2	34888	34895	34902	34909	34916	34923	34930	34937	34943
440.3	34957	34964	34971	34978	34985	34992	34999	35006	35013
440.4	35027	35034	35041	35048	35055	35061	35068	35075	35082
440.5	35096	35103	35110	35117	35124	35131	35138	35145	35152
440.6	35166	35173	35180	35187	35194	35201	35208	35215	35222
440.7	35235	35242	35249	35256	35263	35270	35277	35284	35291
440.8	35305	35312	35319	35326	35333	35340	35347	35354	35361
440.9	35375	35382	35389	35396	35403	35410	35417	35424	35431
441.0	35445	35452	35459	35466	35473	35480	35487	35494	35501
441.1	35515	35522	35529	35536	35543	35550	35557	35564	35571
441.2	35585	35592	35599	35606	35613	35620	35627	35635	35642
441.3	35656	35663	35670	35677	35684	35691	35698	35705	35712
441.4	35726	35733	35740	35747	35754	35761	35768	35775	35782
441.5	35796	35803	35811	35818	35825	35832	35839	35846	35853
441.6	35867	35874	35881	35888	35895	35902	35909	35916	35924
441.7	35938	35945	35952	35959	35966	35973	35980	35987	35994
441.8	36008	36015	36023	36030	36037	36044	36051	36058	36065
441.9	36079	36086	36093	36101	36108	36115	36122	36129	36136
442.0	36150	36157	36164	36172	36179	36186	36193	36200	36207
442.1	36221	36228	36236	36243	36250	36257	36264	36271	36278
442.2	36292	36300	36307	36314	36321	36328	36335	36342	36350
442.3	36364	36371	36378	36385	36392	36400	36407	36414	36421
442.4	36435	36442	36450	36457	36464	36471	36478	36485	36492
442.5	36507	36514	36521	36528	36535	36543	36550	36557	36564
442.6	36578	36586	36593	36600	36607	36614	36621	36629	36636
442.7	36650	36657	36664	36672	36679	36686	36693	36700	36708
442.8	36722	36729	36736	36743	36751	36758	36765	36772	36779
442.9	36794	36801	36808	36815	36823	36830	36837	36844	36852
443.0	36866	36873	36880	36888	36895	36902	36909	36916	36924
443.1	36938	36945	36953	36960	36967	36974	36981	36989	36996
443.2	37010	37018	37025	37032	37039	37047	37054	37061	37068
443.3	37083	37090	37097	37105	37112	37119	37126	37134	37141
443.4	37155	37163	37170	37177	37184	37192	37199	37206	37213
443.5	37228	37235	37242	37250	37257	37264	37272	37279	37286
443.6	37301	37308	37315	37323	37330	37337	37344	37352	37359

443.7	37374	37381	37388	37395	37403	37410	37417	37425	37432
443.8	37446	37454	37461	37468	37476	37483	37490	37498	37505
443.9	37520	37527	37534	37542	37549	37556	37564	37571	37578
444.0	37593	37600	37607	37615	37622	37629	37637	37644	37651
444.1	37666	37673	37681	37688	37696	37703	37710	37718	37725
444.2	37740	37747	37754	37762	37769	37776	37784	37791	37798
444.3	37813	37820	37828	37835	37843	37850	37857	37865	37872
444.4	37887	37894	37902	37909	37916	37924	37931	37938	37946
444.5	37961	37968	37975	37983	37990	37997	38005	38012	38020
444.6	38034	38042	38049	38057	38064	38071	38079	38086	38094
444.7	38108	38116	38123	38131	38138	38145	38153	38160	38168
444.8	38182	38190	38197	38205	38212	38219	38227	38234	38242
444.9	38257	38264	38271	38279	38286	38294	38301	38309	38316
445.0	38331	38338	38346	38353	38361	38368	38376	38383	38390
445.1	38405	38413	38420	38428	38435	38442	38450	38457	38465
445.2	38480	38487	38495	38502	38510	38517	38525	38532	38539
445.3	38554	38562	38569	38577	38584	38592	38599	38607	38614
445.4	38629	38637	38644	38652	38659	38666	38674	38681	38689
445.5	38704	38711	38719	38726	38734	38741	38749	38756	38764
445.6	38779	38786	38794	38801	38809	38816	38824	38831	38839
445.7	38854	38861	38869	38876	38884	38891	38899	38906	38914
445.8	38929	38936	38944	38951	38959	38967	38974	38982	38989
445.9	39004	39012	39019	39027	39034	39042	39049	39057	39064
446.0	39079	39087	39095	39102	39110	39117	39125	39132	39140
446.1	39155	39162	39170	39177	39185	39193	39200	39208	39215
446.2	39230	39238	39245	39253	39261	39268	39276	39283	39291
446.3	39306	39313	39321	39329	39336	39344	39351	39359	39366
446.4	39382	39389	39397	39404	39412	39419	39427	39435	39442
446.5	39457	39465	39473	39480	39488	39495	39503	39510	39518
446.6	39533	39541	39548	39556	39564	39571	39579	39586	39594
446.7	39609	39617	39624	39632	39640	39647	39655	39662	39670
446.8	39685	39693	39700	39708	39716	39723	39731	39738	39746
446.9	39761	39769	39777	39784	39792	39799	39807	39815	39822
447.0	39838	39845	39853	39860	39868	39876	39883	39891	39899
447.1	39914	39922	39929	39937	39944	39952	39960	39967	39975
447.2	39990	39998	40006	40013	40021	40029	40036	40044	40051
447.3	40067	40074	40082	40090	40097	40105	40113	40120	40128
447.4	40143	40151	40159	40166	40174	40182	40189	40197	40205
447.5	40220	40228	40235	40243	40251	40258	40266	40274	40282
447.6	40297	40305	40312	40320	40328	40335	40343	40351	40358
447.7	40374	40381	40389	40397	40405	40412	40420	40428	40435
447.8	40451	40458	40466	40474	40482	40489	40497	40505	40512
447.9	40528	40535	40543	40551	40559	40566	40574	40582	40590
448.0	40605	40613	40620	40628	40636	40644	40651	40659	40667
448.1	40682	40690	40698	40705	40713	40721	40729	40736	40744
448.2	40760	40767	40775	40783	40791	40798	40806	40814	40822
448.3	40837	40845	40853	40860	40868	40876	40884	40891	40899

448.4	40915	40922	40930	40938	40946	40953	40961	40969	40977
448.5	40992	41000	41008	41016	41023	41031	41039	41047	41055
448.6	41070	41078	41086	41093	41101	41109	41117	41125	41132
448.7	41148	41156	41164	41171	41179	41187	41195	41203	41210
448.8	41226	41234	41242	41249	41257	41265	41273	41281	41288
448.9	41304	41312	41320	41327	41335	41343	41351	41359	41367
449.0	41382	41390	41398	41406	41413	41421	41429	41437	41445
449.1	41460	41468	41476	41484	41492	41500	41507	41515	41523
449.2	41539	41547	41555	41562	41570	41578	41586	41594	41602
449.3	41617	41625	41633	41641	41649	41657	41664	41672	41680
449.4	41696	41704	41712	41720	41727	41735	41743	41751	41759
449.5	41775	41782	41790	41798	41806	41814	41822	41830	41838
449.6	41853	41861	41869	41877	41885	41893	41901	41909	41916
449.7	41932	41940	41948	41956	41964	41972	41980	41988	41995
449.8	42011	42019	42027	42035	42043	42051	42059	42067	42075
449.9	42090	42098	42106	42114	42122	42130	42138	42146	42154
450.0	42170	42177	42185	42193	42201	42209	42217	42225	42233
450.1	42249	42257	42265	42273	42281	42288	42296	42304	42312
450.2	42328	42336	42344	42352	42360	42368	42376	42384	42392
450.3	42408	42416	42424	42432	42439	42447	42455	42463	42471
450.4	42487	42495	42503	42511	42519	42527	42535	42543	42551
450.5	42567	42575	42583	42591	42599	42607	42615	42623	42631
450.6	42647	42655	42663	42671	42679	42687	42695	42703	42711
450.7	42726	42734	42742	42750	42758	42766	42774	42782	42790
450.8	42806	42814	42822	42830	42838	42846	42854	42862	42870
450.9	42886	42895	42903	42911	42919	42927	42935	42943	42951
451.0	42967	42975	42983	42991	42999	43007	43015	43023	43031
451.1	43047	43055	43063	43071	43079	43087	43095	43103	43111
451.2	43127	43135	43143	43151	43159	43167	43175	43184	43192
451.3	43208	43216	43224	43232	43240	43248	43256	43264	43272
451.4	43288	43296	43304	43312	43320	43329	43337	43345	43353
451.5	43369	43377	43385	43393	43401	43409	43417	43425	43433
451.6	43450	43458	43466	43474	43482	43490	43498	43506	43514
451.7	43530	43539	43547	43555	43563	43571	43579	43587	43595
451.8	43611	43619	43628	43636	43644	43652	43660	43668	43676
451.9	43692	43701	43709	43717	43725	43733	43741	43749	43757
452.0	43774	43782	43790	43798	43806	43814	43822	43831	43839
452.1	43855	43863	43871	43879	43887	43896	43904	43912	43920
452.2	43936	43944	43953	43961	43969	43977	43985	43993	44001
452.3	44018	44026	44034	44042	44050	44059	44067	44075	44083
452.4	44099	44107	44116	44124	44132	44140	44148	44157	44165
452.5	44181	44189	44197	44206	44214	44222	44230	44238	44246
452.6	44263	44271	44279	44287	44296	44304	44312	44320	44328
452.7	44345	44353	44361	44369	44377	44386	44394	44402	44410
452.8	44427	44435	44443	44451	44460	44468	44476	44484	44492
452.9	44509	44517	44525	44533	44542	44550	44558	44566	44575
453.0	44591	44599	44607	44616	44624	44632	44640	44649	44657

453.1	44673	44682	44690	44698	44706	44714	44723	44731	44739
453.2	44756	44764	44772	44780	44789	44797	44805	44813	44822
453.3	44838	44846	44855	44863	44871	44880	44888	44896	44904
453.4	44921	44929	44937	44946	44954	44962	44970	44979	44987
453.5	45004	45012	45020	45028	45037	45045	45053	45062	45070
453.6	45086	45095	45103	45111	45120	45128	45136	45144	45153
453.7	45169	45178	45186	45194	45203	45211	45219	45227	45236
453.8	45252	45261	45269	45277	45286	45294	45302	45311	45319
453.9	45335	45344	45352	45360	45369	45377	45385	45394	45402
454.0	45419	45427	45435	45444	45452	45460	45469	45477	45485
454.1	45502	45510	45519	45527	45536	45544	45552	45561	45569
454.2	45586	45594	45602	45611	45619	45627	45636	45644	45652
454.3	45669	45678	45686	45694	45703	45711	45719	45728	45736
454.4	45753	45761	45770	45778	45786	45795	45803	45812	45820
454.5	45837	45845	45853	45862	45870	45879	45887	45895	45904
454.6	45921	45929	45937	45946	45954	45963	45971	45979	45988
454.7	46005	46013	46022	46030	46038	46047	46055	46064	46072
454.8	46089	46097	46106	46114	46123	46131	46139	46148	46156
454.9	46173	46182	46190	46198	46207	46215	46224	46232	46240
455.0	46257	46266	46274	46283	46291	46300	46308	46317	46325
455.1	46342	46350	46359	46367	46376	46384	46393	46401	46410
455.2	46427	46435	46443	46452	46460	46469	46477	46486	46494
455.3	46511	46520	46528	46537	46545	46554	46562	46571	46579
455.4	46596	46605	46613	46622	46630	46638	46647	46655	46664
455.5	46681	46689	46698	46706	46715	46723	46732	46740	46749
455.6	46766	46774	46783	46791	46800	46808	46817	46826	46834
455.7	46851	46860	46868	46877	46885	46894	46902	46911	46919
455.8	46936	46945	46953	46962	46970	46979	46987	46996	47004
455.9	47022	47030	47039	47047	47056	47064	47073	47081	47090
456.0	47107	47116	47124	47133	47141	47150	47158	47167	47175
456.1	47192	47201	47210	47218	47227	47235	47244	47252	47261
456.2	47278	47287	47295	47304	47312	47321	47330	47338	47347
456.3	47364	47372	47381	47390	47398	47407	47415	47424	47432
456.4	47450	47458	47467	47475	47484	47493	47501	47510	47518
456.5	47536	47544	47553	47561	47570	47579	47587	47596	47604
456.6	47622	47630	47639	47647	47656	47665	47673	47682	47690
456.7	47708	47716	47725	47734	47742	47751	47759	47768	47777
456.8	47794	47803	47811	47820	47828	47837	47846	47854	47863
456.9	47880	47889	47898	47906	47915	47924	47932	47941	47949
457.0	47967	47975	47984	47993	48001	48010	48019	48027	48036
457.1	48053	48062	48071	48079	48088	48097	48105	48114	48123
457.2	48140	48149	48157	48166	48175	48183	48192	48201	48209
457.3	48227	48235	48244	48253	48261	48270	48279	48287	48296
457.4	48313	48322	48331	48340	48348	48357	48366	48374	48383
457.5	48400	48409	48418	48427	48435	48444	48453	48461	48470
457.6	48488	48496	48505	48514	48522	48531	48540	48549	48557
457.7	48575	48583	48592	48601	48610	48618	48627	48636	48645

457.8	48662	48671	48680	48688	48697	48706	48714	48723	48732
457.9	48749	48758	48767	48776	48784	48793	48802	48811	48819
458.0	48837	48846	48854	48863	48872	48881	48890	48898	48907
458.1	48925	48933	48942	48951	48960	48968	48977	48986	48995
458.2	49012	49021	49030	49039	49047	49056	49065	49074	49083
458.3	49100	49109	49118	49126	49135	49144	49153	49162	49170
458.4	49188	49197	49206	49214	49223	49232	49241	49250	49258
458.5	49276	49285	49294	49303	49311	49320	49329	49338	49347
458.6	49364	49373	49382	49391	49400	49408	49417	49426	49435
458.7	49452	49461	49470	49479	49488	49497	49506	49514	49523
458.8	49541	49550	49559	49567	49576	49585	49594	49603	49612
458.9	49629	49638	49647	49656	49665	49674	49682	49691	49700
459.0	49718	49727	49736	49745	49753	49762	49771	49780	49789
459.1	49807	49816	49824	49833	49842	49851	49860	49869	49878
459.2	49895	49904	49913	49922	49931	49940	49949	49958	49967
459.3	49984	49993	50002	50011	50020	50029	50038	50047	50056
459.4	50073	50082	50091	50100	50109	50118	50127	50136	50145
459.5	50163	50171	50180	50189	50198	50207	50216	50225	50234
459.6	50252	50261	50270	50279	50288	50297	50305	50314	50323
459.7	50341	50350	50359	50368	50377	50386	50395	50404	50413
459.8	50431	50440	50449	50458	50467	50475	50484	50493	50502
459.9	50520	50529	50538	50547	50556	50565	50574	50583	50592
460.0	50610	50619	50628	50637	50646	50655	50664	50673	50682
460.1	50700	50709	50718	50727	50736	50745	50754	50763	50772
460.2	50790	50799	50808	50817	50826	50835	50844	50853	50862
460.3	50880	50889	50898	50907	50916	50925	50934	50943	50952
460.4	50970	50979	50988	50997	51006	51015	51024	51033	51042
460.5	51060	51069	51078	51087	51096	51105	51114	51123	51132
460.6	51151	51160	51169	51178	51187	51196	51205	51214	51223
460.7	51241	51250	51259	51268	51277	51286	51295	51304	51313
460.8	51332	51341	51350	51359	51368	51377	51386	51395	51404
460.9	51422	51431	51440	51450	51459	51468	51477	51486	51495
461.0	51513	51522	51531	51540	51550	51559	51568	51577	51586
461.1	51604	51613	51622	51631	51640	51650	51659	51668	51677
461.2	51695	51704	51713	51722	51732	51741	51750	51759	51768
461.3	51786	51795	51805	51814	51823	51832	51841	51850	51859
461.4	51878	51887	51896	51905	51914	51923	51932	51942	51951
461.5	51969	51978	51987	51996	52006	52015	52024	52033	52042
461.6	52061	52070	52079	52088	52097	52106	52116	52125	52134
461.7	52152	52161	52171	52180	52189	52198	52207	52216	52226
461.8	52244	52253	52262	52272	52281	52290	52299	52308	52317
461.9	52336	52345	52354	52363	52373	52382	52391	52400	52409
462.0	52428	52437	52446	52455	52465	52474	52483	52492	52502
462.1	52520	52529	52538	52548	52557	52566	52575	52585	52594
462.2	52612	52621	52631	52640	52649	52658	52668	52677	52686
462.3	52705	52714	52723	52732	52742	52751	52760	52769	52779
462.4	52797	52806	52816	52825	52834	52843	52853	52862	52871

462.5	52890	52899	52908	52917	52927	52936	52945	52955	52964
462.6	52982	52992	53001	53010	53020	53029	53038	53047	53057
462.7	53075	53084	53094	53103	53112	53122	53131	53140	53150
462.8	53168	53177	53187	53196	53205	53215	53224	53233	53243
462.9	53261	53271	53280	53289	53299	53308	53317	53326	53336
463.0	53354	53364	53373	53382	53392	53401	53410	53420	53429
463.1	53448	53457	53466	53476	53485	53494	53504	53513	53523
463.2	53541	53551	53560	53569	53579	53588	53597	53607	53616
463.3	53635	53644	53653	53663	53672	53682	53691	53700	53710
463.4	53728	53738	53747	53757	53766	53775	53785	53794	53803
463.5	53822	53832	53841	53850	53860	53869	53879	53888	53897
463.6	53916	53925	53935	53944	53954	53963	53972	53982	53991
463.7	54010	54019	54029	54038	54048	54057	54067	54076	54085
463.8	54104	54114	54123	54132	54142	54151	54161	54170	54180
463.9	54198	54208	54217	54227	54236	54246	54255	54265	54274
464.0	54293	54302	54312	54321	54331	54340	54350	54359	54368
464.1	54387	54397	54406	54416	54425	54435	54444	54454	54463
464.2	54482	54491	54501	54510	54520	54529	54539	54548	54558
464.3	54577	54586	54596	54605	54615	54624	54634	54643	54653
464.4	54671	54681	54690	54700	54709	54719	54728	54738	54747
464.5	54766	54776	54785	54795	54804	54814	54824	54833	54843
464.6	54862	54871	54881	54890	54900	54909	54919	54928	54938
464.7	54957	54966	54976	54985	54995	55004	55014	55023	55033
464.8	55052	55062	55071	55081	55090	55100	55109	55119	55128
464.9	55147	55157	55167	55176	55186	55195	55205	55214	55224
465.0	55243	55253	55262	55272	55281	55291	55300	55310	55320
465.1	55339	55348	55358	55367	55377	55387	55396	55406	55415
465.2	55434	55444	55454	55463	55473	55482	55492	55501	55511
465.3	55530	55540	55549	55559	55569	55578	55588	55597	55607
465.4	55626	55636	55645	55655	55665	55674	55684	55694	55703
465.5	55722	55732	55742	55751	55761	55770	55780	55790	55799
465.6	55819	55828	55838	55847	55857	55867	55876	55886	55896
465.7	55915	55925	55934	55944	55953	55963	55973	55982	55992
465.8	56011	56021	56031	56040	56050	56060	56069	56079	56089
465.9	56108	56118	56127	56137	56147	56156	56166	56176	56185
466.0	56205	56214	56224	56234	56243	56253	56263	56272	56282
466.1	56301	56311	56321	56330	56340	56350	56359	56369	56379
466.2	56398	56408	56418	56427	56437	56447	56456	56466	56476
466.3	56495	56505	56515	56524	56534	56544	56553	56563	56573
466.4	56592	56602	56612	56621	56631	56641	56651	56660	56670
466.5	56690	56699	56709	56719	56728	56738	56748	56758	56767
466.6	56787	56797	56806	56816	56826	56836	56845	56855	56865
466.7	56884	56894	56904	56914	56923	56933	56943	56953	56962
466.8	56982	56992	57001	57011	57021	57031	57041	57050	57060
466.9	57080	57089	57099	57109	57119	57128	57138	57148	57158
467.0	57177	57187	57197	57207	57217	57226	57236	57246	57256
467.1	57275	57285	57295	57305	57315	57324	57334	57344	57354

467.2	57373	57383	57393	57403	57413	57422	57432	57442	57452
467.3	57471	57481	57491	57501	57511	57521	57530	57540	57550
467.4	57570	57580	57589	57599	57609	57619	57629	57639	57648
467.5	57668	57678	57688	57698	57708	57717	57727	57737	57747
467.6	57767	57777	57786	57796	57806	57816	57826	57836	57846
467.7	57865	57875	57885	57895	57905	57915	57925	57934	57944
467.8	57964	57974	57984	57994	58004	58013	58023	58033	58043
467.9	58063	58073	58083	58093	58103	58112	58122	58132	58142
468.0	58162	58172	58182	58192	58202	58211	58221	58231	58241
468.1	58261	58271	58281	58291	58301	58311	58321	58330	58340
468.2	58360	58370	58380	58390	58400	58410	58420	58430	58440
468.3	58460	58470	58480	58489	58499	58509	58519	58529	58539
468.4	58559	58569	58579	58589	58599	58609	58619	58629	58639
468.5	58659	58669	58679	58689	58699	58709	58719	58729	58738
468.6	58758	58768	58778	58788	58798	58808	58818	58828	58838
468.7	58858	58868	58878	58888	58898	58908	58918	58928	58938
468.8	58958	58968	58978	58988	58998	59008	59018	59028	59038
468.9	59058	59068	59078	59088	59098	59108	59119	59129	59139
469.0	59159	59169	59179	59189	59199	59209	59219	59229	59239
469.1	59259	59269	59279	59289	59299	59309	59319	59329	59339
469.2	59360	59370	59380	59390	59400	59410	59420	59430	59440
469.3	59460	59470	59480	59490	59500	59511	59521	59531	59541
469.4	59561	59571	59581	59591	59601	59611	59622	59632	59642
469.5	59662	59672	59682	59692	59702	59712	59722	59733	59743
469.6	59763	59773	59783	59793	59803	59813	59824	59834	59844
469.7	59864	59874	59884	59894	59905	59915	59925	59935	59945
469.8	59965	59975	59986	59996	60006	60016	60026	60036	60046
469.9	60067	60077	60087	60097	60107	60117	60128	60138	60148
470.0	60168	60178	60189	60199	60209	60219	60229	60239	60250
470.1	60270	60280	60290	60300	60311	60321	60331	60341	60351
470.2	60372	60382	60392	60402	60412	60423	60433	60443	60453
470.3	60473	60484	60494	60504	60514	60524	60535	60545	60555
470.4	60575	60586	60596	60606	60616	60627	60637	60647	60657
470.5	60678	60688	60698	60708	60718	60729	60739	60749	60759
470.6	60780	60790	60800	60811	60821	60831	60841	60851	60862
470.7	60882	60892	60903	60913	60923	60933	60944	60954	60964
470.8	60985	60995	61005	61015	61026	61036	61046	61056	61067
470.9	61087	61098	61108	61118	61128	61139	61149	61159	61169
471.0	61190	61200	61211	61221	61231	61241	61252	61262	61272
471.1	61293	61303	61313	61324	61334	61344	61355	61365	61375
471.2	61396	61406	61416	61427	61437	61447	61458	61468	61478
471.3	61499	61509	61520	61530	61540	61551	61561	61571	61582
471.4	61602	61613	61623	61633	61644	61654	61664	61675	61685
471.5	61706	61716	61726	61737	61747	61757	61768	61778	61788
471.6	61809	61819	61830	61840	61851	61861	61871	61882	61892
471.7	61913	61923	61933	61944	61954	61965	61975	61985	61996
471.8	62016	62027	62037	62048	62058	62068	62079	62089	62100

471.9	62120	62131	62141	62152	62162	62172	62183	62193	62204
472.0	62224	62235	62245	62256	62266	62276	62287	62297	62308
472.1	62328	62339	62349	62360	62370	62381	62391	62401	62412
472.2	62433	62443	62454	62464	62474	62485	62495	62506	62516
472.3	62537	62548	62558	62568	62579	62589	62600	62610	62621
472.4	62642	62652	62663	62673	62684	62694	62704	62715	62725
472.5	62746	62757	62767	62778	62788	62799	62809	62820	62830
472.6	62851	62862	62872	62883	62893	62904	62914	62925	62935
472.7	62956	62966	62977	62987	62998	63008	63019	63029	63040
472.8	63061	63072	63082	63093	63103	63114	63124	63135	63145
472.9	63166	63177	63187	63198	63208	63219	63229	63240	63250
473.0	63271	63282	63292	63303	63314	63324	63335	63345	63356
473.1	63377	63387	63398	63408	63419	63430	63440	63451	63461
473.2	63482	63493	63503	63514	63525	63535	63546	63556	63567
473.3	63588	63598	63609	63620	63630	63641	63651	63662	63672
473.4	63694	63704	63715	63725	63736	63747	63757	63768	63778
473.5	63800	63810	63821	63831	63842	63853	63863	63874	63884
473.6	63906	63916	63927	63937	63948	63959	63969	63980	63990
473.7	64012	64022	64033	64043	64054	64065	64075	64086	64097
473.8	64118	64128	64139	64150	64160	64171	64182	64192	64203
473.9	64224	64235	64245	64256	64267	64277	64288	64299	64309
474.0	64331	64341	64352	64363	64373	64384	64395	64405	64416
474.1	64437	64448	64459	64469	64480	64491	64501	64512	64523
474.2	64544	64555	64565	64576	64587	64598	64608	64619	64630
474.3	64651	64662	64672	64683	64694	64704	64715	64726	64737
474.4	64758	64769	64779	64790	64801	64812	64822	64833	64844
474.5	64865	64876	64887	64897	64908	64919	64929	64940	64951
474.6	64972	64983	64994	65005	65015	65026	65037	65048	65058
474.7	65080	65091	65101	65112	65123	65134	65144	65155	65166
474.8	65187	65198	65209	65220	65230	65241	65252	65263	65273
474.9	65295	65306	65317	65327	65338	65349	65360	65370	65381
475.0	65403	65414	65424	65435	65446	65457	65468	65478	65489
475.1	65511	65522	65532	65543	65554	65565	65576	65586	65597
475.2	65619	65630	65640	65651	65662	65673	65684	65694	65705
475.3	65727	65738	65749	65759	65770	65781	65792	65803	65814
475.4	65835	65846	65857	65868	65879	65889	65900	65911	65922
475.5	65944	65955	65965	65976	65987	65998	66009	66020	66031
475.6	66052	66063	66074	66085	66096	66107	66118	66128	66139
475.7	66161	66172	66183	66194	66205	66215	66226	66237	66248
475.8	66270	66281	66292	66303	66313	66324	66335	66346	66357
475.9	66379	66390	66401	66412	66422	66433	66444	66455	66466
476.0	66488	66499	66510	66521	66532	66543	66554	66564	66575
476.1	66597	66608	66619	66630	66641	66652	66663	66674	66685
476.2	66707	66718	66728	66739	66750	66761	66772	66783	66794
476.3	66816	66827	66838	66849	66860	66871	66882	66893	66904
476.4	66926	66937	66948	66959	66970	66981	66992	67003	67014
476.5	67036	67047	67058	67069	67080	67091	67102	67113	67124

476.6	67146	67157	67168	67179	67190	67201	67212	67223	67234
476.7	67256	67267	67278	67289	67300	67311	67322	67333	67344
476.8	67366	67377	67388	67399	67410	67421	67432	67443	67454
476.9	67476	67487	67498	67509	67520	67532	67543	67554	67565
477.0	67587	67598	67609	67620	67631	67642	67653	67664	67675
477.1	67698	67709	67720	67731	67742	67753	67764	67775	67786
477.2	67808	67819	67831	67842	67853	67864	67875	67886	67897
477.3	67919	67931	67942	67953	67964	67975	67986	67997	68008
477.4	68031	68042	68053	68064	68075	68086	68098	68109	68120
477.5	68142	68153	68164	68176	68187	68198	68209	68220	68232
477.6	68254	68265	68276	68287	68299	68310	68321	68332	68343
477.7	68366	68377	68388	68399	68411	68422	68433	68444	68456
477.8	68478	68489	68501	68512	68523	68534	68546	68557	68568
477.9	68591	68602	68613	68624	68636	68647	68658	68670	68681
478.0	68703	68715	68726	68737	68749	68760	68771	68783	68794
478.1	68816	68828	68839	68850	68862	68873	68884	68896	68907
478.2	68930	68941	68952	68964	68975	68986	68998	69009	69020
478.3	69043	69054	69066	69077	69088	69100	69111	69123	69134
478.4	69157	69168	69179	69191	69202	69214	69225	69236	69248
478.5	69270	69282	69293	69305	69316	69327	69339	69350	69362
478.6	69384	69396	69407	69419	69430	69441	69453	69464	69476
478.7	69498	69510	69521	69533	69544	69555	69567	69578	69590
478.8	69613	69624	69635	69647	69658	69670	69681	69693	69704
478.9	69727	69738	69750	69761	69773	69784	69796	69807	69819
479.0	69842	69853	69864	69876	69887	69899	69910	69922	69933
479.1	69956	69968	69979	69991	70002	70014	70025	70036	70048
479.2	70071	70082	70094	70105	70117	70128	70140	70151	70163
479.3	70186	70197	70209	70220	70232	70243	70255	70266	70278
479.4	70301	70312	70324	70336	70347	70359	70370	70382	70393
479.5	70416	70428	70439	70451	70462	70474	70485	70497	70509
479.6	70532	70543	70555	70566	70578	70589	70601	70612	70624
479.7	70647	70659	70670	70682	70693	70705	70717	70728	70740
479.8	70763	70774	70786	70798	70809	70821	70832	70844	70855
479.9	70878	70890	70902	70913	70925	70936	70948	70960	70971
480.0	70994	71006	71018	71029	71041	71052	71064	71076	71087
480.1	71110	71122	71134	71145	71157	71168	71180	71192	71203
480.2	71227	71238	71250	71261	71273	71285	71296	71308	71320
480.3	71343	71355	71366	71378	71389	71401	71413	71424	71436
480.4	71459	71471	71483	71494	71506	71518	71529	71541	71553
480.5	71576	71588	71599	71611	71623	71634	71646	71658	71669
480.6	71693	71704	71716	71728	71739	71751	71763	71774	71786
480.7	71809	71821	71833	71845	71856	71868	71880	71891	71903
480.8	71926	71938	71950	71962	71973	71985	71997	72008	72020
480.9	72044	72055	72067	72079	72090	72102	72114	72126	72137
481.0	72161	72173	72184	72196	72208	72220	72231	72243	72255
481.1	72278	72290	72302	72313	72325	72337	72349	72360	72372
481.2	72396	72407	72419	72431	72443	72455	72466	72478	72490

481.3	72513	72525	72537	72549	72560	72572	72584	72596	72608
481.4	72631	72643	72655	72667	72678	72690	72702	72714	72726
481.5	72749	72761	72773	72785	72796	72808	72820	72832	72844
481.6	72867	72879	72891	72903	72914	72926	72938	72950	72962
481.7	72985	72997	73009	73021	73033	73044	73056	73068	73080
481.8	73104	73115	73127	73139	73151	73163	73175	73187	73198
481.9	73222	73234	73246	73258	73270	73281	73293	73305	73317
482.0	73341	73353	73364	73376	73388	73400	73412	73424	73436
482.1	73459	73471	73483	73495	73507	73519	73531	73543	73554
482.2	73578	73590	73602	73614	73626	73638	73650	73661	73673
482.3	73697	73709	73721	73733	73745	73757	73769	73781	73792
482.4	73816	73828	73840	73852	73864	73876	73888	73900	73912
482.5	73936	73947	73959	73971	73983	73995	74007	74019	74031
482.6	74055	74067	74079	74091	74103	74115	74127	74139	74150
482.7	74174	74186	74198	74210	74222	74234	74246	74258	74270
482.8	74294	74306	74318	74330	74342	74354	74366	74378	74390
482.9	74414	74426	74438	74450	74462	74474	74486	74498	74510
483.0	74534	74546	74558	74570	74582	74594	74606	74618	74630
483.1	74654	74666	74678	74690	74702	74714	74726	74738	74750
483.2	74774	74786	74798	74810	74822	74834	74846	74858	74870
483.3	74894	74906	74918	74930	74942	74954	74966	74978	74990
483.4	75014	75026	75038	75050	75063	75075	75087	75099	75111
483.5	75135	75147	75159	75171	75183	75195	75207	75219	75231
483.6	75255	75268	75280	75292	75304	75316	75328	75340	75352
483.7	75376	75388	75400	75412	75425	75437	75449	75461	75473
483.8	75497	75509	75521	75533	75545	75558	75570	75582	75594
483.9	75618	75630	75642	75654	75667	75679	75691	75703	75715
484.0	75739	75751	75764	75776	75788	75800	75812	75824	75836
484.1	75861	75873	75885	75897	75909	75921	75933	75945	75958
484.2	75982	75994	76006	76018	76031	76043	76055	76067	76079
484.3	76103	76116	76128	76140	76152	76164	76176	76189	76201
484.4	76225	76237	76249	76262	76274	76286	76298	76310	76323
484.5	76347	76359	76371	76383	76396	76408	76420	76432	76444
484.6	76469	76481	76493	76505	76518	76530	76542	76554	76566
484.7	76591	76603	76615	76627	76640	76652	76664	76676	76689
484.8	76713	76725	76737	76750	76762	76774	76786	76799	76811
484.9	76835	76848	76860	76872	76884	76896	76909	76921	76933
485.0	76958	76970	76982	76994	77007	77019	77031	77043	77056
485.1	77080	77093	77105	77117	77129	77142	77154	77166	77178
485.2	77203	77215	77227	77240	77252	77264	77277	77289	77301
485.3	77326	77338	77350	77363	77375	77387	77399	77412	77424
485.4	77449	77461	77473	77486	77498	77510	77522	77535	77547
485.5	77572	77584	77596	77609	77621	77633	77646	77658	77670
485.6	77695	77707	77719	77732	77744	77756	77769	77781	77793
485.7	77818	77830	77843	77855	77867	77880	77892	77905	77917
485.8	77942	77954	77966	77979	77991	78003	78016	78028	78040
485.9	78065	78077	78090	78102	78115	78127	78139	78152	78164

486.0	78189	78201	78214	78226	78238	78251	78263	78276	78288
486.1	78313	78325	78337	78350	78362	78375	78387	78399	78412
486.2	78437	78449	78461	78474	78486	78499	78511	78523	78536
486.3	78561	78573	78586	78598	78610	78623	78635	78648	78660
486.4	78685	78697	78710	78722	78735	78747	78759	78772	78784
486.5	78809	78822	78834	78847	78859	78871	78884	78896	78909
486.6	78934	78946	78959	78971	78984	78996	79008	79021	79033
486.7	79058	79071	79083	79096	79108	79121	79133	79146	79158
486.8	79183	79196	79208	79220	79233	79245	79258	79270	79283
486.9	79308	79320	79333	79345	79358	79370	79383	79395	79408
487.0	79433	79445	79458	79470	79483	79496	79508	79521	79533
487.1	79558	79571	79583	79596	79608	79621	79633	79646	79658
487.2	79683	79696	79709	79721	79734	79746	79759	79771	79784
487.3	79809	79821	79834	79847	79859	79872	79884	79897	79909
487.4	79934	79947	79960	79972	79985	79997	80010	80023	80035
487.5	80060	80073	80085	80098	80111	80123	80136	80148	80161
487.6	80186	80199	80211	80224	80237	80249	80262	80274	80287
487.7	80312	80325	80337	80350	80363	80375	80388	80401	80413
487.8	80438	80451	80464	80476	80489	80502	80514	80527	80540
487.9	80565	80578	80590	80603	80615	80628	80641	80653	80666
488.0	80691	80704	80717	80729	80742	80755	80767	80780	80793
488.1	80818	80831	80843	80856	80869	80881	80894	80907	80920
488.2	80945	80958	80970	80983	80996	81008	81021	81034	81047
488.3	81072	81085	81097	81110	81123	81136	81148	81161	81174
488.4	81199	81212	81225	81237	81250	81263	81276	81288	81301
488.5	81326	81339	81352	81365	81377	81390	81403	81416	81428
488.6	81454	81467	81479	81492	81505	81518	81531	81543	81556
488.7	81582	81594	81607	81620	81633	81646	81658	81671	81684
488.8	81709	81722	81735	81748	81761	81773	81786	81799	81812
488.9	81837	81850	81863	81876	81889	81902	81914	81927	81940
489.0	81966	81978	81991	82004	82017	82030	82043	82055	82068
489.1	82094	82107	82120	82132	82145	82158	82171	82184	82197
489.2	82222	82235	82248	82261	82274	82287	82300	82312	82325
489.3	82351	82364	82377	82390	82403	82416	82428	82441	82454
489.4	82480	82493	82506	82519	82532	82544	82557	82570	82583
489.5	82609	82622	82635	82648	82661	82674	82687	82699	82712
489.6	82738	82751	82764	82777	82790	82803	82816	82829	82842
489.7	82868	82881	82893	82906	82919	82932	82945	82958	82971
489.8	82997	83010	83023	83036	83049	83062	83075	83088	83101
489.9	83127	83140	83153	83166	83179	83192	83205	83218	83231
490.0	83257	83270	83283	83296	83309	83322	83335	83348	83361
490.1	83387	83400	83413	83426	83439	83452	83465	83478	83491
490.2	83517	83530	83544	83557	83570	83583	83596	83609	83622
490.3	83648	83661	83674	83687	83700	83713	83726	83740	83753
490.4	83779	83792	83805	83818	83831	83844	83857	83871	83884
490.5	83910	83923	83936	83949	83962	83975	83989	84002	84015
490.6	84041	84054	84067	84081	84094	84107	84120	84133	84146

490.7	84173	84186	84199	84212	84225	84239	84252	84265	84278
490.8	84304	84318	84331	84344	84357	84371	84384	84397	84410
490.9	84437	84450	84463	84476	84490	84503	84516	84529	84543
491.0	84569	84582	84596	84609	84622	84636	84649	84662	84676
491.1	84702	84715	84729	84742	84755	84769	84782	84796	84809
491.2	84836	84849	84862	84876	84889	84903	84916	84929	84943
491.3	84969	84983	84996	85010	85023	85037	85050	85063	85077
491.4	85104	85117	85131	85144	85158	85171	85185	85198	85211
491.5	85238	85252	85265	85279	85292	85306	85319	85333	85346
491.6	85373	85387	85400	85414	85427	85441	85454	85468	85481
491.7	85508	85522	85536	85549	85563	85576	85590	85603	85617
491.8	85644	85658	85671	85685	85698	85712	85725	85739	85753
491.9	85780	85793	85807	85821	85834	85848	85861	85875	85889
492.0	85916	85930	85943	85957	85970	85984	85998	86011	86025
492.1	86052	86066	86080	86093	86107	86120	86134	86148	86161
492.2	86189	86202	86216	86230	86243	86257	86271	86285	86298
492.3	86326	86339	86353	86367	86381	86394	86408	86422	86435
492.4	86463	86477	86490	86504	86518	86532	86545	86559	86573
492.5	86600	86614	86628	86642	86655	86669	86683	86697	86711
492.6	86738	86752	86766	86779	86793	86807	86821	86835	86848
492.7	86876	86890	86904	86917	86931	86945	86959	86973	86987
492.8	87014	87028	87042	87056	87070	87084	87097	87111	87125
492.9	87153	87167	87181	87194	87208	87222	87236	87250	87264
493.0	87292	87305	87319	87333	87347	87361	87375	87389	87403
493.1	87431	87445	87458	87472	87486	87500	87514	87528	87542
493.2	87570	87584	87598	87612	87626	87640	87654	87668	87682
493.3	87709	87723	87737	87751	87765	87779	87793	87807	87821
493.4	87849	87863	87877	87891	87905	87919	87933	87947	87961
493.5	87989	88003	88017	88031	88045	88059	88073	88087	88102
493.6	88130	88144	88158	88172	88186	88200	88214	88228	88242
493.7	88270	88284	88298	88312	88326	88340	88355	88369	88383
493.8	88411	88425	88439	88453	88467	88481	88495	88510	88524
493.9	88552	88566	88580	88594	88608	88622	88637	88651	88665
494.0	88693	88707	88721	88736	88750	88764	88778	88792	88806
494.1	88835	88849	88863	88877	88891	88905	88919	88934	88948
494.2	88976	88990	89005	89019	89033	89047	89061	89075	89090
494.3	89118	89132	89146	89161	89175	89189	89203	89217	89232
494.4	89260	89274	89288	89303	89317	89331	89345	89360	89374
494.5	89402	89417	89431	89445	89459	89473	89488	89502	89516
494.6	89545	89559	89573	89587	89602	89616	89630	89644	89659
494.7	89687	89702	89716	89730	89744	89759	89773	89787	89801
494.8	89830	89844	89859	89873	89887	89902	89916	89930	89944
494.9	89973	89987	90002	90016	90030	90045	90059	90073	90088
495.0	90116	90131	90145	90159	90174	90188	90202	90217	90231
495.1	90260	90274	90288	90303	90317	90331	90346	90360	90374
495.2	90403	90417	90432	90446	90461	90475	90489	90504	90518
495.3	90547	90561	90576	90590	90604	90619	90633	90648	90662

495.4	90691	90705	90720	90734	90749	90763	90777	90792	90806
495.5	90835	90849	90864	90878	90893	90907	90922	90936	90951
495.6	90979	90994	91008	91023	91037	91052	91066	91081	91095
495.7	91124	91139	91153	91168	91182	91196	91211	91225	91240
495.8	91269	91283	91298	91312	91327	91341	91356	91370	91385
495.9	91414	91428	91443	91457	91472	91487	91501	91516	91530
496.0	91559	91574	91588	91603	91617	91632	91646	91661	91675
496.1	91704	91719	91734	91748	91763	91777	91792	91806	91821
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496.3	91996	92010	92025	92040	92054	92069	92083	92098	92113
496.4	92142	92156	92171	92186	92200	92215	92229	92244	92259
496.5	92288	92302	92317	92332	92346	92361	92376	92390	92405
496.6	92434	92449	92463	92478	92493	92507	92522	92537	92551
496.7	92581	92595	92610	92625	92639	92654	92669	92683	92698
496.8	92727	92742	92757	92771	92786	92801	92815	92830	92845
496.9	92874	92889	92904	92918	92933	92948	92962	92977	92992
497.0	93021	93036	93051	93065	93080	93095	93110	93124	93139
497.1	93168	93183	93198	93213	93227	93242	93257	93272	93286
497.2	93316	93331	93345	93360	93375	93390	93404	93419	93434
497.3	93463	93478	93493	93508	93523	93537	93552	93567	93582
497.4	93611	93626	93641	93656	93670	93685	93700	93715	93730
497.5	93759	93774	93789	93804	93818	93833	93848	93863	93878
497.6	93907	93922	93937	93952	93967	93981	93996	94011	94026
497.7	94056	94070	94085	94100	94115	94130	94145	94160	94174
497.8	94204	94219	94234	94249	94264	94278	94293	94308	94323
497.9	94353	94368	94383	94397	94412	94427	94442	94457	94472
498.0	94502	94517	94531	94546	94561	94576	94591	94606	94621
498.1	94651	94666	94681	94695	94710	94725	94740	94755	94770
498.2	94800	94815	94830	94845	94860	94875	94890	94904	94919
498.3	94949	94964	94979	94994	95009	95024	95039	95054	95069
498.4	95099	95114	95129	95144	95159	95174	95189	95204	95219
498.5	95249	95264	95279	95294	95309	95324	95339	95354	95369
498.6	95399	95414	95429	95444	95459	95474	95489	95504	95519
498.7	95549	95564	95579	95594	95609	95624	95639	95654	95669
498.8	95699	95714	95729	95744	95759	95774	95789	95804	95819
498.9	95849	95865	95880	95895	95910	95925	95940	95955	95970
499.0	96000	96015	96030	96045	96061	96076	96091	96106	96121
499.1	96151	96166	96181	96196	96211	96227	96242	96257	96272
499.2	96302	96317	96332	96347	96363	96378	96393	96408	96423
499.3	96453	96468	96484	96499	96514	96529	96544	96559	96574
499.4	96605	96620	96635	96650	96665	96680	96696	96711	96726
499.5	96756	96771	96787	96802	96817	96832	96847	96863	96878
499.6	96908	96923	96938	96954	96969	96984	96999	97014	97030
499.7	97060	97075	97090	97106	97121	97136	97151	97167	97182
499.8	97212	97227	97243	97258	97273	97288	97304	97319	97334
499.9	97364	97380	97395	97410	97425	97441	97456	97471	97487
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500.1	97670	97685	97700	97716	97731	97746	97761	97777	97792
500.2	97823	97838	97853	97868	97884	97899	97914	97930	97945
500.3	97976	97991	98006	98022	98037	98052	98068	98083	98098
500.4	98129	98144	98160	98175	98190	98206	98221	98236	98252
500.5	98282	98298	98313	98328	98344	98359	98374	98390	98405
500.6	98436	98451	98467	98482	98497	98513	98528	98543	98559
500.7	98590	98605	98620	98636	98651	98667	98682	98697	98713
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501.0	99052	99067	99083	99098	99114	99129	99145	99160	99176
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501.2	99361	99377	99392	99408	99423	99439	99454	99470	99485
501.3	99516	99532	99547	99563	99578	99594	99609	99625	99640
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501.5	99826	99842	99857	99873	99888	99904	99920	99935	99951
501.6	99982	99997	100013	100028	100044	100059	100075	100090	100106
501.7	100137	100153	100168	100184	100199	100215	100231	100246	100262
501.8	100293	100308	100324	100340	100355	100371	100386	100402	100418
501.9	100449	100464	100480	100496	100511	100527	100542	100558	100574
502.0	100605	100620	100636	100652	100667	100683	100699	100714	100730
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502.2	100917	100933	100949	100964	100980	100996	101011	101027	101043
502.3	101074	101090	101105	101121	101137	101152	101168	101184	101199
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502.5	101388	101403	101419	101435	101451	101466	101482	101498	101513
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502.7	101702	101718	101734	101749	101765	101781	101797	101812	101828
502.8	101860	101875	101891	101907	101923	101938	101954	101970	101986
502.9	102017	102033	102049	102065	102080	102096	102112	102128	102143
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503.2	102491	102507	102523	102539	102554	102570	102586	102602	102618
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503.4	102808	102824	102840	102856	102871	102887	102903	102919	102935
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503.8	103444	103460	103476	103492	103508	103524	103539	103555	103571
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505.3	105854	105870	105886	105902	105919	105935	105951	105967	105984
505.4	106016	106032	106048	106065	106081	106097	106113	106130	106146
505.5	106178	106194	106211	106227	106243	106259	106276	106292	106308
505.6	106341	106357	106373	106389	106406	106422	106438	106454	106471
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506.7	108139	108155	108172	108188	108205	108221	108238	108254	108271
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507.1	108798	108815	108831	108848	108865	108881	108898	108914	108931
507.2	108964	108980	108997	109013	109030	109046	109063	109079	109096
507.3	109129	109146	109162	109179	109195	109212	109228	109245	109262
507.4	109295	109311	109328	109344	109361	109378	109394	109411	109427
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507.6	109627	109643	109660	109676	109693	109710	109726	109743	109759
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507.9	110125	110142	110159	110175	110192	110209	110225	110242	110259
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508.3	110793	110810	110826	110843	110860	110877	110893	110910	110927
508.4	110960	110977	110994	111011	111027	111044	111061	111078	111094
508.5	111128	111145	111161	111178	111195	111212	111228	111245	111262
508.6	111295	111312	111329	111346	111363	111379	111396	111413	111430
508.7	111463	111480	111497	111514	111530	111547	111564	111581	111598
508.8	111631	111648	111665	111682	111698	111715	111732	111749	111766
508.9	111799	111816	111833	111850	111867	111883	111900	111917	111934
509.0	111968	111984	112001	112018	112035	112052	112069	112086	112102
509.1	112136	112153	112170	112187	112204	112220	112237	112254	112271
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509.4	112642	112659	112676	112693	112710	112727	112744	112761	112778

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509.7	113150	113167	113184	113201	113218	113235	113252	113269	113286
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510.6	114683	114700	114717	114734	114751	114768	114785	114802	114819
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510.8	115025	115042	115059	115076	115093	115111	115128	115145	115162
510.9	115196	115213	115231	115248	115265	115282	115299	115316	115333
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511.3	115883	115901	115918	115935	115952	115969	115987	116004	116021
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530.8	152586	152606	152626	152647	152667	152688	152708	152729	152749
530.9	152790	152810	152831	152851	152872	152892	152913	152933	152954
531.0	152995	153015	153036	153056	153077	153097	153117	153138	153158
531.1	153199	153220	153240	153261	153281	153302	153322	153343	153363
531.2	153404	153425	153445	153466	153486	153507	153527	153548	153569
531.3	153610	153630	153651	153671	153692	153712	153733	153753	153774
531.4	153815	153835	153856	153876	153897	153918	153938	153959	153979
531.5	154020	154041	154061	154082	154103	154123	154144	154164	154185
531.6	154226	154247	154267	154288	154308	154329	154349	154370	154391
531.7	154432	154452	154473	154494	154514	154535	154555	154576	154597
531.8	154638	154658	154679	154700	154720	154741	154762	154782	154803
531.9	154844	154865	154885	154906	154926	154947	154968	154988	155009
532.0	155050	155071	155092	155112	155133	155154	155174	155195	155216
532.1	155257	155277	155298	155319	155339	155360	155381	155401	155422
532.2	155463	155484	155505	155526	155546	155567	155588	155608	155629
532.3	155670	155691	155712	155732	155753	155774	155795	155815	155836
532.4	155877	155898	155919	155939	155960	155981	156002	156022	156043
532.5	156084	156105	156126	156147	156167	156188	156209	156230	156250
532.6	156292	156313	156333	156354	156375	156396	156416	156437	156458
532.7	156499	156520	156541	156562	156582	156603	156624	156645	156665
532.8	156707	156728	156749	156769	156790	156811	156832	156852	156873
532.9	156915	156936	156956	156977	156998	157019	157040	157060	157081

533.0	157123	157144	157164	157185	157206	157227	157248	157268	157289
533.1	157331	157352	157373	157393	157414	157435	157456	157477	157498
533.2	157539	157560	157581	157602	157623	157643	157664	157685	157706
533.3	157748	157769	157789	157810	157831	157852	157873	157894	157915
533.4	157956	157977	157998	158019	158040	158061	158082	158102	158123
533.5	158165	158186	158207	158228	158249	158270	158290	158311	158332
533.6	158374	158395	158416	158437	158458	158479	158500	158520	158541
533.7	158583	158604	158625	158646	158667	158688	158709	158730	158751
533.8	158793	158814	158834	158855	158876	158897	158918	158939	158960
533.9	159002	159023	159044	159065	159086	159107	159128	159149	159170
534.0	159212	159233	159254	159275	159296	159316	159337	159358	159379
534.1	159421	159442	159463	159484	159505	159526	159547	159568	159589
534.2	159631	159652	159673	159694	159715	159736	159757	159778	159799
534.3	159842	159863	159884	159905	159926	159947	159968	159989	160010
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535.0	161317	161338	161359	161380	161401	161423	161444	161465	161486
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535.2	161740	161761	161782	161803	161825	161846	161867	161888	161909
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535.5	162376	162397	162418	162439	162461	162482	162503	162524	162546
535.6	162588	162609	162630	162652	162673	162694	162715	162737	162758
535.7	162800	162822	162843	162864	162885	162907	162928	162949	162971
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535.9	163226	163247	163268	163290	163311	163332	163354	163375	163396
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536.2	163865	163886	163908	163929	163951	163972	163993	164015	164036
536.3	164079	164100	164121	164143	164164	164185	164207	164228	164249
536.4	164292	164314	164335	164356	164378	164399	164420	164442	164463
536.5	164506	164527	164549	164570	164592	164613	164634	164656	164677
536.6	164720	164741	164763	164784	164806	164827	164848	164870	164891
536.7	164934	164956	164977	164998	165020	165041	165063	165084	165106
536.8	165148	165170	165191	165213	165234	165256	165277	165299	165320
536.9	165363	165384	165406	165427	165449	165470	165492	165513	165535
537.0	165578	165599	165621	165642	165664	165685	165706	165728	165749
537.1	165792	165814	165835	165857	165878	165900	165921	165943	165964
537.2	166007	166029	166050	166072	166093	166115	166137	166158	166180
537.3	166223	166244	166266	166287	166309	166330	166352	166373	166395
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537.5	166653	166675	166697	166718	166740	166761	166783	166804	166826
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537.7	167085	167107	167128	167150	167171	167193	167215	167236	167258
537.8	167301	167323	167344	167366	167388	167409	167431	167452	167474
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538.7	169253	169275	169297	169318	169340	169362	169384	169405	169427
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541.4	175191	175214	175236	175258	175280	175303	175325	175347	175369
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541.6	175636	175659	175681	175703	175726	175748	175770	175792	175815
541.7	175859	175882	175904	175926	175948	175971	175993	176015	176038
541.8	176082	176105	176127	176149	176172	176194	176216	176238	176261
541.9	176305	176328	176350	176372	176395	176417	176439	176462	176484
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542.1	176752	176775	176797	176820	176842	176864	176887	176909	176931
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542.8	178323	178345	178368	178390	178413	178435	178458	178480	178503
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543.0	178773	178795	178818	178840	178863	178886	178908	178931	178953
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546.2	186078	186102	186125	186148	186171	186194	186217	186240	186263
546.3	186310	186333	186356	186379	186402	186425	186448	186472	186495
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546.7	187236	187259	187282	187305	187329	187352	187375	187398	187421
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547.0	187932	187955	187979	188002	188025	188048	188072	188095	188118

547.1	188165	188188	188211	188234	188258	188281	188304	188327	188351
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547.4	188863	188886	188909	188933	188956	188979	189003	189026	189049
547.5	189096	189119	189142	189166	189189	189212	189236	189259	189282
547.6	189329	189352	189376	189399	189422	189446	189469	189492	189516
547.7	189562	189586	189609	189632	189656	189679	189703	189726	189749
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CASITAS MUNICIPAL WATER DISTRICT

Interdepartmental Memo

DATE: September 8, 2017

TO: Steve Wickstrum, General Manager

FROM: Carol Belser, Park Services Manager

SUBJECT: **Resolution for an Application for State of California Department of Parks and Recreation, Division of Boating and Waterways Quagga and Zebra Mussel Infestation Prevention Grant Program “Quagga and Zebra Mussel Infestation Prevention and Strategic Public Outreach and Education”**

RECOMMENDATION

It is recommended that the Board of Directors adopt the attached resolution and direct staff to secure a grant from the State of California, Department of Parks and Recreation, Division of Boating and Waterways to support Quagga and Zebra Mussel infestation prevention.

BACKGROUND AND OVERVIEW

The California Department of Parks and Recreation, Division of Boating and Waterways has launched a grant opportunity to support reservoirs in California that are not infested with Quagga and Zebra mussel with grant funds to prevent infestation through education, monitoring and management of recreational activities in reservoirs. The grant outlines eligible projects. Agencies must meet the requirement that a vulnerability assessment has been completed. Casitas met this requirement with the assistance of a previous \$40,000 grant awarded to Casitas in 2015.

This grant has been approved by the State and will provide funding to support our public education and outreach efforts through September 2019. The \$89,380.30 from the grant will offset the cost of staff and materials. It will provide assistance for Casitas to have a strategic, visible, planned presence in the community for public education for the prevention of quagga and zebra mussel infestation.

The resolution is administrative in nature. It empowers staff to move forward with signing the grant agreement with the State but does not obligate Casitas to accept the grant. If Casitas proceeds with the project the State funds will enable Casitas to develop a high profile program in our community for the prevention of quagga and zebra mussels.

Attachment

CASITAS MUNICIPAL WATER DISTRICT

RESOLUTION NO.

**Quagga/Zebra Mussel Infestation Prevention Fee Grant Program
Application and Funding Agreement Resolution**

WHEREAS, prior to the State of California Parks and Recreation, Division of Boating and Waterways approving an Application and executing a Funding Agreement, said Casitas Municipal Water District's Board of Directors is required to pass a resolution, authorizing a designated representative(s) to execute said Application, Funding Agreement, amendments, and certifications, designating a representative to approve claims for reimbursement, designating a representative to sign the Funding Request and Project Status, designating a representative to sign Project Completion Certification, and designating a representative to sign the Contractor's Release Form; and

WHEREAS, the Casitas Municipal Water District has the authority to construct, operate, and maintain the Santa Ana Launch Ramp and Marina, and the Coyote Launch Ramp; and make an application to the State of California Parks and Recreation, Division of Boating and Waterways for grant funding in the amount of \$89,380.30 under the Harbors and Watercraft Revolving Fund for the Quagga and Zebra Mussel Infestation Prevention Grant Program; and

WHEREAS, the Casitas Municipal Water District desires to implement a Lake Casitas Quagga and Zebra Mussel Infestation Prevention Strategic Public Outreach and Education program for the prevention of an infestation of the quagga and zebra mussel; and

WHEREAS, by the Casitas Municipal Water District's accepted application and Board of Director will adopt a project budget totaling \$89,380.30; and

WHEREAS, by the Casitas Municipal Water District that, pursuant and subject to all of the terms and provisions of the Harbors and Watercraft Revolving Fund program, application be made to the State of California Parks and Recreation, Division of Boating and Waterways for funding.

NOW THEREFORE BE IT RESOLVED that the General Manager of said Casitas Municipal Water District is hereby authorized and directed to cause the necessary data to be prepared and application to be signed and filed with the State of California Parks and Recreation, Division of Boating and Waterways; and

BE IT FURTHER RESOLVED, that the General Manager is hereby authorized to sign the State of California Parks and Recreation, Division of Boating and Waterways, Harbors and Watercraft Revolving Fund program Funding Agreement and any amendments thereto; and

BE IT FURTHER RESOLVED, that the Park Services Manager is hereby authorized to approve Claims for Reimbursement under the State of California Parks and Recreation, Division of Boating and Waterways, Harbors and Watercraft Revolving Fund program; and

BE IT FURTHER RESOLVED, that the Park Services Manager is hereby authorized to execute the Budget and Expenditure Summary for the State of California Parks and Recreation, Division of Boating and Waterways, Harbors and Watercraft Revolving Fund program; and

BE IT FURTHER RESOLVED, that the Park Services Manager is hereby authorized to sign the Contractor's Release Form for the State of California Parks and Recreation, Division of Boating and Waterways, Harbors and Watercraft Revolving Fund project; and

BE IT FURTHER RESOLVED, that the Park Services is hereby authorized to certify that the project is complete and ready for final inspection.

Passed and adopted at a regular meeting of the Casitas Municipal Water District Board of Directors on the 13th day of September 2017.

Russ Baggerly, President
Casitas Municipal Water District

ATTEST:

Bill Hicks, Secretary
Casitas Municipal Water District



Quagga Mussel Ad Hoc Committee

To: CMWD Board of Directors

From: Quagga Mussel Ad Hoc Committee (Pete Kaiser – Russ Baggerly)

Date: September 13, 2017

Subject: Report to the Board of Directors and Recommendations for Action.

As you are already aware, the United Water Conservation District (UWCD) began a significant release of water from Lake Piru (on May 28 2017) and had reported that this was being done in an attempt to provide groundwater for water wells in the El Rio area that were having water quality problems. For reference, the release of water was begun on May 28 even though it was known since December, 2013 that Lake Piru had been infested with Quagga Mussels.

UWCD invited CMWD to a meeting at the base of Santa Felicia Dam for a briefing about the water release on June 2, 2017. UWCD stated at that time that their investigations into water velocity induced shearing (damage) to Quagga Mussels and larvae revealed that the mussels would not likely survive the velocity or turbulence of the release. CMWD staff has been trying to obtain information from UWCD about any scientific studies related to Quagga Mussel mortality as related to water velocity and turbulence but as of yet no information had been forthcoming from UWCD.

Our General Manager, Steve Wickstrum, has had conversations with UWCD's General Manager, Mauricio Guardado, about the issue of Quagga Mussel survivability and a letter was previously sent June 9, 2017 to UWCD's Board President Bruce Dandy, but no response has been received to date.

On August 23, 2017, UWCD reported to the California *Department of Fish and Wildlife* that Quagga Mussels had been discovered in the Santa Clara River. UWCD reportedly investigated six sites on the Santa Clara River and adult Quagga Mussels were found at least two of them including one site at the Torrey Road Bridge and, also, one more site at the 12th Street Bridge in Santa Paula.

On August 29, UWCD finally informed CMWD that Quagga Mussels had been discovered in the Santa Clara River unfortunately six days after the CDFW report was filed!

On August 30, 2017 CMWD authorized *AtoZ Law* to draft and send a *Public Records Act Request* to UWCD to obtain any information and documents about Quagga Mussels it had acquired or transmitted since January 1, 2012.

For reference, 13 weeks had passed since 10,000 acre feet of water were released from infested Lake Piru and adult Quagga Mussels were subsequently found downstream (as reported above).

The Quagga Mussel Ad Hoc Committee met on September 5, 2017 to review information concerning the discovery of Quagga Mussels in the Santa Clara River. The committee agreed that our defensive measures must be improved and strengthened to help protect Lake Casitas and dependant water treatment and distribution facilities from infestation.

Recommendations for consideration by the Board of Directors:

1. Based upon the threats imposed by migrating Quagga Mussels toward the District, Lake Casitas and its water treatment and distribution facilities, the Quagga Mussel Ad Hoc Committee should become a standing committee of the Board and meet at least once per month until further notice.
2. Recommend that the Board of Directors set a six week date for the completion of the **CMWD Quagga Mussel Rapid Response Plan** with a report made to the Board no later than October 25, 2017.
3. Recommend that the Committee review United's responses to the *Public Records Act Request (PRA)* made by CMWD on August 30, 2017 and have the Committee report the findings to the Board.
4. Based on the information received from the *PRA*, the Committee could recommend to the Board of Directors which defensive actions should be taken to defend CMWD against the movement of Quagga Mussels in both the Santa Clara and the Ventura Rivers.
5. Invite a contingent from UWCD to meet with the Quagga Mussel Ad Hoc Committee so that collaborative efforts can be entertained by both agencies to effectively eliminate this invasive species from the nearby Santa Clara River Watershed.
6. Work with UWCD to expedite state and federal agency support and/or approvals for actions necessary to successfully eliminate Quagga Mussels in a timely manner.

**CASITAS MUNICIPAL WATER DISTRICT
INTEROFFICE MEMORANDUM**

TO: STEVE WICKSTRUM, GENERAL MANAGER
FROM: NEIL COLE, PRINCIPAL CIVIL ENGINEER
SUBJECT: AUTHORIZE THE GENERAL MANAGER TO SIGN CHANGE ORDER 1-OJAI
METER REPLACEMENT-SPECIFICATION 17-394
DATE: AUGUST 31, 2017

RECOMMENDATION:

It is recommended that the Board of Directors approve Change Order 1 and authorize the General Manager to sign Change Order 1 in an amount of \$26,339.16 for additional work on the Ojai Water Meter Replacement project, Specification 17-394.

BACKGROUND AND DISCUSSION:

The Board awarded a contract to Spiniello Companies to replace the water meters within the Ojai service area at the June 14, 2017 meeting. The project has gone well. As anticipated, not all of the meter replacements have been a straight forward replacement. Some meters have required additional coordination and scheduling to minimize impacts on water customers. Other meters have been deeper and buried in soil requiring additional work to replace the meters.

The original contract amount is \$849,500. Change Order 1 represents a 3 percent increase in the total contract. Funding for this Change Order will be from the Community Facilities District 2013-01 (Ojai) bond proceeds.

CASITAS MUNICIPAL WATER DISTRICT
CHANGE ORDER NO. 1

DATE: August 31, 2017

PROJECT: Water Meter Replacement Project Specification No. 17-394
CONTRACTOR: Spiniello Companies
ADDRESS: 354 Eisenhower Parkway Plaza 1, Livingston, NJ 07039

ITEM	DESCRIPTION OF WORK	UNIT PRICE	TOTAL
1	Additional time for special requests/schedules	LS	2,245.98
2	Extra time to notify customers-1" meter and smaller	LS	3,266.87
3	Extra time to notify customers-Larger than 1" meters	LS	3,266.87
4	Extra time to dig out meters due to roots, depth of meter and dirt level	LS	17,559.44
	TOTAL		26,339.16

TOTAL AMOUNT OF CHANGE ORDER NO. 1	<u>\$26,339.16</u>
ORIGINAL CONTRACT AMOUNTS	<u>\$849,500.00</u>
PREVIOUS APPROVED CHANGE ORDER AMOUNT	<u>-0-</u>
NEW CONTRACT AMOUNT	<u>\$875,839.16</u>
EXTENSION OF CONTRACT TIME <u>-0-</u> DAYS	

CASITAS MUNICIPAL WATER DISTRICT

APPROVED: _____
Steven E. Wickstrum
GENERAL MANAGER

ACCEPTED:

By: _____ DATE: _____

Name Printed _____

**CASITAS MUNICIPAL WATER DISTRICT
MEMORANDUM**

TO: BOARD OF DIRECTORS
FROM: REBEKAH VIEIRA, ASSISTANT TO GENERAL MANAGER/CLERK OF THE BOARD
SUBJECT: SCHEDULING A PUBLIC HEARING TO DISCUSS AN ORDINANCE TO INCREASE BOARD OF DIRECTORS COMPENSATION
DATE: SEPTEMBER 8, 2017

RECOMMENDATION:

It is recommended that the Board of Directors adopt the resolution setting a public hearing to hear input from the public regarding the adoption of an ordinance authorizing an increase in Director's compensation from \$179.61 per meeting to \$188.59 per meeting pursuant to Water Code Section 20200 et. Seq.

BACKGROUND, DISCUSSION AND REPORT:

The Board of Director's compensation has remained at \$179.61 per meeting since it was last modified on May 11, 2015. In order for the Board to increase their compensation, they must hold a public hearing to review the ordinance authorizing the increase. The ordinance is not effective until 60 days from the final passage of the ordinance. Voters of the district have the right to petition protesting the adoption of the ordinance.

It is recommended that the public hearing and ordinance adoption be held on October 11, 2017 with the increase to be effective December 10, 2017.

If you have any questions in this regard, please ask me.

Board Compensation Comparison 2017

Casitas	\$179.61 per meeting	Max 10 meetings per month
Calleguas	\$200.00 per meeting	Max 10 meetings per month
Carpinteria	\$100 per meeting	Max 6 meetings per month
Castaic	\$228.15 per meeting	Max 10 meetings per month
Goleta	\$200 per meeting	Max 10 meetings per month
Las Virgenes	\$220 per meeting	Max 10 meetings per month
Montecito	\$140 per meeting	Max 10 meetings per month
Ojai San	\$175 per meeting	
United	\$200.00 per meeting	Max 10 meetings per month

Per California Water Code 20202, an increase in board compensation may not exceed an amount equal to 5 percent, for each calendar year following the operative date of the last adjustment. An increase to board compensation is only done by adoption of an ordinance which requires a public hearing, noticed in the paper. The ordinance is not effective until 60 days from the date of final passage. Voters of the district have the right to petition protesting the adoption of the ordinance.

CASITAS MUNICIPAL WATER DISTRICT

RESOLUTION SETTING THE TIME AND PLACE OF A PUBLIC HEARING FOR
INCREASING COMPENSATION AUTHORIZED TO BE PAID TO THE DIRECTORS
OF THE CASITAS MUNICIPAL WATER DISTRICT

WHEREAS, Water Code Section 20200, et seq. provides for an annual increase in compensation not to exceed five percent (5%) per meeting day to be paid to the Directors of the Casitas Municipal Water District; and

WHEREAS, compensation for the Casitas Board of Directors was last changed effective May 11, 2015; and

WHEREAS, a public hearing must be held to discuss director compensation.

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

1. A public hearing will be conducted for the purpose of hearing all interested parties as to increasing the compensation authorized to be paid to the Board of Directors of Casitas.
2. The place of said hearing is hereby fixed at Casitas' Office, 1055 Ventura Avenue, in the town of Oak View. The date and time for said hearing is hereby fixed as October 11, 2017 at 3:00 p.m.
3. The Clerk of the Board is hereby directed to give notice of said hearing by publishing notice of the time and place of the hearing as required by law.

ADOPTED this 13th day of September 2017.

Russ Baggerly, President
Casitas Municipal Water District

ATTEST:

Bill Hicks, Secretary
Casitas Municipal Water District

CASITAS MUNICIPAL WATER DISTRICT

Minutes Executive Committee

DATE: September 8, 2017
TO: Board of Directors
FROM: General Manager, Steven E. Wickstrum

Re: Committee Meeting of September 8, 2017

RECOMMENDATION:

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

MEETING:

1. **Roll Call.**

Director Russ Baggerly
Director Jim Word
Steve Wickstrum, General Manager
Michael Flood, Assistant General Manager
Public; Angelo Spandrio, Eric Jennsen

2. **Public Comments.** None.

3. **Board/Manager comments.**

Director Baggerly asked that the new General Manager of Ventura Water, Kevin Brown, be invited to attend a Casitas Board meeting. Director Baggerly suggested that staff ready itself for more public outreach on the drought, perhaps through the newsletter.

The General Manager commented that United Water Conservation District had been featured in the ACWA News (August 18, 2017) for their efforts in conserving and protecting its water resources and Ecosystems. Further comment provided concerning the AWA event on September 21st.

4. **Discussion regarding Board Compensation.**

The Committee was informed that with the input from legal counsel, the compensation proposal be limited to one year of change in accordance with Water Code Section 20200 et. Seq. and that the Board should consider the compensation annually. This item will be moved to the Board for further consideration.

5. **Legislative Updates and Letters.**

The Committee was informed of District's participation in ACWA coalition letters to the legislature that addresses SB 623 (Water Tax), SB 606 and AB 1668 (Water use standards and broadening the authority of the State to enforce). Director Words expressed the concern with the water tax is that it would violate Prop 218 requirements.

6. **Update regarding the modifications to the Rates and Regulations for Water Service.**

The General Manager reported that progress has been slow with modifications. Work will continue over the next two months.

7. **Discussion regarding Water Service Agreements for Resale Customers..**

The General Manager informed the Committee that a draft agreement has been initially reviewed with the general managers of Meiners Oaks Water District and Ventura River Water District, receiving input on each of their perspectives. The agreement will be

finalized for consideration by legal counsel, review by the Executive Committee, and then provided to resale customers for consideration of approvals. Key to the agreement is the annual assessment of water supplies, assignments of water allocations for the following year, and the application of water conservation measures in a consistent manner throughout the District.

CASITAS MUNICIPAL WATER DISTRICT

MINUTES

Water Resources Committee

DATE: September 8, 2017
TO: Board of Directors
FROM: General Manager, Steve Wickstrum
Re: Water Resources Committee Meeting of August 22, 2017

RECOMMENDATION:

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

BACKGROUND AND OVERVIEW:

1. **Roll Call.**
Director Mary Bergen
Director Russ Baggerly
General Manager, Steve Wickstrum
Ron Merckling, Resources Manager
Public – Angelo Spandrio
2. **Public Comments.** None.
3. **Board Comments.** None.
Director Baggerly commented with question concerning the annual surcharge, lead sampling at schools, Cal Water Fix status, status of the sanitary survey, status of the Rates and Regulations update, development of the rapid response plan, status of the Hydrology Report and the bathymetric study, status of the website overhaul and on-going work for agricultural audits. Staff provided status for each item.
4. **Manager Comments.**
Ron Merckling commented on the upcoming workshop scheduled for September 30, 2017.
5. **Discussion regarding the Ojai Basin Groundwater Management Agency (OBGMA) Draft Conjunctive Use Agreement.**
Director Baggerly informed the Committee that the draft was well received by the OBGMA. At a later time, the Agreement will move forward for consideration by both Boards.
6. **Update on the Ventura River GSA.**
Director Bergen informed the Committee that the GSA is in progress of developing the grant application.



Consumption Report

Water Sales FY 2017-2018 (Acre-Feet)

Classification	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Month to Date	
													2017 / 2018	2016 / 2017
													Total	Total
AD Ag-Domestic	494												494	3,703
AG Ag	363												363	2,652
C Commercial	79												79	509
DI Interdepartmental	11												11	67
F fire	0												0	0
I Industrial	1												1	12
OT Other	24												24	149
R Residential	124												124	1,025
RS - P Resale Pumped	46												46	1,156
RS - G Resale Gravity	213												213	2,603
TE Temporary	1												1	15
Total	1,356	0	0	0	0	0	0	0	0	0	0	0	1,356	11,891
Total 2016 / 2017	1,562	1,528	1,586	1,295	1,001	689	355	195	338	970	1,086	1,286	N/A	11,891



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

	Services & Suplies	Legal Fees	Labor Expense	Other Services	Total Expenses
2011 / 2012	0.00	42,560.00	11,098.37	0.00	53,658.37
2012 / 2013	831.82	223,462.77	14,836.68	0.00	239,131.27
2013 / 2014	29.89	91,878.06	3,835.65	0.00	95,743.60
2014 / 2015	0.00	68,457.10	0.00	0.00	68,457.10
2015 / 2016	6.12	152,811.84	2,938.86	0.00	155,756.82
2016 / 2017	110.54	352,965.75	48,725.29	0.00	401,801.58
July	0.00	2,472.00	9,968.94	0.00	12,440.94
August	0.00	455.00	3,184.37	0.00	3,639.37
September					
October					
November					
December					
January					
Feburary					
March					
April					
May					
June					
Total YTD Cost	0.00	2,927.00	13,153.31	0.00	16,080.31
Total Cost	978.37	935,062.52	94,588.16	0.00	1,030,629.05
Less: Scanned Document Revenue			2012 / 2013		-289.50
Less: Tax Assessment - County of Ventura:			2015 / 2016		-460,342.64
Less: Tax Assessment - County of Ventura:			2016 / 2017		-464,386.26
Less: Bond Pre-Payments					-92,470.36
Less: Reimbursable District Staff Cost Bond Pre-payment					-36,000.00
Total CMWD CFD 2013-1 Cost					-22,570.21

**CASITAS MUNICIPAL WATER DISTRICT
TREASURER'S MONTHLY REPORT OF INVESTMENTS
09/06/17**

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	\$826,252	2.014%	10/25/2016	3.91%	2569
*TB	Federal Farm CR Bank	31331VWN2	4/13/2026	\$912,608	\$884,455	1.901%	5/9/2016	4.19%	3097
*TB	Federal Farm CR Bank	3133EFK71	3/9/2026	\$852,959	\$840,008	2.790%	3/28/2016	3.98%	3063
*TB	Federal Farm CR Bank	3133EFYH4	2/8/2027	\$1,014,233	\$1,000,010	3.000%	3/24/2016	4.73%	3392
*TB	Federal Farm CR Bank	3133EGWD	9/29/2027	\$694,629	\$685,422	2.354%	11/17/2016	3.24%	3623
*TB	Federal Home Loan Bank	3130A3DL	9/8/2023	\$1,576,338	\$1,543,575	1.486%	10/13/2016	7.31%	2162
*TB	Federal Home Loan Bank	313379EE5	6/14/2019	\$1,361,792	\$1,356,305	1.625%	10/3/2012	6.42%	638
*TB	Federal Home Loan Bank	3130A0EN	12/10/2021	\$536,668	\$523,740	1.107%	5/9/2016	2.48%	1534
*TB	Federal Home Loan Bank	3130A5R35	6/13/2025	\$764,736	\$750,214	2.875%	2/19/2016	3.55%	2797
*TB	Federal Home Loan Bank	313383YJ4	9/8/2023	\$467,051	\$449,246	1.203%	7/14/2016	2.13%	2162
*TB	Federal Home Loan Bank	3130A5VW6	7/10/2025	\$1,024,204	\$1,031,680	2.360%	5/10/2017	4.88%	2824
*TB	Federal Home Loan Bank	3130AIXJ2	6/14/2024	\$928,355	\$890,427	2.875%	8/2/2016	4.21%	2438
*TB	Federal Home Loan Bank	3133XFKF	6/11/2021	\$644,721	\$641,301	5.625%	1/16/2013	3.04%	1355
*TB	Federal Home Loan MTG Corp	3137EABA	11/17/2017	\$1,007,249	\$1,007,790	5.125%	1/3/2012	4.77%	71
*TB	Federal Home Loan MTG Corp	3137EADB	1/13/2022	\$674,999	\$684,225	2.375%	9/8/2014	3.24%	1567
*TB	Federal National Assn	31315P2J7	5/1/2024	\$796,639	\$766,383	1.721%	5/1/2016	3.63%	2395
*TB	Federal National Assn	3135G0ZR	9/6/2024	\$1,474,516	\$1,453,534	2.625%	5/25/2016	6.88%	2520
*TB	Federal National Assn	3135G0K3	4/24/2026	\$2,529,035	\$2,488,075	2.125%	5/25/2016	11.78%	3108
*TB	US Treasury Inflation Index NTS	912828JE1	7/15/2018	\$1,140,951	\$1,152,968	1.375%	7/6/2010	5.46%	309
*TB	US Treasury Inflation Index NTS	912828MF	1/15/2020	\$1,141,338	\$1,175,633	1.375%	11/18/2015	5.56%	849
*TB	US Treasury Note	912828WE	11/15/2023	\$768,302	\$807,557	2.750%	12/13/2013	3.82%	2229
Accrued Interest					\$170,291				
Total in Gov't Sec. (11-00-1055-00&1065)				\$21,145,241	\$21,129,092			99.98%	
Total Certificates of Deposit: (11.13506)				\$0	\$0			0.00%	
**	LAIF as of: (11-00-1050-00)		N/A	\$452	\$452	0.92%	Estimated	0.00%	
***	COVI as of: (11-00-1060-00)		N/A	\$2,879	\$2,879	0.88%	Estimated	0.01%	
TOTAL FUNDS INVESTED				\$21,148,572	\$21,132,423			100.00%	
Total Funds Invested last report				\$21,156,492	\$20,969,495				
Total Funds Invested 1 Yr. Ago				\$19,226,902	\$19,495,492				
****	CASH IN BANK (11-00-1000-00) EST.			\$121,592	\$121,592				
	CASH IN Western Asset Money Market			\$12	\$12	0.19%			
TOTAL CASH & INVESTMENTS				\$21,270,177	\$21,254,028				
TOTAL CASH & INVESTMENTS 1 YR AGO				\$24,889,157	\$25,177,544				

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

No investments were made pursuant to subdivision (i) of Section 53601, Section 53601.1 and subdivision (i) Section 53635 of the Government Code.

All investments were made in accordance with the Treasurer's annual statement of investment policy.