

# CHINO BASIN WATERMASTER



## NOTICE OF MEETING

**Thursday, July 25, 2019**

11:00 a.m. – Watermaster Board Meeting

*AT THE CHINO BASIN WATERMASTER OFFICES  
9641 San Bernardino Road  
Rancho Cucamonga, CA 91730  
(909) 484-3888*

# **CHINO BASIN WATERMASTER**

**Thursday, July 25, 2019**

11:00 a.m. – Watermaster Board Meeting

***AGENDA***

**CHINO BASIN WATERMASTER  
WATERMASTER BOARD MEETING**

11:00 a.m. – July 25, 2019

*Mr. Jeff Pierson – Chair*

*Mr. Darron Poulsen – Vice-Chair*

**At The Offices Of**

**Chino Basin Watermaster**

9641 San Bernardino Road

Rancho Cucamonga, CA 91730

**AGENDA**

**CALL TO ORDER**

**PLEDGE OF ALLEGIANCE**

**PUBLIC COMMENTS**

**AGENDA - ADDITIONS/REORDER**

**CHINO BASIN WATERMASTER PROCLAMATION OF GRATITUDE FOR JAMES E. ERICKSON** *(Page 1)*

**I. CONSENT CALENDAR**

**Note:** All matters listed under the Consent Calendar are considered to be routine and non-controversial and will be acted upon by one motion in the form listed below. There will be no separate discussion on these items prior to voting unless any members, staff, or the public requests specific items be discussed and/or removed from the Consent Calendar for separate action.

**A. MINUTES**

Approve as presented:

1. Minutes of the Joint IEUA/Watermaster Board Meeting held June 27, 2019 *(Page 3)*
2. Minutes of the Watermaster Board Meeting held June 27, 2019 *(Page 7)*

**B. FINANCIAL REPORTS**

Receive and file as presented:

1. Cash Disbursements for the month of May 2019 *(Page 11)*
2. Watermaster VISA Check Detail for the month of May 2019 *(Page 25)*
3. Combining Schedule for the Period July 1, 2018 through May 31, 2019 *(Page 29)*
4. Treasurer's Report of Financial Affairs for the Period May 1, 2019 through May 31, 2019 *(Page 33)*
5. Budget vs. Actual Report for the Period July 1, 2018 through May 31, 2019 *(Page 37)*

**C. APPLICATION FOR RECHARGE – FONTANA WATER COMPANY (MAR)** *(Page 63)*

Approve Fontana Water Company's Application for Recharge and direct Watermaster staff to account for this supplemental water recharged in Fontana Water Company's existing Local Supplemental Storage account.

**D. APPLICATION FOR RECHARGE – FONTANA WATER COMPANY (VULCAN)** *(Page 85)*

Approve Fontana Water Company's Application for Recharge and direct Watermaster staff to account for this supplemental water recharged in Fontana Water Company's existing Local Supplemental Storage account.

- E. CONSIDERATION OF APPLICATION FOR LOCAL STORAGE AGREEMENTS – OVERLYING (NON-AGRICULTURAL) POOL** *(Page 105)*  
Approve the storage agreements.

**II. BUSINESS ITEMS**

- A. OBMP UPDATE STATUS REPORT– COURT PLEADING** *(Page 113)*  
Provide advice and assistance to Watermaster regarding the draft Status Report Regarding Update to the Optimum Basin Management Program.
- B. 1,2,3-TRICHLOROPROPANE (1,2,3-TCP) OCCURRENCE IN CHINO BASIN (INFORMATION ONLY)** *(Page 129)*  
This item is being presented for informational purposes.

**III. REPORTS/UPDATES**

- A. LEGAL COUNSEL REPORT**
  - 1. Rules and Regulations 2019 Update
- B. ENGINEER REPORT**
  - 1. GLMC Activities
  - 2. 2020 Safe Yield Reset
- C. CFO REPORT**
  - 1. Audit of FY 2017/18 Groundwater Recharge O&M Expenses
- D. GM REPORT**
  - 1. Status Report: OBMP Update *(Page 135)*
  - 2. Status Report: Storage Management Plan
  - 3. Status Report: Revised Assessment Package Process
  - 4. Ely 3 Basin
  - 5. Business Plan
  - 6. Other

**IV. INFORMATION**

- 1. Cash Disbursements for June 2019 *(Page 139)*

**V. BOARD MEMBER COMMENTS**

**VI. OTHER BUSINESS**

**VII. CONFIDENTIAL SESSION - POSSIBLE ACTION**

Pursuant to Article 2.6 of the Watermaster Rules & Regulations, a Confidential Session may be held during the Watermaster Board meeting for the purpose of discussion and possible action.

**VIII. FUTURE MEETINGS AT WATERMASTER**

- 7/25/19 Thu 11:00 a.m. Watermaster Board
- 7/31/19 Wed 9:30 a.m. OBMP Update – Listening Session 5
- 9/12/19 Thu 9:00 a.m. Appropriative Pool
- 9/12/19 Thu 11:00 a.m. Non-Agricultural Pool
- 9/12/19 Thu 1:30 p.m. Agricultural Pool
- 9/19/19 Thu 8:00 a.m. Appropriative Pool Strategic Planning (Confidential Session Only)
- 9/19/19 Thu 9:00 a.m. Advisory Committee
- 9/26/19 Thu 11:00 a.m. Watermaster Board

NOTE: Watermaster will not be holding its regularly scheduled meetings in August 2019 and can host special meetings upon request.

**ADJOURNMENT**

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# **CHINO BASIN WATERMASTER**

**CHINO BASIN WATERMASTER PROCLAMATION OF GRATITUDE FOR  
JAMES E. ERICKSON**



**CHINO BASIN WATERMASTER  
PROCLAMATION OF GRATITUDE FOR JAMES E. ERICKSON**

**WHEREAS**, James E. Erickson (“Jim”) was a person of great character that influenced the development and the reinvention of the Chino Basin Watermaster during the critical period of transition at the new millennium;

**WHEREAS**, Jim was a devoted husband, father and grandfather whose life was a never-ending journey;

**WHEREAS**, Jim was educated in the Inland Empire and attended the University of Redlands, graduating with a B.A. in 1954; and he attended law school at the University of Mississippi, graduating with his LLB in 1958;

**WHEREAS**, between college and law school Jim served his heart by singing with the Four Lads and then his Country as a fighter pilot in the Korean War;

**WHEREAS**, at the war’s end Jim found his way back to law and to Southern California through his interest in water which led him to seek a Master of Laws from USC, with an emphasis on of all things - water adjudications.

**WHEREAS**, Jim was a master of many things and followed his passion from law firm to business and back to law;

**WHEREAS**, Jim first attained an AV Preeminent Rating from his Martindale-Hubbell in 1980. This rating represents the pinnacle of professional excellence. It is achieved only after an attorney has been reviewed and recommended by their peers - members of the bar and the judiciary. He now carries it with him to the highest court.

**WHEREAS**, Jim commented that he was particularly proud of forming the cities of Irvine and Yorba Linda and representing them and several others as city attorney. He was honored to be involved in major water law issues in California, and in forming and representing the agencies that successfully financed and built toll roads in Orange County at a cost of over \$3 billion.

**WHEREAS**, in the Chino Basin we knew him for his work on behalf of the City of Chino and his part in the Spring 2000 Pajama Brigade, which was responsible for negotiating the Peace Agreement “with all the grace of giving birth to a bowling ball”;

**WHEREAS**, we know him for his professional accomplishments and his quick wit but even more for his pleasant, courteous, and respectful demeanor in all circumstances and his exemplary tact in communicating, always perfectly coifed and often with “sartorial splendor”;

**WHEREAS**, we remember his knowledge of people, places, words, flowers, food, and his propensity to identify the fool in sharp dress and the wise man in pauper's clothes.

**WHEREAS**, we remember him for his immense vocabulary and his choice of language always appropriate but that which some are still researching;

**WHEREAS**, for the time being, he will be waiting for the more fortunate among us, "in a twitter and agog" in a garden of fresh azaleas with a ceaseless grin and a sparkle in this eye ready to engage in boundless conversation about the most important pleasures and passions in life.

**NOW, THEREFORE, THE CHINO BASIN WATERMASTER HEREBY PROCLAIMS:**

**JULY 25, 2019 AS "JAMES E. ERICKSON, DAY" AND THAT FROM THIS DAY FORWARD IT WILL BE FAITHFULLY OBSERVED EACH YEAR WITH A SMILE AND GRATITUDE FOR HIS FAITHFULREMINDER THAT IT IS THE JOURNEY WHICH IS BLESSED.**

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**Jeffrey Pierson, Chair  
Chino Basin Watermaster**

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**Darron Poulsen, Vice-Chair  
Chino Basin Watermaster**

# **CHINO BASIN WATERMASTER**

## **I. CONSENT CALENDAR**

### **A. MINUTES**

1. Joint IEUA/Watermaster Board Meeting held on June 27, 2019
2. Watermaster Board Meeting held on June 27, 2019

**DRAFT MINUTES**  
**INLAND EMPIRE UTILITIES AGENCY**  
**AND**  
**CHINO BASIN WATERMASTER**  
**JOINT BOARD MEETING**  
June 27, 2019

The Joint IEUA/CBWM Board meeting was held at the offices of the Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on June 27, 2019.

**INLAND EMPIRE UTILITIES AGENCY BOARD OF DIRECTORS PRESENT**

Paul Hofer, President*	Division 2
Jasmin A. Hall, Vice-President	Division 4
Kati Parker, Secretary/Treasurer	Division 1
Steve Elie*	Division 3
Michael Camacho	Division 5

**WATERMASTER BOARD MEMBERS PRESENT**

Jeff Pierson, Chair	Agricultural Pool – Crops
Darron Poulsen, Vice-Chair	City of Pomona
Bob Kuhn, Secretary/Treasurer	Three Valleys Municipal Water District
Steve Elie*	Inland Empire Utilities Agency
Paul Hofer*	Agricultural Pool – Crops
Bob Bowcock	CalMat Co.
Eunice Ulloa	City of Chino
Gino Filippi	Appropriative Pool – Minor Representative
Don Galleano	Western Municipal Water District

**INLAND EMPIRE UTILITIES AGENCY STAFF PRESENT**

Shivaji Deshmukh	General Manager
Sylvie Lee	Deputy Manager of Planning/Environmental Compliance
Joshua Aguilar	Senior Engineer
Liz Hurst	Water Resources Analyst
Liza Muñoz	Senior Engineer

**WATERMASTER STAFF PRESENT**

Peter Kavounas	General Manager
Joseph Joswiak	Chief Financial Officer
Edgar Tellez Foster	Senior Environmental Engineer
Anna Nelson	Executive Services Director/Board Clerk
Justin Nakano	Water Resources Senior Associate
Camille Gregory	Administrative Assistant
David Huynh	Field Operations Specialist

**INLAND EMPIRE UTILITIES AGENCY CONSULTANTS PRESENT**

Martin Cihigoyenetché	JC Law Firm
Roger Putty	Geotechnical & Environmental Engineering

**WATERMASTER CONSULTANTS PRESENT**

Scott Slater	Brownstein Hyatt Farber Schreck, LLP
Brad Herrema	Brownstein Hyatt Farber Schreck, LLP
Mark Wildermuth	Wildermuth Environmental, Inc.
Andy Malone	Wildermuth Environmental, Inc.
Samantha Adams	Wildermuth Environmental, Inc.

\*Messrs. Hofer and Elie serve on both the IEUA and Watermaster Boards.

**OTHERS PRESENT**

Bob Feenstra	Agricultural Pool – Dairy
David De Jesus	Three Valleys Municipal Water District
Marsha Westropp	Orange County Water District
Betty Anderson	Jurupa Community Services District
Ron Craig	City of Chino Hills
Steve Corrington	MIH Water Treatment, Inc.
Dave Crosley	City of Chino
Josh Swift	Fontana Union Water Company
Cris Fealy	Fontana Water Company
Courtney Jones	City of Ontario
Van Jew	Monte Vista Water District
John Bosler	Cucamonga Valley Water District
Brian Geye	California Speedway Corporation
Eduardo Espinoza	Cucamonga Valley Water District
Amanda Coker	City of Chino
Katie Gienger	City of Ontario
Brandon Goshi	Metropolitan Water District
James Curatalo	Cucamonga Valley Water District
Ryan Shaw	Western Municipal Water District

**CALL TO ORDER**

President Hofer called the Inland Empire Utilities Agency Board meeting to order at 10:03 a.m. and made opening comments.

Chair Pierson called the Watermaster Board meeting to order at 10:06 a.m. and made opening comments.

**PLEDGE OF ALLEGIANCE**

**PUBLIC COMMENTS**

None

**AGENDA – ADDITIONS/REORDER**

None

**I. INFORMATION ITEMS**

**A. OPTIMUM BASIN MANAGEMENT PROGRAM UPDATE**

(0:04:58) Mr. Kavounas prefaced Items I.A. – I.C.

(0:07:23) Mr. Deshmukh made additional comments to the introduction of Item I.A. – I.C.

(0:08:40) Mr. Tellez Foster gave a presentation on Item I.A. A discussion ensued.

**B. INTEGRATED WATER RESOURCES PLAN – PHASE II**

(0:19:39) Ms. Lee gave an introduction for Items I.B. – I.C.

(0:21:39) Mr. Aguilar gave a presentation on Item. I.B.

**C. CHINO BASIN PROGRAM**

(0:30:04) Ms. Hurst gave a presentation. A discussion ensued.

(0:36:37) Mr. Kavounas presented the timeline of Items I.A. – I.C. He also stated that both the Inland Empire Utilities Agency and Three Valleys Municipal Water District Boards have adopted resolutions in support of the OBMP Update, and that Western Municipal Water District will consider the same at their July 2019 Board meeting. A discussion ensued.

**II. BOARD MEMBER COMMENTS**

(0:50:18) Mr. Galleano commended all staff for the informative presentations.

(0:50:51) Mr. Elie also thanked both Boards and staff members for great work on these important programs.

(0:53:03) On behalf of Watermaster, Chair Pierson thanked Inland Empire Utilities and Three Valleys Municipal Water District for adopting resolutions in support the OBMP Update process and recognized Mr. Galleano for initiating the Joint Board meeting.

(0:55:14) President Hofer complimented staff for putting together great presentations.

**III. OTHER BUSINESS**

None

**IV. ADJOURNMENT**

President Hofer adjourned the Inland Empire Utilities Agency Board meeting at 10:59 a.m.

Chair Pierson adjourned the Watermaster Board meeting at 10:59 a.m.

IEUA Secretary: \_\_\_\_\_

Approved: \_\_\_\_\_

Watermaster Secretary: \_\_\_\_\_

Approved: \_\_\_\_\_

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**DRAFT MINUTES**  
**CHINO BASIN WATERMASTER**  
**WATERMASTER BOARD MEETING**

June 27, 2019

The Watermaster Board meeting was held at the offices of the Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on June 27, 2019.

**WATERMASTER BOARD MEMBERS PRESENT**

Jeff Pierson, Chair  
Darron Poulsen, Vice-Chair  
Bob Kuhn, Secretary/Treasurer  
Bob Bowcock  
Eunice Ulloa  
Paul Hofer  
Steve Elie  
Gino Filippi  
Don Galleano

Agricultural Pool – Crops  
City of Pomona  
Three Valleys Municipal Water District  
CalMat Co.  
City of Chino  
Agricultural Pool – Crops  
Inland Empire Utilities Agency  
Appropriative Pool – Minor Representative  
Western Municipal Water District

**WATERMASTER STAFF PRESENT**

Peter Kavounas  
Joseph Joswiak  
Edgar Tellez Foster  
Anna Nelson  
Justin Nakano

General Manager  
Chief Financial Officer  
Senior Environmental Engineer  
Executive Services Director/Board Clerk  
Water Resources Senior Associate

**WATERMASTER CONSULTANTS PRESENT**

Scott Slater  
Brad Herrema  
Mark Wildermuth  
Andy Malone  
Veva Weamer

Brownstein Hyatt Farber Schreck, LLP  
Brownstein Hyatt Farber Schreck, LLP  
Wildermuth Environmental, Inc.  
Wildermuth Environmental, Inc.  
Wildermuth Environmental, Inc.

**OTHERS PRESENT**

Art Kidman  
Bob Feenstra  
Sylvie Lee  
Amanda Coker  
Van Jew  
Manny Martinez  
Dave Crosley  
Betty Anderson  
Brian Geye  
Tom O'Neill  
Ron Craig  
Steve Corrington  
David De Jesus

Kidman Gagen Law, LLP  
Agricultural Pool – Dairy  
Inland Empire Utilities Agency  
City of Chino  
Monte Vista Water District  
Monte Vista Water District  
City of Chino  
Jurupa Community Services District  
California Speedway Corporation  
Chino Basin Desalter Authority  
City of Chino Hills  
MIH Water Treatment, Inc.  
Three Valleys Municipal Water District

**CALL TO ORDER**

Chair Pierson called the Watermaster Board meeting to order at 11:10 a.m.

**PLEDGE OF ALLEGIANCE**

**PUBLIC COMMENTS**

None

**AGENDA – ADDITIONS/REORDER**

(0:00:58) Mr. Kuhn requested to take Business Item II.B. after Confidential Session. The Board concurred.

**I. CONSENT CALENDAR**

**A. MINUTES**

Approve as presented:

1. Minutes of the Watermaster Board Meeting held May 23, 2019

**B. FINANCIAL REPORTS**

Receive and file as presented:

1. Cash Disbursements for the month of April 2019
2. Watermaster VISA Check Detail for the month of April 2019
3. Combining Schedule for the Period July 1, 2018 through April 30, 2019
4. Treasurer's Report of Financial Affairs for the Period April 1, 2019 through April 30, 2019
5. Budget vs. Actual Report for the Period July 1, 2018 through April 30, 2019

**C. WATER TRANSACTIONS**

Approve the proposed transaction:

The purchase of 7,500.000 acre-feet of water from the Cucamonga Valley Water District to Fontana Water Company. This purchase is made from Cucamonga Valley Water District's Annual Production Right/Operating Safe Yield first, then any additional from Excess Carryover.

**D. PROFESSIONAL PUBLIC OUTREACH SERVICES CONTRACT BETWEEN RAUCH COMMUNICATION CONSULTANTS INC. AND CHINO BASIN WATERMASTER**

Approve and authorize the General Manager to execute the contract on behalf of Watermaster.

**E. PROFESSIONAL SERVICES AGREEMENT BETWEEN APPLIED COMPUTER TECHNOLOGIES AND CHINO BASIN WATERMASTER**

Approve and authorize the General Manager to execute the contract on behalf of Watermaster.

**F. FISCAL YEAR 2019/20 PAY SCHEDULE**

Adopt the FY 2019/20 Pay Schedule.

(0:01:22)

*Motion by Mr. Paul Hofer seconded by Mr. Steve Elie, and by unanimous vote.*

***Moved to approve the Consent Calendar as presented.***

**II. BUSINESS ITEMS**

**A. 2018 PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE ANNUAL REPORT**

Receive and file.

(0:01:50) Mr. Malone gave a presentation. A discussion ensued.

(0:06:48)

*Motion by Ms. Eunice Ulloa seconded by Mr. Paul Hofer, and by unanimous vote.*

***Moved to approve Business Item II.A. as presented.***

**B. GENERAL MANAGER EMPLOYMENT CONTRACT AMENDMENT #5**

None. Public Board discussion, deliberation, and possible action on proposed employment agreement amendment.

Business Item II.B. was taken after confidential session.

(0:37:08) Motion introduced by Mr. Elie who requested Counsel Slater to read for the record:

1. The Board approves the proposed amendment to the employment agreement set forth in Attachment #2 on pages 137 and 138 of the Board meeting package – Amendment #5; thereby increasing the amount of the existing retention incentive from \$55,256.31 to \$98,357.56 and directs the Chair to execute the amendment;
2. In accordance with Employment Agreement Section 5(b) the Board awards a one-time discretionary bonus in the amount of \$10,000 (Ten Thousand Dollars), less applicable withholdings and deductions, subject to the following terms and conditions: (i) the One-Time Bonus will be paid in a single installment that will be made no later than June 30, 2019 in accordance with Watermaster's customary payroll practices and (ii) the One-Time Bonus will not be included for purposes of calculating CalPERS contributions or retirement benefits.

(0:38:40) Vote Taken

*Motion by Mr. Steve Elie seconded by Mr. Bob Kuhn, and by unanimous vote.*

***Moved to approve the General Manager Contract Amendment No. 5 as shown on pages 137 and 138 of the June 27, 2019 Board meeting package, and as described under Business Item II.B. above.***

(0:38:54) Mr. Kavounas expressed his gratitude to the Board, consultants, and fellow staff members. A discussion ensued.

### III. REPORTS/UPDATES

#### A. LEGAL COUNSEL REPORT

1. June 7, 2019 Hearing
2. Rules and Regulations 2019 Update

(0:07:09) Mr. Slater gave a report and recommended to the Board to consider filing a brief with the Court to update Judge Reichert on the ongoing effort to update the 2000 OBMP.

#### B. ENGINEER REPORT

1. State of the Basin Report – Water Quality
2. Pomona Extensometer Update

(0:09:23) Ms. Weamer gave a presentation for Item III.B.1. A discussion ensued.

(0:20:15) Mr. Malone gave a report on Item III.B.2. A discussion ensued.

#### C. CFO REPORT

1. Upcoming FY 2018/19 Budget Amendment

(0:22:11) Mr. Joswiak gave a report and announced that he will present the Budget Transfers and/or Budget Amendments at the September 2019 meetings. A discussion ensued.

#### D. GM REPORT

1. Status Report: OBMP Update
2. Status Report: Storage Management Plan
3. Status Report: Revised Assessment Package Process
4. 2020 Safe Yield Reset
5. Ely 3 Basin
6. August Meeting Schedule
7. Other

(0:25:45) Mr. Kavounas gave a report, and announced that the Board has been provided a Champion Newspaper article relating to a party and a letter regarding *Occurrence of PFAS in the Orange County*

*Groundwater Basin and the Santa Ana River* from Orange County Water District in their Board member folders. A discussion ensued.

**IV. INFORMATION**

1. Cash Disbursements for May 2019

**V. BOARD MEMBER COMMENTS**

None

**VI. OTHER BUSINESS**

None

**VII. CONFIDENTIAL SESSION - POSSIBLE ACTION**

Chair Pierson called for a confidential session at 11:47 a.m. to discuss the General Manager Performance Evaluation and Business Item II.B. Mr. Slater announced that confidential session concluded at 11:52 a.m. with no reportable action. Business Item II.B., the General Manager Employment Contract Amendment #5 was taken in open session and the action is shown above.

**ADJOURNMENT**

Chair Pierson adjourned the Watermaster Board at 11:55 a.m.

Secretary: \_\_\_\_\_

Approved: \_\_\_\_\_

# **CHINO BASIN WATERMASTER**

## **I. CONSENT CALENDAR**

### **B. FINANCIAL REPORTS**

1. Cash Disbursements for the month of May 2019
2. Watermaster VISA Check Detail for the month of May 2019
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4. Treasurer's Report of Financial Affairs for the Period May 1, 2019 through May 31, 2019
5. Budget vs. Actual Report for the Period July 1, 2018 through May 31, 2019



# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 25, 2019  
TO: Board Members  
SUBJECT: Cash Disbursement Report - Financial Report B1 (May 31, 2019)

### SUMMARY

Issue: Record of Cash Disbursements for the month of May 2019.

Recommendation: Receive and file Cash Disbursements for May 2019 as presented.

Financial Impact: Funds disbursed were included in the FY 2018/19 "Amended" Watermaster Budget.

### Future Consideration

Watermaster Board – July 25, 2019: Receive and File (Normal Course of Business)

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### ACTIONS:

Appropriative Pool – July 11, 2019: Received and filed

Non-Agricultural Pool – July 11, 2019: Moved unanimously to receive and file, without approval

Agricultural Pool – July 11, 2019: Received and filed

Advisory Committee – July 18, 2019: Received and filed

Watermaster Board – July 25, 2019:

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

## BACKGROUND

A monthly cash disbursement report is provided to keep all members apprised of Watermaster expenditures.

## DISCUSSION

Total cash disbursements during the month of May 2019 were \$947,650.97.

The most significant expenditures during the month were to Three Valleys Municipal Water District in the amount of \$459,025.40 (check number 21489 dated May 22, 2019); Brownstein Hyatt Farber Schreck in the amount of \$95,073.25 (check number 21443 dated May 1, 2019); and to two of the three Overlying (Non-Agricultural) Pool members who sold Exhibit "G" water in the amounts of \$88,407.72 and \$40,888.57 (check number 21458 dated May 3, 2019 and check number 20456 dated May 3, 2019).

## ATTACHMENTS

1. Financial Report - B1

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**May 2019**

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	05/01/2019	21443	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019	757132		757132	6078 · BHFS Legal - Miscellaneous	26,605.80
				ELY 3 Basin/Kaiser	6078 · BHFS Legal - Miscellaneous	336.15
				Angelica BK	6078 · BHFS Legal - Miscellaneous	53.10
				Mileage/Parking Expenses	8375 · BHFS Legal - Appropriative Pool	13.05
				Mileage/Parking Expenses	8475 · BHFS Legal - Agricultural Pool	13.05
				Mileage/Parking Expenses	8575 · BHFS Legal - Non-Ag Pool	13.04
Bill	03/31/2019	757133		457(f) Plan Regulations	6073 · BHFS Legal - Personnel Matters	324.90
Bill	03/31/2019	757134		757134	6907.34 · Santa Ana River Water Rights	2,396.70
Bill	03/31/2019	757135		757135	6907.33 · Desalter/Hydraulic Control	89.10
Bill	03/31/2019	757136		757136	6907.36 · Santa Ana River Habitat	5,380.20
Bill	03/31/2019	757137		757137	6275 · BHFS Legal - Advisory Committee	1,069.20
Bill	03/31/2019	757138		757138	6375 · BHFS Legal - Board Meeting	4,293.00
				Lodging 02/26/19	6375 · BHFS Legal - Board Meeting	225.00
				Lodging 03/28/19	6375 · BHFS Legal - Board Meeting	225.00
Bill	03/31/2019	757139		757139	8375 · BHFS Legal - Appropriative Pool	1,024.65
Bill	03/31/2019	757140		757140	8475 · BHFS Legal - Agricultural Pool	1,024.65
Bill	03/31/2019	757141		757141	8575 · BHFS Legal - Non-Ag Pool	1,024.65
Bill	03/31/2019	757142		757142	6071 · BHFS Legal - Court Coordination	1,011.15
				Delivery/Ground Transportation 03/15/19	6071 · BHFS Legal - Court Coordination	150.00
				Delivery/Ground Transportation 03/21/19	6071 · BHFS Legal - Court Coordination	150.00
Bill	03/31/2019	757143		757143	6907.39 · Recharge Master Plan	79.65
				Mileage/Parking Expenses	6907.39 · Recharge Master Plan	39.14
Bill	03/31/2019	757144		757144	6907.41 · Prado Basin Habitat Sustain	2,828.25
				Mileage/Parking Expense	6907.41 · Prado Basin Habitat Sustain	39.14
Bill	03/31/2019	757145		757145	6907.42 · Initial Safe Yield Recalc	40,486.05
				Lodging 02/01/19	6907.42 · Initial Safe Yield Recalc	225.00
				Lodging 02/20/19	6907.42 · Initial Safe Yield Recalc	225.00
				Mileage/Parking Expense	6907.42 · Initial Safe Yield Recalc	59.99
Bill	03/31/2019	757146		757146	6907.45 · OBMP Update	5,629.50
				Mileage/Parking Expense	6907.45 · OBMP Update	39.14
TOTAL						95,073.25
Bill Pmt -Check	05/03/2019	21444	ACCENT COMPUTER SOLUTIONS, INC.	127564	1012 · Bank of America Gen'l Ckg	
Bill	04/19/2019	127564		Monthly service - May 2019	6052.4 · IT Managed Services	4,116.00
				Overwatch - May 2019	6052.5 · IT Data Backup/Storage	699.00
				OmniCloud - May 2019	6052.5 · IT Data Backup/Storage	117.00
				Office 365 subscriptions - May 2019	6052.4 · IT Managed Services	99.00
				Image Office Storage (per GB, per month)	6052.5 · IT Data Backup/Storage	815.11
TOTAL						5,846.11

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**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**May 2019**

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	05/03/2019	21445	CAMACHO, MICHAEL	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	3/28 Board Mtg		3/28/19 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	05/03/2019	21446	CD CATERING & EVENT SERVICES	9515	1012 · Bank of America Gen'l Ckg	
Bill	04/24/2019	9515		Lunch for 4/24/19 Watermaster Board meeting	6312 · Meeting Expenses	681.50
TOTAL						681.50
Bill Pmt -Check	05/03/2019	21447	CENTURYLINK	79812782	1012 · Bank of America Gen'l Ckg	
Bill	04/29/2019	79812782		4/17/19-5/16/19	6053 · Internet Expense	1,060.41
TOTAL						1,060.41
Bill Pmt -Check	05/03/2019	21448	EUROFINS EATON ANALYTICAL		1012 · Bank of America Gen'l Ckg	
Bill	04/16/2019	L0442821		L0442821	7108.41 · Hydraulic Control - PBHSP	350.00
Bill	04/16/2019	L0443229		L0443229	7108.41 · Hydraulic Control - PBHSP	700.00
TOTAL						1,050.00
Bill Pmt -Check	05/03/2019	21449	PETTY CASH	2787-2799	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	2787-2799		Mileage reimbursement	6909.1 · OBMP Meetings	145.27
				Miscellaneous reimbursements	6141.1 · Meeting Supplies	67.03
				Miscellaneous office supplies	6031.7 · Other Office Supplies	39.95
				Parking-Guasti, supplies for staff spring picnic	6141.3 · Admin Meetings	108.81
TOTAL						361.06
Bill Pmt -Check	05/03/2019	21450	PIERSON, JEFFREY	Board and Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	3/14 Ag Pool Mtg		3/14/19 Ag Pool meeting	8411 · Ag Pool Member Compensation	25.00
				3/14/19 Ag Pool meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	04/30/2019	3/21 Advisory Comm		3/21/19 Advisory Committee meeting	8411 · Ag Pool Member Compensation	25.00
				3/21/19 Advisory Committee meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	04/30/2019	3/21 RIPCom Mtg		3/21/19 RIPCom meeting	8411 · Ag Pool Member Compensation	25.00
				3/21/19 RIPCom meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	04/30/2019	3/06 Conf Call		3/06/19 Admin mtg - Conf call w/GM	6311 · Board Member Compensation	125.00
Bill	04/30/2019	3/13 Conf Call		3/13/19 Admin mtg - Conf call w/GM	6311 · Board Member Compensation	125.00
Bill	04/30/2019	3/15 Court Hearing		3/15/19 Court Hearing	6311 · Board Member Compensation	125.00
Bill	04/30/2019	3828 Board Mtg		3/28/19 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						875.00
Bill Pmt -Check	05/03/2019	21451	PRINTING RESOURCES	65790	1012 · Bank of America Gen'l Ckg	
Bill	04/23/2019	65790		Nameplates - J. Wilson, C.Gregory	6031.7 · Other Office Supplies	66.31
TOTAL						66.31

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**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**May 2019**

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	05/03/2019	21452	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	857.37
TOTAL						<u>857.37</u>
Bill Pmt -Check	05/03/2019	21453	UNITED HEALTHCARE	052558328640	1012 · Bank of America Gen'l Ckg	
Bill	04/23/2019	052558328640		Dental Insurance Premium - May 2019	60182.2 · Dental & Vision Ins	744.12
TOTAL						<u>744.12</u>
Bill Pmt -Check	05/03/2019	21454	VERIZON WIRELESS	9828071195	1012 · Bank of America Gen'l Ckg	
Bill	04/29/2019	9828071195		Acct #642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	100.04
TOTAL						<u>100.04</u>
Bill Pmt -Check	05/03/2019	21455	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg	
Bill	04/19/2019	00101789		Vision Insurance Premium - May 2019	60182.2 · Dental & Vision Ins	88.20
TOTAL						<u>88.20</u>
Bill Pmt -Check	05/03/2019	21456	AUTO CLUB SPEEDWAY	Exhibit G Water	1012 · Bank of America Gen'l Ckg	
Bill	05/03/2019			Exhibit G Water Payment - Seller	5107 · Exhibit "G" Non-Ag Pool Water	40,888.57
TOTAL						<u>40,888.57</u>
Bill Pmt -Check	05/03/2019	21457	MONTE VISTA WATER DIST	Exhibit G Water	1012 · Bank of America Gen'l Ckg	
Bill	05/03/2019			Exhibit G Water Payment - Seller	5107 · Exhibit "G" Non-Ag Pool Water	1,703.71
TOTAL						<u>1,703.71</u>
Bill Pmt -Check	05/03/2019	21458	NRG CALIFORNIA SOUTH LLP	Exhibit G Water	1012 · Bank of America Gen'l Ckg	
Bill	05/03/2019			Exhibit G Water Payment - Seller	5107 · Exhibit "G" Non-Ag Pool Water	88,407.72
TOTAL						<u>88,407.72</u>
General Journal	05/03/2019	05/03/2019	ADP, LLC	ADP Payroll Service for 04/20/19-534509867	1012 · Bank of America Gen'l Ckg	
				ADP Payroll Service for 04/20/19-534509867	1012 · Bank of America Gen'l Ckg	155.50
TOTAL						<u>155.50</u>
General Journal	05/04/2019	05/04/2019	Payroll and Taxes for 04/21/19-05/04/19	Payroll and Taxes for 04/21/19-05/04/19	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 04/21/19-05/04/19	1012 · Bank of America Gen'l Ckg	29,220.23
				Payroll Taxes for 04/21/19-05/04/19	1012 · Bank of America Gen'l Ckg	9,530.46
			ICMA-RC	457(f) EE Deductions for 04/21/19-05/04/19	1012 · Bank of America Gen'l Ckg	5,166.72
			ICMA-RC	401(a) EE Deductions for 04/21/19-05/04/19	1012 · Bank of America Gen'l Ckg	1,481.89
TOTAL						<u>45,399.30</u>
Bill Pmt -Check	05/07/2019	ACH 050719	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**May 2019**

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	04/15/2019	1394905143		Medical Insurance Premium - May 2019	60182.1 · Medical Insurance	8,287.63
TOTAL						<u>8,287.63</u>
Bill Pmt -Check	05/08/2019	21459	COSTCO WHOLESALE	VOID:	1012 · Bank of America Gen'l Ckg	0.00
TOTAL						<u>0.00</u>
Bill Pmt -Check	05/08/2019	21460	COSTCO WHOLESALE		1012 · Bank of America Gen'l Ckg	
Bill	05/08/2019			Purchase shelving for Annex	6031.7 · Other Office Supplies	969.69
TOTAL						<u>969.69</u>
Bill Pmt -Check	05/09/2019	21461	BOWCOCK, ROBERT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/18/2019	4/18 RIPCom Mtg		4/18/19 RIPCom Meeting	6311 · Board Member Compensation	125.00
Bill	04/25/2019	4/25 Board Mtg		4/25/19 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						<u>250.00</u>
Bill Pmt -Check	05/09/2019	21462	CITY OF POMONA	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/11/2019	4/11 Appro Pool Mtg		Poulsen-4/11/19 Appropriative Pool Meeting	6311 · Board Member Compensation	125.00
Bill	04/18/2019	4/18 Advisory Comm		Poulsen-4/18/19 Advisory Committee Meeting	6311 · Board Member Compensation	125.00
Bill	04/25/2019	4/25 Board Meeting		Poulsen-4/25/19 Board meeting	6311 · Board Member Compensation	125.00
TOTAL						<u>375.00</u>
Bill Pmt -Check	05/09/2019	21463	EGOSCUE LAW GROUP, INC.	12311	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	12311		Ag Pool Legal Services - April 2019	8467 · Ag Legal & Technical Services	13,337.50
TOTAL						<u>13,337.50</u>
Bill Pmt -Check	05/09/2019	21464	FILIPPI, GINO	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/23/2019	4/23 Budget Review		4/23/19 Budget Review meeting	6311 · Board Member Compensation	125.00
Bill	04/25/2019	4/25 Board Meeting		4/25/19 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						<u>250.00</u>
Bill Pmt -Check	05/09/2019	21465	KUHN, BOB	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/01/2019	4/01 JPIA/ACWA Cal		4/01/19 Risk Management Committee	6311 · Board Member Compensation	125.00
Bill	04/11/2019	4/11 CB Water Issues		4/11/19 Update on Chino Basin water issues	6311 · Board Member Compensation	125.00
Bill	04/18/2019	4/18 Advisory Comm		4/18/19 Advisory Committee meeting	6311 · Board Member Compensation	125.00
Bill	04/23/2019	4/23 Board Agenda		4/23/19 Board Agenda preview call	6311 · Board Member Compensation	125.00
Bill	04/25/2019	4/25 Board meeting		4/25/19 Board meeting	6311 · Board Member Compensation	125.00
TOTAL						<u>625.00</u>
Bill Pmt -Check	05/09/2019	21466	PREMIERE GLOBAL SERVICES	27586376	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	27586376		Assessment package review call on 3/27	6909.1 · OBMP Meetings	13.89
				WQ Colloquium call on 4/09	6909.1 · OBMP Meetings	8.22

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
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Type	Date	Num	Name	Memo	Account	Paid Amount
				Non-Ag Pool meeting call on 4/11	8512 · Meeting Expense	13.74
				Review draft PBHSC annual report call on 4/16	6909.1 · OBMP Meetings	20.17
				WQ Colloquium call on 4/23	6909.1 · OBMP Meetings	6.22
				Appropriative Pool special mtg. call on 4/25	8312 · Meeting Expenses	7.27
				Fee - General	6022 · Telephone	39.00
				Fee - Confidential	6022 · Telephone	39.00
				WM coordination call on 4/03	6909.1 · OBMP Meetings	14.86
				WM coordination call on 4/08	6909.1 · OBMP Meetings	24.46
				WQ Colloquium call on 4/09	6909.1 · OBMP Meetings	6.22
				Joint IEUA / CBWM Board mtg. call on 4/09	6312 · Meeting Expenses	6.24
				Draft Max Benefit Report call ob 4/10	6909.1 · OBMP Meetings	6.36
				Pool meetings check call on 4/10	8312 · Meeting Expenses	3.57
				Pool meetings check call on 4/10	8412 · Meeting Expenses	3.57
				Pool meetings check call on 4/10	8512 · Meeting Expense	3.57
				Chino Basin Manuscript call on 4/15	6909.1 · OBMP Meetings	25.88
				Legal counsel call on 4/18	6909.1 · OBMP Meetings	6.39
				Engineering call on 4/18	6909.1 · OBMP Meetings	7.60
				WM coordination call on 4/22	6909.1 · OBMP Meetings	6.58
				WQ Colloquium call on 4/23	6909.1 · OBMP Meetings	17.13
				Board agenda preview call on 4/24	6312 · Meeting Expenses	6.24
				Board agenda preview call on 4/24	6312 · Meeting Expenses	6.23
				Board agenda preview call on 4/24	6312 · Meeting Expenses	6.24
				Approp. Pool special meeting call on 4/25	8312 · Meeting Expenses	9.63
				Call Service	6022 · Telephone	78.00
				Service Fee	6022 · Telephone	26.85
<b>TOTAL</b>						<b>413.13</b>
Bill Pmt -Check	05/09/2019	21467	RR FRANCHISING, INC.	71429	1012 · Bank of America Gen'l Ckg	
Bill	05/01/2019	71429		Monthly service May 2019	6024 · Building Repair & Maintenance	740.00
<b>TOTAL</b>						<b>740.00</b>
Bill Pmt -Check	05/09/2019	ACH 050919	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	05/04/2019	05/04/2019	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 04/21/19-05/04/19	2000 · Accounts Payable	7,444.83
<b>TOTAL</b>						<b>7,444.83</b>
Check	05/15/2019	05/15/2019	Service Charge	Service Charge	1012 · Bank of America Gen'l Ckg	
				Service Charge	6039.1 · Banking Service Charges	610.00
<b>TOTAL</b>						<b>610.00</b>
Bill Pmt -Check	05/15/2019	21468	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	7076224530355049		Fuel - April 2019	6175 · Vehicle Fuel	253.37

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**May 2019**

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						253.37
Bill Pmt -Check	05/17/2019	21469	MICHAEL'S #3844	Wineville Frames & Matting	1012 · Bank of America Gen'l Ckg	
Bill	05/17/2019			Frames for Wineville conference room	1840 · Capital Assets	555.54
TOTAL						555.54
General Journal	05/17/2019	05/17/2019	ADP, LLC	ADP Payroll Service	1012 · Bank of America Gen'l Ckg	
			ADP, LLC	ADP Payroll Service for 05/04/19-535192799	1014 · Bank of America P/R Ckg	350.50
TOTAL						350.50
General Journal	05/18/2019	05/18/2019	Payroll and Taxes for 05/05/19-05/18/19	Payroll and Taxes for 05/05/19-05/18/19	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 05/05/19-05/18/19	1012 · Bank of America Gen'l Ckg	37,485.31
				Payroll Taxes for 05/05/19-05/18/19	1012 · Bank of America Gen'l Ckg	12,189.60
			ICMA-RC	457(f) EE Deductions for 05/05/19-05/18/19	1012 · Bank of America Gen'l Ckg	5,166.72
			ICMA-RC	401(a) EE Deductions for 05/05/19-05/18/19	1012 · Bank of America Gen'l Ckg	1,481.89
TOTAL						56,323.52
Bill Pmt -Check	05/22/2019	21470	ACWA JOINT POWERS INSURANCE AUTHORITY	0606029	1012 · Bank of America Gen'l Ckg	
Bill	05/02/2019	0610417		Prepayment - June 2019	1409 · Prepaid Life, BAD&D & LTD	228.15
				May 2019	60191 · Life & Disab.Ins Benefits	228.15
TOTAL						456.30
Bill Pmt -Check	05/22/2019	21471	APPLIED COMPUTER TECHNOLOGIES	3038	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	3038		Database Consulting Services - April 2019	6052.2 · Applied Computer Technol	3,449.60
TOTAL						3,449.60
Bill Pmt -Check	05/22/2019	21472	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	XXXX-XXXX-XXXX-9341		Renewal of Costco membership	6111 · Membership Dues	169.68
				50% deposit-GoDaddy website hosting	6055 · Computer Hardware	1,696.77
				50% deposit-Office 365 migration	6055 · Computer Hardware	3,255.92
				Matting/framing prints for office	6031.7 · Other Office Supplies	352.34
				Purchase phone accessories	6031.7 · Other Office Supplies	17.34
				Miscellaneous office supplies	6031.7 · Other Office Supplies	408.95
				Lunch-5/02/19 WQ Colloquium-CBWCD	6909.1 · OBMP Meetings	806.17
				Miscellaneous office supplies	6031.7 · Other Office Supplies	253.41
				Miscellaneous office supplies	6031.7 · Other Office Supplies	13.18
				PK meeting w/S. Elie, C. Rodriguez	6312 · Meeting Expenses	83.34
				PK meeting w/V. Jew, J. Bosler	8312 · Meeting Expenses	35.18
				Get well flowers for C. Miller	6141.1 · Meeting Supplies	66.10
				Recertification fee for A. Nelson CAP	6111 · Membership Dues	94.27
				Miscellaneous office supplies	6031.7 · Other Office Supplies	24.09

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**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
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Type	Date	Num	Name	Memo	Account	Paid Amount
				Purchase rugs for front office	6036 · Minor Office Furniture	664.57
				Miscellaneous office supplies	6031.7 · Other Office Supplies	7.06
				Miscellaneous office supplies	6031.7 · Other Office Supplies	19.69
				Miscellaneous office supplies	6031.7 · Other Office Supplies	21.67
				PK mtg w/S. Elie	6312 · Meeting Expenses	37.06
				Miscellaneous office supplies	6031.7 · Other Office Supplies	28.60
				PK mtg w/T. O'Neill	8312 · Meeting Expenses	33.31
				Breakfast-5/02/19 WQ Colloquium-CBWCD	6909.1 · OBMP Meetings	212.10
TOTAL						<u>8,300.80</u>
Bill Pmt -Check	05/22/2019	21473	CORELOGIC INFORMATION SOLUTIONS	81959839	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	81959839		81959839	7103.7 · Grdwtr Qual-Computer Svc	62.50
				81959839	7101.4 · Prod Monitor-Computer	62.50
TOTAL						<u>125.00</u>
Bill Pmt -Check	05/22/2019	21474	CUCAMONGA VALLEY WATER DISTRICT	Office Lease	1012 · Bank of America Gen'l Ckg	
Bill	05/17/2019			Office lease due June 1, 2019	1422 · Prepaid Rent	6,866.54
TOTAL						<u>6,866.54</u>
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Bill Pmt -Check	05/22/2019	21475	FEDAK & BROWN LLP	Audit Fees	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019			Progress Billing - April 2019	6062 · Audit Services	850.00
TOTAL						<u>850.00</u>
Bill Pmt -Check	05/22/2019	21476	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/10/2019	4/10 Ag Pool Mtg		4/10/19 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						<u>125.00</u>
Bill Pmt -Check	05/22/2019	21477	FIRST LEGAL NETWORK LLC	40026659	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	40026659		Court filings on 4/02, 4/03, 4/04, and 4/11	6061.5 · Court Filing Services	335.56
TOTAL						<u>335.56</u>
Bill Pmt -Check	05/22/2019	21478	FRONTIER COMMUNICATIONS	909-484-3890-050914-5	1012 · Bank of America Gen'l Ckg	
Bill	05/17/2019	90948438900509145		Office fax	6022 · Telephone	145.84
TOTAL						<u>145.84</u>
Bill Pmt -Check	05/22/2019	21479	GREAT AMERICA LEASING CORP.	24810190	1012 · Bank of America Gen'l Ckg	
Bill	05/17/2019	24810190		Invoice for May 2019	6043.1 · Ricoh Lease Fee	2,661.62
TOTAL						<u>2,661.62</u>
Bill Pmt -Check	05/22/2019	21480	HUITSING, JOHN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/11/2019	4/11 Ag Pool Mtg		4/11/19 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
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Type	Date	Num	Name	Memo	Account	Paid Amount
				4/11/19 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	05/22/2019	21481	JOHN J. SCHATZ	Appropriative Pool Legal Services	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	April 2019		Legal Services - April 2019	8367 · Legal Service	4,510.00
TOTAL						4,510.00
Bill Pmt -Check	05/22/2019	21482	LEGAL SHIELD	111802	1012 · Bank of America Gen'l Ckg	
Bill	05/15/2019	111802		Employee deductions - May 2019	60194 · Other Employee Insurance	51.80
TOTAL						51.80
Bill Pmt -Check	05/22/2019	21483	PIERSON, JEFFREY	Ag Pool and Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/11/2019	4/11 Ag Pool Mtg		4/11/19 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	04/18/2019	4/18 Advisory Comm		4/18/19 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	04/18/2019	4/18 RIP Com Mtg		4/18/19 RIPCom Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	04/18/2019	4/18 Admin Mtg		4/18/19 Administrative meeting w/GM	6311 · Board Member Compensation	125.00
Bill	04/23/2019	4/23 Admin Mtg		4/23/19 Administrative meeting w/GM	6311 · Board Member Compensation	125.00
Bill	04/24/2019	4/24 CC w/Slater		4/24/19 Conf. call w/Legal counsel - Slater	6311 · Board Member Compensation	125.00
Bill	04/25/2019	4/25 Board Mtg		4/25/19 Board Meeting	6311 · Board Member Compensation	125.00
Bill	04/30/2019	4/30 Admin Mtg		4/30/19 Administrative meeting w/GM	6311 · Board Member Compensation	125.00
TOTAL						1,000.00
Bill Pmt -Check	05/22/2019	21484	R&D PEST SERVICES	Pest control	1012 · Bank of America Gen'l Ckg	
Bill	05/03/2019	0242740		Pest control - monthly maintenance	6024 · Building Repair & Maintenance	100.00
Bill	05/06/2019	0243044		Pest control - spray for bees coming into office	6024 · Building Repair & Maintenance	95.00
TOTAL						195.00
Bill Pmt -Check	05/22/2019	21485	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	0023230253		Office Water Bottle - April 2019	6031.7 · Other Office Supplies	66.36
TOTAL						66.36
Bill Pmt -Check	05/22/2019	21486	SANTA ANA WATERSHED PROJECT AUTHORI	VOID: 9387	1012 · Bank of America Gen'l Ckg	0.00
TOTAL						0.00
Bill Pmt -Check	05/22/2019	21487	STATE COMPENSATION INSURANCE FUND	1970970-18	1012 · Bank of America Gen'l Ckg	
Bill	05/01/2019	1970970-18		Monthly premium 4/26/19-5/26/19	60183 · Worker's Comp Insurance	552.42
TOTAL						552.42
Bill Pmt -Check	05/22/2019	21488	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	
Bill	06/01/2019			Retiree Medical - May 2019	60182.4 · Retiree Medical	25.87
TOTAL						25.87

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**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	05/22/2019	21489	THREE VALLEYS MUNICIPAL WATER DIST	05331	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	05331		617.800AF @ \$731 + \$2 + \$10	5011 · Replenishment Water	459,025.40
TOTAL						<u>459,025.40</u>
Bill Pmt -Check	05/22/2019	21490	ULLOA, EUNICE	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/11/2019	4/11 Appro Pool Mtg		4/11/19 Appropriative Pool Meeting	6311 · Board Member Compensation	125.00
Bill	04/18/2019	4/18 Ad Hoc Comm		4/18/19 Ad Hoc Committee conference call	6311 · Board Member Compensation	125.00
Bill	04/23/2019	4/23 Budget Workshop		4/23/19 Budget Workshop	6311 · Board Member Compensation	125.00
Bill	04/25/2019	4/25 Board Mtg		4/25/19 Board Meeting	6311 · Board Member Compensation	125.00
Bill	04/30/2019	3/13 PBHSC Mtg		3/13/19 PBHSC Meeting	6311 · Board Member Compensation	125.00
Bill	04/30/2019	3/14 Appro Pool Mtg		3/14/19 Appropriative Pool Meeting	6311 · Board Member Compensation	125.00
Bill	04/30/2019	3/15 Court Hearing		3/15/19 Court Hearing	6311 · Board Member Compensation	125.00
Bill	04/30/2019	3/21 Advisory Comm		3/21/19 Advisory Committee Meeting	6311 · Board Member Compensation	125.00
Bill	04/30/2019	3/26 Budget Release		3/26/19 Budget Release Workshop	6311 · Board Member Compensation	125.00
Bill	04/30/2019	3/28 Board Mtg		3/28/19 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						<u>1,250.00</u>
Bill Pmt -Check	05/22/2019	21491	UNITED HEALTHCARE	052503393305	1012 · Bank of America Gen'l Ckg	
Bill	05/16/2019	052503393305		Dental Insurance Premium - June 2019	60182.2 · Dental & Vision Ins	744.12
TOTAL						<u>744.12</u>
Bill Pmt -Check	05/22/2019	21492	VERIZON WIRELESS	9829475719	1012 · Bank of America Gen'l Ckg	
Bill	05/15/2019	9829475719		Acct #470810953-00001	6022 · Telephone	367.53
TOTAL						<u>367.53</u>
Bill Pmt -Check	05/22/2019	21493	YUKON DISPOSAL SERVICE	21136525395	1012 · Bank of America Gen'l Ckg	
Bill	05/01/2019	21136525395		Disposal Service - May 2019	6024 · Building Repair & Maintenance	117.14
TOTAL						<u>117.14</u>
Bill Pmt -Check	05/18/2019	ACH 052319	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	05/18/2019	05/18/2019	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 05/05/19-05/18/19	2000 · Accounts Payable	7,444.83
TOTAL						<u>7,444.83</u>
General Journal	05/23/2019	19/05/17	ADP, LLC	ADP Payroll Service-Qtr. Adjustments	1012 · Bank of America Gen'l Ckg	
			ADP, LLC	ADP Payroll Service-Qtr. Adjustments	1014 · Bank of America P/R Ckg	-350.50
TOTAL						<u>-350.50</u>
Bill Pmt -Check	05/29/2019	ACH 052919	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
Bill	05/01/2019	15654807		Unfunded Accrued Liability Plan 3299	60180 · Employers PERS Expense	5,456.55
TOTAL						<u>5,456.55</u>

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**May 2019**

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	05/30/2019	21494	ACCENT COMPUTER SOLUTIONS, INC.	128190	1012 · Bank of America Gen'l Ckg	
Bill	05/23/2019	128190		Monthly service - June 2019	6052.4 · IT Managed Services	4,116.00
				Overwatch - June 2019	6052.5 · IT Data Backup/Storage	699.00
				OmniCloud - June 2019	6052.5 · IT Data Backup/Storage	117.00
				Office 365 subscriptions - June 2019	6052.4 · IT Managed Services	107.25
				Image Office Storage (per GB, per month)	6052.5 · IT Data Backup/Storage	850.50
TOTAL						<u>5,889.75</u>
Bill Pmt -Check	05/30/2019	21495	CD CATERING & EVENT SERVICES	9584	1012 · Bank of America Gen'l Ckg	
Bill	05/23/2019	9584		Lunch-5/23/19 Watermaster Board meeting	6312 · Meeting Expenses	600.69
TOTAL						<u>600.69</u>
Bill Pmt -Check	05/30/2019	21496	EMPOWER LAB	1018	1012 · Bank of America Gen'l Ckg	
Bill	05/10/2019	1018		4/22/19 mtg w/PK	6193 · Employee Training	500.00
TOTAL						<u>500.00</u>
Bill Pmt -Check	05/30/2019	21497	EUROFINS EATON ANALYTICAL		1012 · Bank of America Gen'l Ckg	
Bill	04/24/2019	L0450206		L0450206	7108.4 · Hydraulic Control-Lab Svcs	440.00
Bill	04/24/2019	L0450428		L0450428	7108.4 · Hydraulic Control-Lab Svcs	1,194.00
TOTAL						<u>1,634.00</u>
Bill Pmt -Check	05/30/2019	21498	KAVOUNAS, PETER	PE Certification Renewal Reimbursement	1012 · Bank of America Gen'l Ckg	
Bill	05/23/2019			PE Certification Renewal Reimbursement	6111 · Membership Dues	115.00
TOTAL						<u>115.00</u>
Bill Pmt -Check	05/30/2019	21499	NELSON, ANNA	Employee Reimbursement	1012 · Bank of America Gen'l Ckg	
Bill	05/23/2019			Lunch meetings with IEUA, MVWD, and JCSD	6141.3 · Admin Meetings	108.64
				Mileage reimbursement-5/02/19 WQ Colloquium	6173 · Airfare/Mileage	11.48
TOTAL						<u>120.12</u>
Bill Pmt -Check	05/30/2019	21500	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	05/23/2019	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	857.37
TOTAL						<u>857.37</u>
Bill Pmt -Check	05/30/2019	21501	ULLOA, EUNICE	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	05/08/2019	5/08 Admin Mtg		5/08/19 Administrative meeting w/PK	6311 · Board Member Compensation	125.00
Bill	05/09/2019	5/09 Appro Pool Mtg		5/09/19 Appropriative Pool meeting	6311 · Board Member Compensation	125.00
Bill	05/16/2019	5/16 Advisory Comm		5/16/19 Advisory Committee meeting	6311 · Board Member Compensation	125.00
Bill	05/23/2019	5/23 Board Mtg		5/23/19 Board meeting	6311 · Board Member Compensation	125.00
TOTAL						<u>500.00</u>

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CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
May 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	05/30/2019	21502	VERIZON WIRELESS	9830049533	1012 · Bank of America Gen'l Ckg	
Bill	05/23/2019	9830049533		Acct #642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	100.08
TOTAL						<u>100.08</u>
General Journal	05/31/2019	19/05/18	ADP, LLC	ADP Payroll Service for 05/18/19-536033830	1012 · Bank of America Gen'l Ckg	
				ADP Payroll Service for 05/18/19-536033830	1012 · Bank of America Gen'l Ckg	167.60
TOTAL						<u>167.60</u>
General Journal	05/31/2019	05/31/2019	Wage Works FSA Direct Debits - May 2019	Wage Works FSA Direct Debits - May 2019	1012 · Bank of America Gen'l Ckg	
				Wage Works FSA Direct Debits - May 2019	1012 · Bank of America Gen'l Ckg	509.60
				Wage Works FSA Direct Debits - May 2019	1012 · Bank of America Gen'l Ckg	509.60
				Wage Works FSA Direct Debits - May 2019	1012 · Bank of America Gen'l Ckg	-10.78
				Wage Works FSA Direct Debits - May 2019	1012 · Bank of America Gen'l Ckg	76.25
TOTAL						<u>1,084.67</u>
General Journal	05/31/2019	05/31/2019	Payroll and Taxes for 05/19/19-06/01/19	Payroll and Taxes for 05/19/19-06/01/19	1012 · Bank of America Gen'l Ckg	
				Direct deposits for 05/19/19-06/01/19	1012 · Bank of America Gen'l Ckg	38,806.92
				Payroll Taxes for 05/19/19-06/01/19	1012 · Bank of America Gen'l Ckg	12,459.50
			ICMA-RC	457(f) EE Deductions for 05/19/19-06/01/19	1012 · Bank of America Gen'l Ckg	5,166.72
			ICMA-RC	401 (a) EE Deductions for 05/19/19-06/01/19	1012 · Bank of America Gen'l Ckg	1,481.89
TOTAL						<u>57,915.03</u>
					<b>Total Disbursements:</b>	<u><u>947,650.97</u></u>

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# CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 25, 2019  
TO: Board Members  
SUBJECT: VISA Check Detail Report - Financial Report B2 (May 31, 2019)

### SUMMARY

Issue: Record of VISA credit card payment disbursed for the month of May 2019.

Recommendation: Receive and file VISA Check Detail Report for May 2019 as presented.

Financial Impact: Funds disbursed were included in the FY 2018/19 "Amended" Watermaster Budget.

### Future Consideration

Watermaster Board – July 25, 2019: Receive and File (Normal Course of Business)

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### ACTIONS:

Appropriative Pool – July 11, 2019: Received and filed

Non-Agricultural Pool – July 11, 2019: Moved unanimously to receive and file, without approval

Agricultural Pool – July 11, 2019: Received and filed

Advisory Committee – July 18, 2019: Received and filed

Watermaster Board – July 25, 2019:

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

## BACKGROUND

A monthly VISA Check Detail report is provided to keep all members apprised of Watermaster expenditures charged against the General Manager and Chief Financial Officer's Bank of America VISA card.

## DISCUSSION

The total cash disbursements during the month of May 2019 was \$8,300.80. The payment was processed in the amount of \$8,300.80 (by check number 21472 dated May 224, 2019). The monthly charges for May 2019 of \$8,300.80 were for routine and customary expenditures and properly documented with receipts.

## ATTACHMENTS

1. Financial Report - B2

CHINO BASIN WATERMASTER  
VISA Check Detail Report  
May 2019

Type	Num	Date	Name	Memo	Account	Paid Amount
Bill Pmt -Check	05/22/2019	21472	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	XXXX-XXXX-XXXX-9341		Renewal of Costco membership	6111 · Membership Dues	169.68
				50% deposit-GoDaddy website hosting	6055 · Computer Hardware	1,696.77
				50% deposit-Office 365 migration	6055 · Computer Hardware	3,255.92
				Matting/framing prints for office	6031.7 · Other Office Supplies	352.34
				Purchase phone accessories	6031.7 · Other Office Supplies	17.34
				Miscellaneous office supplies	6031.7 · Other Office Supplies	408.95
				Lunch-5/02/19 WQ Colloquium-CBWCD	6909.1 · OBMP Meetings	806.17
				Miscellaneous office supplies	6031.7 · Other Office Supplies	253.41
				Miscellaneous office supplies	6031.7 · Other Office Supplies	13.18
				PK meeting w/S. Elie, C. Rodriguez	6312 · Meeting Expenses	83.34
				PK meeting w/V. Jew, J. Bosler	8312 · Meeting Expenses	35.18
				Get well flowers for C. Miller	6141.1 · Meeting Supplies	66.10
				Recertification fee for A. Nelson CAP	6111 · Membership Dues	94.27
				Miscellaneous office supplies	6031.7 · Other Office Supplies	24.09
				Purchase rugs for front office	6036 · Minor Office Furniture	664.57
				Miscellaneous office supplies	6031.7 · Other Office Supplies	7.06
				Miscellaneous office supplies	6031.7 · Other Office Supplies	19.69
				Miscellaneous office supplies	6031.7 · Other Office Supplies	21.67
				PK mtg w/S. Elie	6312 · Meeting Expenses	37.06
				Miscellaneous office supplies	6031.7 · Other Office Supplies	28.60
				PK mtg w/T. O'Neill	8312 · Meeting Expenses	33.31
				Breakfast-5/02/19 WQ Colloquium-CBWCD	6909.1 · OBMP Meetings	212.10
					<b>Total Disbursements:</b>	<b><u>8,300.80</u></b>

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 25, 2019  
TO: Board Members  
SUBJECT: Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through May 31, 2019 - Financial Report B3 (May 31, 2019)

### SUMMARY

Issue: Record of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through May 31, 2019.

Recommendation: Receive and file Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through May 31, 2019 as presented.

Financial Impact: Funds disbursed were included in the FY 2018/19 "Amended" Watermaster Budget.

### Future Consideration

Watermaster Board – July 25, 2019: Receive and File (Normal Course of Business)

---

### ACTIONS:

Appropriative Pool – July 11, 2019: Received and filed

Non-Agricultural Pool – July 11, 2019: Moved unanimously to receive and file, without approval

Agricultural Pool – July 11, 2019: Received and filed

Advisory Committee – July 18, 2019: Received and filed

Watermaster Board – July 25, 2019:

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

## BACKGROUND

A Combining Schedule of Revenue, Expenses and Changes in Net Assets for the period July 1, 2018 through May 31, 2019 is provided to keep all members apprised of the FY 2018/19 cumulative Watermaster revenues, expenditures and changes in net assets for the period listed.

## DISCUSSION

The Combining Schedule of Revenue, Expenses and Changes in Net Assets has been created from various financial reports and statements created from Intuit QuickBooks Enterprise Solutions 18.0, the Watermaster accounting system. The Combining Schedule provided balances to the supporting documentation in the Watermaster accounting system as presented.

## ATTACHMENTS:

1. Financial Report - B3

CHINO BASIN WATERMASTER  
 COMBINING SCHEDULE OF REVENUE, EXPENSES AND CHANGES IN NET ASSETS  
 FOR THE PERIOD JULY 1, 2018 THROUGH MAY 31, 2019

	WATERMASTER ADMINISTRATION	OPTIMUM BASIN MANAGEMENT	POOL ADMINISTRATION & SPECIAL PROJECTS			GROUNDWATER REPLENISHMENT	LAIF VALUE ADJ.	GASB 75 BEG. NET POSITION	GRAND TOTALS	AMENDED BUDGET 2018-2019
			APPROPRIATIVE POOL	AG POOL	NON-AG POOL					
Administrative Revenues:										
Administrative Assessments			8,298,615		392,157				8,690,772	8,655,545
Interest Revenue			153,238	8,820	1,633				163,691	63,968
Mutual Agency Project Revenue	167,712								167,712	167,712
Miscellaneous Income	230								230	0
<b>Total Revenues</b>	<b>167,942</b>	-	<b>8,451,853</b>	<b>8,820</b>	<b>393,791</b>	-	-	-	<b>9,022,406</b>	<b>8,887,225</b>
Administrative & Project Expenditures:										
Watermaster Administration	1,741,847								1,741,847	1,337,141
Watermaster Board-Advisory Committee	178,406								178,406	226,519
Ag Pool Misc. Expense - Ag Fund				-					-	400
Pool Administration			127,794	373,484	132,360				633,638	624,643
Optimum Basin Mgmt Administration		1,736,315							1,736,315	2,273,267
OBMP Project Costs		4,099,234							4,099,234	5,503,869
Debt Service		580,585							580,585	580,585
Basin Recharge Improvements		1,417,518							1,417,518	3,068,941
<b>Total Administrative/OBMP Expenses</b>	<b>1,920,252</b>	<b>7,833,651</b>	<b>127,794</b>	<b>373,484</b>	<b>132,360</b>	-	-	-	<b>10,387,541</b>	<b>13,615,365</b>
<b>Net Administrative/OBMP Expenses</b>	<b>(1,752,310)</b>	<b>(7,833,651)</b>								
Allocate Net Admin Expenses To Pools	1,752,310		1,230,929	455,803	65,579				-	-
Allocate Net OBMP Expenses To Pools		5,835,549	4,099,242.66	1,517,916	218,390.00				-	-
Allocate Debt Service to App Pool		580,585	580,585						-	-
Allocate Basin Recharge to App Pool		1,417,518	1,417,518						-	-
Agricultural Expense Transfer*			2,347,203	(2,347,203)					-	-
<b>Total Expenses</b>			<b>9,803,270</b>	<b>-</b>	<b>416,329</b>	-	-	-	<b>10,387,541</b>	<b>13,615,365</b>
<b>Net Administrative Income</b>			<b>(1,351,418)</b>	<b>8,820</b>	<b>(22,538)</b>	-	-	-	<b>(1,365,136)</b>	<b>(4,728,140)</b>
Other Income/(Expense)										
Replenishment Water Assessments						796,239			796,239	0
Desalter Replenishment Obligation						-			-	0
Non-Ag Stored Water Purchases									-	0
Exhibit "G" Non-Ag Pool Water			131,000						131,000	0
RTS Charges from IEUA						(29,084)			(29,084)	0
Interest Revenue						6,949			6,949	0
MWD Water Purchases									-	0
Non-Ag Stored Water Purchases									-	0
Exhibit "G" Non-Ag Pool Water			(131,000)						(131,000)	0
MWD Water Purchases						(459,025)			(459,025)	0
Groundwater Replenishment						-			-	0
LAIF - Fair Market Value Adjustment							-		-	0
Other Post-Employment Benefits (OPEB)									-	0
Refund-Excess Reserves									-	0
Refund-Recharge Debt			(57,732)						(57,732)	0
Funding To/(From) Reserves									-	0
<b>Net Other Income/(Expense)</b>			<b>(57,732)</b>	<b>-</b>	<b>-</b>	<b>315,079</b>	<b>-</b>	<b>-</b>	<b>257,347</b>	<b>0</b>
<b>Net Transfers To/(From) Reserves</b>		<b>(1,107,789)</b>	<b>(1,409,150)</b>	<b>8,820</b>	<b>(22,538)</b>	<b>315,079</b>	<b>-</b>	<b>-</b>	<b>(1,107,789)</b>	<b>(4,728,140)</b>
<b>Net Assets, July 1, 2018</b>			<b>9,661,977</b>	<b>493,108</b>	<b>80,791</b>	<b>(4,534)</b>	<b>(20,461)</b>	<b>(443,445)</b>	<b>9,767,436</b>	
<b>Net Assets, End of Period</b>			<b>8,252,827</b>	<b>501,928</b>	<b>58,253</b>	<b>310,545</b>	<b>(20,461)</b>	<b>(443,445)</b>	<b>8,659,647</b>	<b>8,659,647</b>
<b>17/18 Assessable Production</b>			<b>76,859,928</b>	<b>28,460,605</b>	<b>4,094,766</b>				<b>109,415,299</b>	
<b>17/18 Production Percentages</b>			<b>70.246%</b>	<b>26.012%</b>	<b>3.742%</b>				<b>100.000%</b>	

\*Fund balance transfer as agreed to in the Peace Agreement.

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# CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 25, 2019  
TO: Board Members  
SUBJECT: Treasurer's Report of Financial Affairs for the Period May 1, 2019 through May 31, 2019 -  
Financial Report B4 (May 31, 2019)

### SUMMARY

Issue: Record of increases or decreases in the cash position, assets and liabilities of Watermaster for the Period of May 1, 2019 through May 31, 2019.

Recommendation: Receive and file Treasurer's Report of Financial Affairs for the Period May 1, 2019 through May 31, 2019 as presented.

Financial Impact: Funds disbursed were included in the FY 2018/19 "Amended" Watermaster Budget.

### Future Consideration

**Watermaster Board – July 25, 2019:** Receive and File (Normal Course of Business)

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### ACTIONS:

**Appropriative Pool – July 11, 2019:** Received and filed  
**Non-Agricultural Pool – July 11, 2019:** Moved unanimously to receive and file, without approval  
**Agricultural Pool – July 11, 2019:** Received and filed  
**Advisory Committee – July 18, 2019:** Received and filed  
**Watermaster Board – July 25, 2019:**

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

## BACKGROUND

A Treasurer's Report of Financial Affairs for the Period May 1, 2019 through May 31, 2019 is provided to keep all members apprised of the total cash in banks (Bank of America, LAIF, and CalTRUST); cash on deposit in trust with the County of San Bernardino as a result of the Cooperation and Reimbursement Agreement between Chino Basin Watermaster and County of San Bernardino dated May 25, 2017; and cash on hand at the Watermaster office (petty cash) at the end of the period stated. The Treasurer's Report details the change (increase or decrease) in the overall cash position of Watermaster, as well as the changes (increase or decrease) to the assets and liabilities section of the balance sheet. The report also provides a detailed listing of all deposits and/or withdrawals in the California State Treasurer's Local Agency Investment Fund (LAIF) and/or CalTRUST, the most current effective yield as of the last quarter, and the ending balance in LAIF as of the reporting date.

## DISCUSSION

The Treasurer's Report of Financial Affairs has been created from various financial reports and statements created from Intuit QuickBooks Enterprise Solutions 18.0, the Watermaster accounting system. The Treasurer's Report provided, balances to the supporting documentation in the Watermaster accounting system, as well as the supporting bank statements.

## ATTACHMENTS

1. Financial Report - B4

**CHINO BASIN WATERMASTER  
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD  
MAY 1, 2019 THROUGH MAY 31, 2019**

Financial Report - B4

**DEPOSITORIES:**

Cash on Hand - Petty Cash			\$ 500
Bank of America			
Governmental Checking-Demand Deposits	\$	543,972	
Zero Balance Account - Payroll		-	543,972
Trust Account - County of San Bernardino			845
Local Agency Investment Fund - Sacramento			10,119,068
<b>TOTAL CASH IN BANKS AND ON HAND</b>		<b>5/31/2019</b>	<b>\$ 10,664,386</b>
TOTAL CASH IN BANKS AND ON HAND		<b>4/30/2019</b>	<b>11,590,957</b>
<b>PERIOD INCREASE (DECREASE)</b>			<b>\$ (926,571)</b>

**CHANGE IN CASH POSITION DUE TO:**

Decrease/(Increase) in Assets:			
Accounts Receivable			\$ (5,320)
Assessments Receivable			-
Prepaid Expenses, Deposits & Other Current Assets			(556)
(Decrease)/Increase in Liabilities			
Accounts Payable			(208,019)
Accrued Payroll, Payroll Taxes & Other Current Liabilities			(36,991)
Long Term Liabilities			(10,204)
Transfer to/(from) Reserves			(665,482)
<b>PERIOD INCREASE (DECREASE)</b>			<b>\$ (926,571)</b>

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**SUMMARY OF FINANCIAL TRANSACTIONS:**

	Petty Cash	Gov't'l Checking Demand	Zero Balance Account Payroll	Trust Account County of San Bernardino	Local Agency Investment Funds	Totals
Balances as of 4/30/2019	\$ 500	\$ 313,543	\$ -	\$ 845	\$ 11,276,068	\$ 11,590,957
Deposits	-	1,178,080	-	-	-	1,178,080
Transfers	-	(132,374)	(89,099)	-	(1,157,000)	(1,378,474)
Withdrawals/Checks	-	(815,277)	89,099	-	-	(726,177)
<b>Balances as of 5/31/2019</b>	<b>\$ 500</b>	<b>\$ 543,972</b>	<b>\$ -</b>	<b>\$ 845</b>	<b>\$ 10,119,068</b>	<b>\$ 10,664,386</b>
<b>PERIOD INCREASE OR (DECREASE)</b>	<b>\$ -</b>	<b>\$ 230,429</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (1,157,000)</b>	<b>\$ (926,571)</b>

**CHINO BASIN WATERMASTER  
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD  
MAY 1, 2019 THROUGH MAY 31, 2019**

**INVESTMENT TRANSACTIONS**

Effective Date	Transaction	Depository	Activity	Redeemed	Days to Maturity	Interest Rate(*)	Maturity Yield
5/6/2019	Withdrawal		(572,000)				
5/28/2019	Withdrawal		(585,000)				
<b>TOTAL INVESTMENT TRANSACTIONS</b>			<b>\$ (1,157,000)</b>	<b>\$0</b>			

\* The earnings rate for L.A.I.F. is a daily variable rate; 2.55% was the effective yield rate at the Quarter ended March 31, 2019.

**INVESTMENT STATUS  
May 31, 2019**

<u>Financial Institution</u>	<u>Principal Amount</u>	<u>Number of Days</u>	<u>Interest Rate</u>	<u>Maturity Date</u>
Local Agency Investment Fund	\$ 10,119,068			
<b>TOTAL INVESTMENTS</b>	<b>\$ 10,119,068</b>			

Funds on hand are sufficient to meet all foreseen and planned Administrative and project expenditures during the next six months.

All investment transactions have been executed in accordance with the criteria stated in Chino Basin Watermaster's Investment Policy.

Respectfully submitted,



Joseph S. Joswiak  
Chief Financial Officer  
Chino Basin Watermaster

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# CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 25, 2019  
TO: Board Members  
SUBJECT: Budget vs. Actual Report for the Period July 1, 2018 through May 31, 2019 -  
Financial Report B5 (May 31, 2019)

### SUMMARY

Issue: Record of revenues and expenses of Watermaster for the Period of July 1, 2018 through May 31, 2019.

Recommendation: Receive and file Budget vs. Actual Report for the Period July 1, 2018 through May 31, 2019 as presented.

Financial Impact: Funds disbursed were included in the FY 2018/19 "Amended" Watermaster Budget.

### Future Consideration

Watermaster Board – July 25, 2019: Receive and File (Normal Course of Business)

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### ACTIONS:

Appropriative Pool – July 11, 2019: Received and filed

Non-Agricultural Pool – July 11, 2019: Moved unanimously to receive and file, without approval

Agricultural Pool – July 11, 2019: Received and filed

Advisory Committee – July 18, 2019: Received and filed

Watermaster Board – July 25, 2019:

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

## BACKGROUND

A Budget vs. Actual Report for the period July 1, 2018 through May 31, 2019 is provided to keep all members apprised of the total revenues and expenses for the current fiscal year. The expense section is categorized into four distinct sections. Those sections are: General and Administrative Expenses; Optimum Basin Management Program Expenses; Project Expenses; and Other Income/Expenses. The Budget vs. Actual report has been created from Intuit QuickBooks Enterprise Solutions 18.0, the Watermaster accounting system. The Budget vs. Actual report provided, balances to the supporting documentation in the Watermaster accounting system, as well as the supporting bank statements.

## DISCUSSION

### CURRENT MONTH – MAY 2019

Year-To-Date (YTD) for the eleven months ending May 31, 2019, all but five categories were at or below the projected budget. The categories over budget were: (1) the Administration Salary/Benefits expenses (6010's) which were over budget by \$70,130 or 7.2% as a result of increased staff time and activities in the administrative functions. Please note that the overage is only in the administrative section, not with the entire consolidated staffing budget; (2) Watermaster Legal Services expenses (6070's) over budget by \$289,627 or 202.5% as a result of miscellaneous legal matters as detailed in the BHFS section; (3) Business Insurance expenses (6080's) over budget by \$7,668 or 26.6% as a result of the additional coverage for Environmental and Pollution Liability as recommended by our broker, for water sampling activities within the basin by the Watermaster staff, not budgeted for in the FY 2018/19 budget; (4) Agricultural Pool Legal Services (8467's) over budget by \$121,637 or 64.7% as a result of increased legal activities performed by the Agricultural Pool's attorney during the months of July 2018 through March 2019; and (5) PE4-Mgmt Plan expenses (7400's) over budget by \$12,712 or 0.6% as a result of increased engineering activities performed in completing the Northwest MZ1 Area Project.

For the majority of the expense categories within the Watermaster budget for FY 2018/19, the individual line-item budgets are divided into 12-monthly amounts and allocated accordingly. As the fiscal year progresses, these categories listed above could level out over time and be within the budget levels.

As reported during the meetings held in June, the Budget Amendment and Budget Transfer Forms are scheduled for Pool, Advisory Committee, and Board approval during the meeting month of August 2019. By presenting the Budget Amendment and Budget Transfer Forms during the meeting month of August, the accounting records would be for 12 months of actual expenses and not require any estimation of expenses at fiscal year-end. This "true-up" method will provide the most exact and accurate accounting records. The three categories requiring a Budget Amendment and Budget Transfer Forms to fund the shortfall in expenses are: (1) the Watermaster Legal Services expenses from BHFS within account category (6070's); (2) the Business Insurance expenses within account category (6080's); and (3) the Agricultural Pool Legal Services within the account category (8467's). It is anticipated that the required funding, if not available from a Budget Transfer Form, would come from the Administrative and OBMP Reserve Funds which are currently funded at \$204,620 and \$918,816 respectively.

Overall, the Watermaster (YTD) Actual Expenses were \$2,716,781 or 20.7% below the (YTD) Budgeted Expenses of \$13,104,322.

### PREVIOUSLY REPORTED ACTIONS (Descending Order)

April 2019:

As discussed at the FY 2018/19 Mid-Year Review during the February 2019 Pool and Board meetings, Watermaster is not recommending a Budget Amendment or Budget Transfer Form at this time. However, if the over budget trends listed above continue during FY 2018/19, a Budget Amendment and/or Budget Transfer Form would be required to ensure Watermaster's ability to fund the ongoing expenses.

July 2018:

During the month of July 2018, the "Carry Over" funding was calculated. The Total "Carry Over" funding amount of \$4,728,140.07 has been posted to the general ledger accounts. The total amount of \$4,728,140.07 consisted of \$3,068,940.82 from Capital Improvement Projects, \$1,594,653.00 from Engineering Services, and \$64,546.25 from Administration Services. More detailed information is provided regarding this issue under the "Carry Over" Funding section.

The Amended Budget for FY 2018/19 is \$13,615,365.07 which includes \$4,728,140.07 for the prior years "Carry Over" funding. The Original Approved budget for FY 2018/19 of \$8,887,225 was adopted by the Watermaster Board on May 24, 2018 ( $\$8,887,225 + \$4,728,140.07 = \$13,615,365.07$ ).

## SALARIES EXPENSE

### CURRENT MONTH – MAY 2019

As of May 31, 2019, the total (YTD) Watermaster salary expenses were \$51,397 or 2.9% below the (YTD) budgeted amount of \$1,755,845. The overall staffing budget was developed with a staffing level of ten Full-Time Equivalent (FTE's), and staffing is currently at ten Full-Time Equivalent (FTE's).

Watermaster utilizes an in-house database time and attendance system to track and record staff's actual hours worked and records those hours to a specific project or activity. This time and attendance database of captured staff hours and activities is the basis for the bi-weekly payrolls which are processed using an external payroll processing service. Watermaster staff can record time to a large number of activities but the five most used categories are as follows (1) General Administrative activities; (2) Paid Leaves of vacation, sick or holiday; (3) Pools, Advisory or Board Meeting attendance; (4) OBMP activities; and (5) OBMP Implementation Program Elements 1 through 9 activities.

When the FY 2018/19 budget was developed, basic assumptions were used in allocating how staff's time would be spent and on which of the projects or activities. The staffing dollars were then allocated into those specific areas and budgeted on a 1/12 monthly budget. When actual staffing activities vary from the budgeted assumptions, a positive or negative variance can be created. Currently, the allocations are tracking within budget.

The table summarizes the Year-To-Date (YTD) Actual Watermaster salary costs compared to the Year-To-Date (YTD) Budget as of May 31, 2019. Please be advised that the "\$ Over Budget" and the "% of Budget" columns are a comparison of the (YTD) Actual to the (YTD) Budget, not the 12-month Annual Budget. The 12-month Annual Budget column is presented only to provide the data in a full and complete format. The following details are provided:

	<u>Jul '18 - May '19</u> <u>Actual</u>	<u>Jul '18 - May '19</u> <u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>	<u>FY 2018/19</u> <u>Annual Budget</u>
<b>WM Salary Expense</b>					
6011 · WM Staff Salaries	1,072,467.32	916,764.00	155,703.32	116.98%	993,161.00
6011.1 · WM Staff Salaries - Overtime	10,534.31	0.00	10,534.31	100.0%	0.00
6011.4 · 457(f) NQDC Plan	26,086.21	32,714.00	-6,627.79	79.74%	37,034.00
6017 · Temporary Services	0.00	19,250.00	-19,250.00	0.0%	21,000.00
6201 · Advisory Committee - WM Staff Salaries	19,700.63	23,316.00	-3,615.37	84.49%	25,259.00
6301 · Watermaster Board - WM Staff Salaries	34,779.55	37,313.00	-2,533.45	93.21%	40,422.00
8301 · Appropriative Pool - WM Staff Salaries	34,965.79	34,686.00	279.79	100.81%	37,577.00
8401 · Agricultural Pool - WM Staff Salaries	19,382.87	29,381.00	-9,998.13	65.97%	31,829.00
8501 · Non-Agricultural Pool - WM Staff Salaries	15,700.53	20,042.00	-4,341.47	78.34%	21,712.00
6901 · OBMP - WM Staff Salaries	71,440.92	130,090.00	-58,649.08	54.92%	140,931.00
7101.1 · Production Monitor - WM Staff Salaries	52,502.86	59,165.00	-6,662.14	88.74%	64,095.00
7102.1 · In-line Meter - WM Staff Salaries	0.00	17,222.00	-17,222.00	0.0%	18,657.00
7103.1 · Grdwater Quality - WM Staff Salaries	25,296.68	66,282.00	-40,985.32	38.17%	71,806.00
7104.1 · Grdwater Level - WM Staff Salaries	78,960.80	58,592.00	20,368.80	134.76%	63,475.00
7107.1 · GrdLevel Monitoring - WM Staff Salaries	2,304.17	4,883.00	-2,578.83	47.19%	5,290.00
7108.1 · Hydraulic Control - WM Staff Salaries	483.80	3,706.00	-3,222.20	13.06%	4,015.00
7108.11 · Prado Basin - WM Staff Salaries	0.00	5,046.00	-5,046.00	0.0%	5,466.00
7201 · Comp Recharge - WM Staff Salaries	52,473.70	53,985.00	-1,511.30	97.2%	58,482.00
7301 · PE3&5 - WM Staff Salaries	1,474.40	3,930.00	-2,455.60	37.52%	4,174.00
7401 · PE4 - WM Staff Salaries	19,985.20	20,156.00	-170.80	99.15%	21,919.00
7501 · PE6&7 - WM Staff Salaries	2,285.31	5,158.00	-2,872.69	44.31%	5,588.00
7501.1 · PE 6&7 - WM Staff Salaries (Plume)	0.00	4,546.00	-4,546.00	0.0%	4,925.00
7601 · PE8&9 - WM Staff Salaries	7,010.16	19,708.00	-12,697.84	35.57%	21,350.00
<b>Subtotal WM Staff Costs</b>	<b>1,547,835.21</b>	<b>1,565,935.00</b>	<b>-18,099.79</b>	<b>98.84%</b>	<b>1,698,167.00</b>
60185 · Vacation	83,564.68	71,139.00	12,425.68	117.47%	77,067.00
60186 · Sick Leave	17,404.11	50,452.00	-33,047.89	34.5%	54,656.00
60187 · Holidays	55,643.66	68,319.00	-12,675.34	81.45%	68,319.00
<b>Subtotal WM Paid Leaves</b>	<b>156,612.45</b>	<b>189,910.00</b>	<b>-33,297.55</b>	<b>82.47%</b>	<b>200,042.00</b>
<b>Total WM Salary Costs</b>	<b>1,704,447.66</b>	<b>1,755,845.00</b>	<b>-51,397.34</b>	<b>97.07%</b>	<b>1,898,209.00</b>

PREVIOUSLY REPORTED ACTIONS (Descending Order)

August 2018:

Two candidates for the Field Operations Specialist (position #9 and position #10) were presented with a conditional offer letter dated September 7, 2018. Both candidates successfully cleared a background investigation, drug screening, and pre-employment physical. The two new Watermaster employees started employment on Tuesday, October 2, 2018. Both employees will be introduced to the Watermaster parties at the Pools, Advisory, and Board meetings during the month of October 2018.

July 2018:

The Sr. Field Operations Specialist submitted his written resignation on July 3, 2018 and left employment of Watermaster on July 17, 2018. Watermaster staff met with the Personnel Committee on August 23, 2018 to discuss the plan to reclassify Position #10 from a Water Resources Associate to a Sr. Field Operations Specialist. The Personnel Committee unanimously approved and recommended moving forward with the new position reclassification and adjustment.

The positions of Field Operations Specialist (Position #9) and Sr. Field Operations Specialist (Position #10) are currently under recruitment. The final selection of the two top candidates, along with issuance of a conditional offer of employment will take place before September 10, 2018 with the final screening process being successful completion of a background investigation, passing a drug test, and passing a pre-employment physical. The two positions are anticipated to be onboard with Watermaster as early as October 1, 2018. Both candidates will be introduced to the Watermaster parties at the Pools, Advisory, and Board meetings scheduled for October 2018.

LEGAL SERVICES

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

## BROWNSTEIN HYATT FARBER SCHRECK EXPENSES

### CURRENT MONTH – MAY 2019

The Watermaster Legal Services budget was developed jointly by the Watermaster staff and Brownstein Hyatt Farber Schreck staff with specific assumptions regarding the tasks and legal activities that would occur during FY 2018/19. The total legal services budget was developed by multiplying the number of hours that would be required to complete the specific tasks by the hourly rate. The "Approved" budget was adopted for the original amount of \$963,028.

As of May 31, 2019, the total (YTD) Watermaster Legal Services expenses (consolidating the three categories of Watermaster Administrative Legal Services, Pool/Advisory/Board Meeting legal expenses, and OBMP legal expenses) were \$83,506 or 9.5% above the (YTD) budgeted amount of \$882,409.

### WATERMASTER ADMINISTRATIVE LEGAL SERVICES:

Overall, the Watermaster Administrative Legal Services expense (6070's) as of May 31, 2019, was \$289,627 or 202.5% above the budgeted amount of \$143,014. The specific items within the Administrative Legal Services expenses (6070's) which were over budget were Court Coordination (6071) over budget by \$27,454 or 68.5%; Personnel Matters (6073) which were over budget by \$42,959 or 473.4%; Party Status Maintenance (6077) which were over budget by \$5,545 or 33.3%; the Miscellaneous Category (6078) which were over budget by \$231,934 or 669.4%; the Assessment Packages-Updates (6078.13) which were over budget by \$8,639 or 100%; and the Ely Basin Investigation (6078.25) which were over budget by \$9,581 or 100%. Please see Note 1 on the following page for a more detailed explanation of the miscellaneous types of expenses (6078).

The specific items within the Administrative Legal Services expenses (6070's) which were under budget were the expenses for Rules and Regulations (6072) under budget by \$3,815 or 38.4%; and Interagency Issues (6074) under budget by \$32,670 or 100.0%.

### WATERMASTER POOLS, ADVISORY AND BOARD LEGAL SERVICES:

The Pools, Advisory Committee and the Board meeting legal expenses from BHFS are captured by month within the accounts (6275, 6375, 6375.1, 8375, 8475 and 8575). The legal service costs associated with the Board Workshop(s) are also included as part of this group. Overall, this category of legal expenses as of May 31, 2019 was \$47,472 or 26.9% below the budgeted amount of \$176,288. Normal Brownstein Hyatt Farber Schreck meeting attendance during any given month includes attendance at all three pool meetings, one Advisory Committee meeting and one Board meeting. The legal services budget was developed with the assumption of having eleven months of meetings, intentionally excluding the month of December 2018. With regards to the Board Meeting expenses (6375), an additional Special Board Meeting was held during the month of July 2018 which increased the legal services for this specific line item category.

### OBMP LEGAL SERVICES:

The OBMP legal expenses (accounts 6907.31 through 6907.90) were below the budget for the month. As of May 31, 2019, the category of OBMP legal expenses were \$158,648 or 28.2% below the budgeted amount of \$563,107. The majority of expenses within this OBMP category were under budget (YTD), however, the Safe Yield Recalculation legal expenses (6907.42) were over budget by \$156,299 or 149.6%; and the Upper SAR Integrated Model expenses (6907.46) were over budget by \$1,021 or 100%.

The table listed below summarizes the Brownstein Hyatt Farber Schreck (BHFS) expenses as of May 31, 2019 compared to the Year-To-Date (YTD) budget. Please be advised that the "\$ Over Budget" and the "% of Budget" columns are a comparison of the (YTD) Actual to the (YTD) Budget, not the 12-month Annual Budget. The 12-month Annual Budget column is presented only to provide the data in a full and complete format. The following details are provided:

	Jul '18 - May '19 Actual	Jul '18 - May '19 Budget	\$ Over Budget	% of Budget	FY 2018/19 Annual Budget
<b>6070 · Watermaster Legal Services</b>					
6071 · BHFS Legal - Court Coordination	67,512.18	40,058.00	27,454.18	168.54%	43,700.00
6072 · BHFS Legal - Rules & Regulations	6,108.30	9,923.00	-3,814.70	61.56%	10,825.00
6073 · BHFS Legal - Personnel Matters	52,033.73	9,075.00	42,958.73	573.37%	9,900.00
6074 · BHFS Legal - Interagency Issues	0.00	32,670.00	-32,670.00	0.0%	35,640.00
6076 · BHFS Legal - Storage Issues	0.00	0.00	0.00	0.0%	0.00
6077 · BHFS Legal - Party Status Maintenance	22,182.72	16,638.00	5,544.72	133.33%	18,150.00
6078 · BHFS Legal - Miscellaneous (Note 1)	266,583.69	34,650.00	231,933.69	769.36%	37,800.00
6078.13 · BHFS - Assessment Packages-Updates	8,638.65	0.00	8,638.65	100.0%	0.00
6078.25 · BHFS - Ely # Basin Investigation	9,581.40	0.00	9,581.40	100.0%	0.00
<b>Total 6070 · Watermaster Legal Services</b>	<b>432,640.67</b>	<b>143,014.00</b>	<b>289,626.67</b>	<b>302.52%</b>	<b>156,015.00</b>
6275 · BHFS Legal - Advisory Committee	15,206.62	19,800.00	-4,593.38	76.8%	21,780.00
6375 · BHFS Legal - Board Meeting	68,586.59	70,200.00	-1,613.41	97.7%	77,220.00
6375.1 · BHFS Legal - Board Workshop(s)	0.00	12,038.00	-12,038.00	0.0%	12,038.00
8375 · BHFS Legal - Appropriative Pool	15,662.33	24,750.00	-9,087.67	63.28%	27,225.00
8475 · BHFS Legal - Agricultural Pool	15,061.08	24,750.00	-9,688.92	60.85%	27,225.00
8575 · BHFS Legal - Non-Ag Pool	14,299.26	24,750.00	-10,450.74	57.78%	27,225.00
<b>Total BHFS Legal Services</b>	<b>128,815.88</b>	<b>176,288.00</b>	<b>-47,472.12</b>	<b>73.07%</b>	<b>192,713.00</b>
<b>6907.3 · WM Legal Counsel</b>					
6907.31 · Archibald South Plume	0.00	12,031.00	-12,031.00	0.0%	13,125.00
6907.32 · Chino Airport Plume	4,765.23	12,031.00	-7,265.77	39.61%	13,125.00
6907.33 · Desalter/Hydraulic Control	1,877.08	21,656.00	-19,778.92	8.67%	23,625.00
6907.34 · Santa Ana River Water Rights	11,393.43	14,919.00	-3,525.57	76.37%	16,275.00
6907.36 · Santa Ana River Habitat	9,745.67	39,692.00	-29,946.33	24.55%	43,300.00
6907.38 · Reg. Water Quality Cntrl Board	212.40	14,437.00	-14,224.60	1.47%	15,750.00
6907.39 · Recharge Master Plan	42,287.29	43,450.00	-1,162.71	97.32%	47,400.00
6907.40 · Storage Agreements	19,812.93	84,700.00	-64,887.07	23.39%	92,400.00
6907.41 · Prado Basin Habitat Sustainability	5,759.09	14,896.00	-9,136.91	38.66%	16,250.00
6907.42 · Safe Yield Recalculation	260,798.66	104,500.00	156,298.66	249.57%	114,000.00
6907.44 · SGMA Compliance	11,051.84	72,325.00	-61,273.16	15.28%	78,900.00
6907.45 · OBMP Update	35,734.67	99,183.00	-63,448.33	36.03%	108,200.00
6907.46 · Upper SAR Integrated Model	1,020.60	0.00	1,020.60	100.0%	0.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	29,287.00	-29,287.00	0.0%	31,950.00
<b>Total 6907 · WM Legal Counsel</b>	<b>404,458.89</b>	<b>563,107.00</b>	<b>-158,648.11</b>	<b>71.83%</b>	<b>614,300.00</b>
<b>Total Brownstein, Hyatt, Farber, Schreck Costs</b>	<b>965,915.44</b>	<b>882,409.00</b>	<b>83,506.44</b>	<b>109.46%</b>	<b>963,028.00</b>

Note 1: The types of legal activities that have been charged against the "Miscellaneous" legal category account 6078 are as follows: (1) Correspondence and discussions with Watermaster staff regarding current issues/topics; (2) Correspondence with Watermaster staff regarding special projects (assessment package, replenishment obligations, annual report, audit report, business plan, etc.); (3) Brownstein's status review of ongoing Watermaster projects and issues; (4) Brownstein's update of the outstanding issues list; (5) Coordination of ongoing Watermaster projects; (6) Review of draft documents and contracts; (7) Review transfer documents; (8) Ground-Level Monitoring Committee reports/meetings; (9) Review process and criteria for SGMA reporting; (10) MVWD SCADA Agreement and installation; (11) Angelica Corporation Bankruptcy matter; (12) NRG/GENON Bankruptcy matter; (13) Pomona extensometer project, CEQA review and compliance; (14) Desalter Replenishment obligations, assessment methodologies, and ongoing issues; (15) Master Cost Sharing Agreement with IEUA; (16) Estimation and adoption of an evaporative loss policy for Recharge; (17) CalMat intervention; (18) Angelica's water rights transfer; (19) Exhibit "G" rate issues; (20) Blomquist outline review; (21) Right of Entry Agreements for various locations; (22) 40<sup>th</sup> Anniversary Event; (23) Establishment of 2019 hearing officer panel; (24) Brown Act compliance for websites; (25) Assessment Packages-Updates and Review; and (26) Miscellaneous legal research on current and pending issues.

PREVIOUSLY REPORTED ACTIONS (Descending Order)  
None

**OBMP ENGINEERING SERVICES AND LEGAL COSTS**

CURRENT MONTH – MAY 2019

Reviewing in total the OBMP Engineering Services and Legal Costs (consolidating the four categories of

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OBMP Watermaster Staff and SAWPA, OBMP Engineering Services, OBMP Legal Costs, and OBMP Other Expenses) for the eleven months ending May 31, 2019, the actual expenses of \$1,693,129 were below the budgeted amount of \$1,974,803 by \$281,674 or 14.3%. For a detailed discussion, the following is provided.

For May 31, 2019, the accounts 6901-6903 (Optimum Basin Mgmt. Program) section was below the Year-To-Date (YTD) budget by \$58,970 or 43.1%. Watermaster utilizes an in-house database time and attendance system to record and document staff's actual hours worked and also allocates those hours to a specific project or activity. Watermaster staff time could be charged to Administrative, OBMP, or Implementation Project categories. Recently, Watermaster staff spent less time on specific OBMP related areas as budgeted. As a result, Watermaster staff allocated less actual time to the OBMP project as budgeted, which resulted in an under-budget variance of \$58,649 or 45.1%. The remaining expense was the Santa Ana Watershed Project Authority (SAWPA) FY 2018/19 Basin Monitoring Program Task Force Contribution which was budgeted at \$6,742 and actual expenses were \$321 or 4.8% below budget as of May 31, 2019.

For May 31, 2019, the accounts 6906 (Optimum Basin Mgmt. Program Engineering Services) section was below the Year-To-Date (YTD) budget by \$62,311 or 4.9%. The majority of expenses within this OBMP category were under budget (YTD), however, the accounts which were over budget were as follows: the State of the Basin Report expenses (6906.21) which were over budget by \$7,962 or 5.5%; the 2019 OBMP Update expenses (6906.26) which were over budget by \$11,626 or 8.0%; the OBMP-Data Requests-CBWM Staff expenses (6906.71) which were over budget by \$88,551 or 96.6%; the OBMP-Data Requests-Non CBWM Staff expenses (6906.72) which were over budget by \$3,851 or 13.0%; the County Extraction Well-Modeling expenses (6909.76) which were over budget by \$40,829 or 100%; and the OBMP-2018 RMPU Master Update expenses (6906.90) which were over budget by \$7,232 or 14.5%.

Within the category 6907 (Optimum Basin Mgmt. Program Legal Fees) are the remaining Brownstein Hyatt Farber Schreck (BHFS) Watermaster's legal expenses. Within the legal expense category, some individual line item activities were above the budget by \$157,320 while some other line item activities were below the budget by \$315,968. Above the budget line item were the Safe Yield Recalculation expenses of \$156,299; and the Upper SAR Integrated Model expenses of \$1,021. The individual legal projects/activities that were below budget for the Year-To-Date (YTD) period were the Archibald South Plume of \$12,031; the Chino Airport Plume of \$7,266; the Desalter/Hydraulic Control of \$19,779; the Santa Ana River Water Rights of \$3,526; the Santa Ana River Habitat of \$29,946; the Regional Water Quality Control Board of \$14,225; the Recharge Master Plan expenses of \$1,163; Storage Agreements of \$64,887; the Prado Basin Habitat Sustainability of \$9,137; SGMA Compliance of \$61,273; OBMP Update of \$63,448; and the WM Unanticipated legal expenses of \$29,287. For the eleven months ended May 31, 2019, the overall cumulative (YTD) budget was \$563,107 and the actual (BHFS) legal expenses totaled \$404,459 which resulted in an under-budget variance of \$158,648 or 28.2%.

The OBMP Other Expenses (6909's) were below the budget for the month. These expenses are typically conference calls, meeting expenses, supplies, annual inspection fees, and other miscellaneous type expenses. As of May 31, 2019, this category of expenses was \$1,744 or 22.4% below the budgeted amount of \$7,791.

The WEI Support for IEUA expenses are categorized within the category (6910's). The individual general ledger accounts are as follows: IRP Groundwater Modeling-WEI expenses (6910.10); As Needed Support for Obtaining Grant Funding of RMPU Projects expenses (6910.11); Preparation of a Compliance Demonstration for Stormwater Recharge expenses (6910.12); Ground Water Velocity Field for the San Sevaime Improvement Project expenses (6910.13); Truing-Up the 2013 RMPU Estimates expenses (6910.14); WEI Support-HCP Modeling expenses (6910.15); and RMPU-MPI Analysis expenses (6910.20). These expenses are billed directly to IEUA on the following month once the payment has been issued to Wildermuth Environmental, Inc. per the agreement. As of May 31, 2019, this category of expenses was fully invoiced in the amount of \$0 to IEUA.

Overall, the Optimum Basin Management Program (OBMP) category was \$1,693,129 compared to a (YTD) budget of \$1,974,803 for an under budget of \$281,674 or 14.3% as of May 31, 2019.

The table listed below summarizes the Optimum Basin Management Program (OBMP) expenses as of May 31, 2019 compared to the Year-To-Date (YTD) budget. Please be advised that the "\$ Over Budget" and the "% of Budget" columns are a comparison of the (YTD) Actual to the (YTD) Budget, not the 12-month Annual Budget. The 12-month Annual Budget column is presented only to provide the data in a full and complete format. The following details are provided:

	Jul '18 - May '19 Actual	Jul '18 - May '19 Budget	\$ Over Budget	% of Budget	FY 2018/19 Annual Budget
<b>6900 · Optimum Basin Mgmt Plan</b>					
6901 · WM Staff Salaries	71,440.92	130,090.00	-58,649.08	54.92%	140,931.00
6903 · OBMP SAWPA Group	6,421.00	6,742.00	-321.00	95.24%	6,742.00
<b>Total 6901-6903 · OBMP WM Staff/SAWPA</b>	<b>77,861.92</b>	<b>136,832.00</b>	<b>-58,970.08</b>	<b>56.9%</b>	<b>147,673.00</b>
<b>6906 · OBMP Engineering Services</b>					
6906.1 · OBMP - Watermaster Model Update	42,711.70	53,665.00	-10,953.30	79.59%	58,544.00
6906.15 · Integrated Model Mtgs. - IEUA Costs	15,539.85	18,297.00	-2,757.15	84.93%	19,960.00
6906.21 · State of the Basin Report	153,182.20	145,220.00	7,962.20	105.48%	158,422.00
6906.22 · Water Rights Compliance Reporting	16,415.35	23,512.00	-7,096.65	69.82%	25,650.00
6906.23 · SGMA Reporting Requirements	7,253.30	12,375.00	-5,121.70	58.61%	13,500.00
6906.24 · Compliance - SB88 and SWRCB	5,338.10	7,418.00	-2,079.90	71.96%	8,092.00
6906.26 · 2019 OBMP Update	157,259.36	145,633.00	11,626.36	107.98%	158,872.00
6906.27 · HCP Meetings/Tech. Review-IEUA Cost	602.20	16,326.00	-15,723.80	3.69%	17,810.00
6906.28 · Agriculture Prod. & Estimation	0.00	20,581.00	-20,581.00	0.0%	22,452.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	72,893.17	89,798.00	-16,904.83	81.18%	97,962.00
6906.32 · OBMP - Other General Meetings	45,863.17	74,335.00	-28,471.83	61.7%	81,093.00
6906.71 · OBMP - Data Requests - CBWM Staff	180,257.90	91,707.00	88,550.90	196.56%	100,044.00
6906.72 · OBMP - Data Requests - Non CBWM	33,503.06	29,652.00	3,851.06	112.99%	32,348.00
6906.73 · OBMP - Safe Yield Recalculation	336,883.65	372,977.00	-36,093.35	90.32%	406,884.00
6906.74 · OBMP - Mat'l Phy. Injury Requests	1,881.40	65,970.00	-64,088.60	2.85%	71,967.00
6906.76 · County Extraction Well-Modeling	40,829.44	0.00	40,829.44	100.0%	0.00
6906.81 · Prepare Annual Reports	12,862.20	17,873.00	-5,010.80	71.96%	19,498.00
6906.9 · OBMP - 2018 RMPU Master Update	57,094.63	49,863.00	7,231.63	114.5%	54,396.00
6906 · OBMP Engineering Services - Other	24,391.16	31,871.00	-7,479.84	76.53%	34,768.00
<b>Total 6906 · OBMP Engineering Services</b>	<b>1,204,761.84</b>	<b>1,267,073.00</b>	<b>-62,311.16</b>	<b>95.08%</b>	<b>1,382,262.00</b>
<b>6907 · OBMP Legal Fees</b>					
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	12,031.00	-12,031.00	0.0%	13,125.00
6907.32 · Chino Airport Plume	4,765.23	12,031.00	-7,265.77	39.61%	13,125.00
6907.33 · Desalter/Hydraulic Control	1,877.08	21,656.00	-19,778.92	8.67%	23,625.00
6907.34 · Santa Ana River Water Rights	11,393.43	14,919.00	-3,525.57	76.37%	16,275.00
6907.36 · Santa Ana River Habitat	9,745.67	39,692.00	-29,946.33	24.55%	43,300.00
6907.38 · Reg. Water Quality Cntrl Board	212.40	14,437.00	-14,224.60	1.47%	15,750.00
6907.39 · Recharge Master Plan	42,287.29	43,450.00	-1,162.71	97.32%	47,400.00
6907.40 · Storage Agreements	19,812.93	84,700.00	-64,887.07	23.39%	92,400.00
6907.41 · Prado Basin Habitat Sustainability	5,759.09	14,896.00	-9,136.91	38.66%	16,250.00
6907.42 · Safe Yield Recalculation	260,798.66	104,500.00	156,298.66	249.57%	114,000.00
6907.44 · SGMA Compliance	11,051.84	72,325.00	-61,273.16	15.28%	78,900.00
6907.45 · OBMP Update	35,734.67	99,183.00	-63,448.33	36.03%	108,200.00
6907.46 · Upper SAR Integrated Model	1,020.60	0.00	1,020.60	100.0%	0.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	29,287.00	-29,287.00	0.0%	31,950.00
<b>Total 6907 · WM Legal Counsel</b>	<b>404,458.89</b>	<b>563,107.00</b>	<b>-158,648.11</b>	<b>71.83%</b>	<b>614,300.00</b>
<b>Total 6907 · OBMP Legal Fees</b>	<b>404,458.89</b>	<b>563,107.00</b>	<b>-158,648.11</b>	<b>71.83%</b>	<b>614,300.00</b>
<b>6909 · OBMP Other Expenses</b>					
6909.1 · OBMP Meetings	4,634.88	1,375.00	3,259.88	337.08%	1,500.00
6909.3 · Other OBMP Expenses	1,391.00	1,833.00	-442.00	75.89%	2,000.00
6909.6 · OBMP Expenses - Miscellaneous	0.00	4,583.00	-4,583.00	0.0%	5,000.00
6909 · OBMP Other Expenses - Other	20.73	0.00	20.73	100.0%	0.00
<b>Total 6909 · OBMP Other Expenses</b>	<b>6,046.61</b>	<b>7,791.00</b>	<b>-1,744.39</b>	<b>77.61%</b>	<b>8,500.00</b>
<b>6910 · WEI Support for IEUA</b>					
6910.50 · WEI Support for IEUA-Billings	0.00	0.00	0.00	0.0%	0.00
<b>Total 6910 · WEI Support for IEUA</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0%</b>	<b>0.00</b>
<b>Total 6900 · Optimum Basin Mgmt Plan</b>	<b>1,693,129.26</b>	<b>1,974,803.00</b>	<b>-281,673.74</b>	<b>85.74%</b>	<b>2,152,735.00</b>

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

PREVIOUSLY REPORTED ACTIONS (Descending Order)  
None

ENGINEERING SERVICES - OBMP IMPLEMENTATION PROJECTS COSTS  
WILDERMUTH ENVIRONMENTAL, INC.

CURRENT MONTH – MAY 2019

As of May 31, 2019, the total (YTD) Engineering Services expenses were \$435,971 or 10.1% below the (YTD) budget amount of \$4,319,074. The OBMP Implementation Projects (consolidated accounts 7100's – 7700's) were all under budget as of May 31, 2019, with the exception of the PE4-MZ1 Pomona Project expenses (7402.10) which were over budget by \$28,720 or 1.7%.

Wildermuth Environmental, Inc. provides Watermaster an Estimated Cost at Completion (ECAC) report each quarter. The purpose of this ECAC report is to update Watermaster on whether or not the Engineering Services budget will be above or below budget at the end of the fiscal year. If the Engineering Services budget is expected to be above budget at fiscal year-end, a Budget Amendment or Budget Transfer Form would need to be approved to ensure funding.

As of June 30, 2019, which is the fiscal year-end, after any "Carry-Over" funding has been reserved for ongoing Engineering Projects, any available budget funds could be used as part of the Budget Transfer to reconcile the accounts in other expense categories (specifically BHFS expenses) that are over budget. At this time, those amounts are unknown until next month when the June 30, 2019 financials will be closed.

The previous three ECAC reports are provided as part of this report, and can also be uploaded from the Watermaster website using the links provided.

The table listed below summarized the Year-To-Date (YTD) Actual Wildermuth Environmental, Inc., (WEI) and other Engineering costs compared to the Year-To-Date (YTD) Budget as of May 31, 2019. Please be advised that the "\$ Over Budget" and the "% of Budget" columns are a comparison of the (YTD) Actual to the (YTD) Budget, not the 12-month Annual Budget. The 12-month Annual Budget column is presented only to provide the data in a full and complete format. The following details are provided:

	Jul '18 - May '19 Actual	Jul '18 - May '19 Budget	\$ Over Budget	% of Budget	FY 2018/19 Annual Budget
6906 · OBMP Engineering Services - Other	24,391.16	31,871.00	-7,479.84	76.53%	34,768.00
6906.1 · OBMP - Watermaster Model Update	42,711.70	53,666.00	-10,954.30	79.59%	58,544.00
6906.15 · Integrated Model Mtgs-IEUA Cost	15,539.85	18,297.00	-2,757.15	84.93%	19,960.00
6906.21 · State of the Basin Report	153,182.20	145,220.00	7,962.20	105.48%	158,422.00
6906.22 · Water Rights Compliance Reporting	16,415.35	23,512.00	-7,096.65	69.82%	25,650.00
6906.23 · SGMA Reporting Requirements	7,253.30	12,375.00	-5,121.70	58.61%	13,500.00
6906.24 · Compliance - SB88 and SWRCB	5,338.10	7,418.00	-2,079.90	71.96%	8,092.00
6906.26 · 2019 OBMP Update	157,259.36	145,633.00	11,626.36	107.98%	158,872.00
6906.27 · HCP Meetings/Technical Review-IEUA Cos	602.20	16,326.00	-15,723.80	3.69%	17,810.00
6906.28 · Agriculture Prod. & Estimation	0.00	20,581.00	-20,581.00	0.0%	22,452.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	72,893.17	89,798.00	-16,904.83	81.18%	97,962.00
6906.32 · OBMP - Other General Meetings	45,863.17	74,335.00	-28,471.83	61.7%	81,093.00
6906.71 · OBMP - Data Requests - CBWM Staff	180,257.90	91,707.00	88,550.90	196.56%	100,044.00
6906.72 · OBMP - Data Requests - Non CBWM	33,503.06	29,652.00	3,851.06	112.99%	32,348.00
6906.73 · OBMP - Safe Yield Recalculation	336,883.65	372,977.00	-36,093.35	90.32%	406,884.00
6906.74 · OBMP - Mat'l Physical Injury Requests	1,881.40	65,970.00	-64,088.60	2.85%	71,967.00
6906.76 · County Extraction Well-Modeling	40,829.44	0.00	40,829.44	100.0%	0.00
6906.81 · Prepare Annual Reports	12,862.20	17,873.00	-5,010.80	71.96%	19,498.00
6906.90 · OBMP - 2018 RMPU Master Update	57,094.63	49,863.00	7,231.63	114.5%	54,396.00
7103.3 · Grdwtr Qual-Engineering	150,489.49	184,139.00	-33,649.51	81.73%	199,243.00
7103.5 · Grdwtr Qual-Lab Svcs	38,475.00	38,820.00	-345.00	99.11%	38,820.00
7104.3 · Grdwtr Level-Engineering	163,645.83	220,301.00	-56,655.17	74.28%	240,328.00
7104.8 · Grdwtr Level-Contracted Services	570.00	9,167.00	-8,597.00	6.22%	10,000.00
7104.9 · Grdwtr Level-Capital Equipment	0.00	7,333.00	-7,333.00	0.0%	8,000.00
7107.2 · Grd Level-Engineering	38,831.53	92,125.00	-53,293.47	42.15%	98,243.00
7107.3 · Grd Level-SAR Imagery	85,000.00	85,000.00	0.00	100.0%	85,000.00
7107.6 · Grd Level-Contract Svcs	81,937.24	86,269.00	-4,331.76	94.98%	92,227.00
7107.8 · Grd Level-Capital Equipment	0.00	11,634.00	-11,634.00	0.0%	12,692.00
7108.31 · Hydraulic Control-PBHSP	66,666.97	70,729.00	-4,062.03	94.26%	77,159.00
7108.4 · Hydraulic Control-Lab Svcs	7,732.00	9,038.00	-1,306.00	85.55%	9,038.00
7108.41 · Hydraulic Control-PBHSP	3,150.00	15,026.00	-11,876.00	20.96%	15,026.00
7108.6 · Hydraulic Control-Outside Professionals	0.00	9,167.00	-9,167.00	0.0%	10,000.00
7109.3 · Recharge & Well - Engineering	7,183.70	23,144.00	-15,960.30	0.0%	25,248.00
7202.2 · Comp Recharge-Engineering Services	20,179.26	84,003.00	-63,823.74	24.02%	91,640.00
7303 · PE3&5-Engineering - Other	0.00	8,947.00	-8,947.00	0.0%	9,760.00
7402 · PE4-Engineering	97,789.07	102,168.00	-4,378.93	95.71%	104,910.00
7402.10 · PE4-MZ1 Pomona Project	1,729,208.97	1,700,489.00	28,719.97	101.69%	1,703,417.00
7403 · PE4-Contract Svcs	0.00	9,167.00	-9,167.00	0.0%	10,000.00
7502 · PE6&7-Engineering	66,511.47	80,586.00	-14,074.53	82.54%	87,912.00
7510 · PE6&7-IEUA Salinity Mgmt. Plan	27,059.92	100,732.00	-73,672.08	26.86%	108,178.00
7602 · PE8&9-Engineering	93,910.61	104,016.00	-10,105.39	90.29%	105,348.00
<b>Total Engineering Services Costs</b>	<b>3,883,102.90</b>	<b>4,319,074.00</b>	<b>-435,971.10</b>	<b>89.91%</b>	<b>4,524,451.00</b> *

\* Wildermuth and Subcontractor Engineering Budget of \$2,929,798 plus Carryover Funds from FY 2017/18 of \$1,594,653  
Carryover Funds from FY 2017/18 of \$1,594,653 = \$24,822 (7107.2); \$20,727 (7107.6); \$1,530,279 (7402.10); and \$18,825 (7510)

PREVIOUSLY REPORTED ACTIONS (Descending Order)

April 2019:

The third ECAC report for the current fiscal year has been provided for the period ending March 31, 2019 and shows a projected over budget at fiscal year-end June 30, 2019 of \$70,808.

The third quarter ECAC report (for the months July 2018 – March 2019) is listed below:

**Attachment 1a**  
**Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2018/19**  
**As of March 31, 2019**

Acct #	Description	Original Budget	Revised Budget	Billed Jul-18	Billed Aug-18	Billed Sep-18	Billed Oct-18	Billed Nov-18	Billed Dec-18	Billed Jan-19
6905	OBMP Engineering	\$ 507,374	\$ 507,374	\$ 36,022	\$ 29,590	\$ 24,251	\$ 58,101	\$ 33,162	\$ 21,264	\$ 51,658
6905.1	OBMP - Watermaster Model Applications	58,544	58,544	-	-	-	5,720	15,598	7,808	12,526
6906.9	2018 RMPU Recharge Master Update	54,396	54,396	26,984	27,194	2,916	-	-	-	-
6906.26	2019 OBMP Update	158,872	158,872	-	-	5,755	14,769	3,721	11,021	37,505
6906.73	2020 Safe Yield Recalculation	408,884	408,884	-	21,661	18,168	7,098	6,831	13,844	24,844
6906.21	State of the Basin Report	158,423	158,423	-	-	3,468	22,571	25,329	14,744	9,101
6906.27	IEUA - HCP Meetings and Technical Review	17,810	17,810	-	-	-	-	-	-	1,204
6906.15	IEUA - Integrated Model Meetings and Technical Review	19,960	19,960	2,360	2,647	7,114	4,296	4,090	1,807	4,043
6906.16	CBEWP Evaluation and Conceptual Design Support	-	-	-	-	-	-	4,587	7,775	5,032
7103.3	GW and SW Quality - Engineering Services	199,243	199,243	19,277	24,783	27,251	34,550	6,888	5,164	9,647
7103.5	GW and SW Quality - Laboratory Services	62,894	62,894	1,634	18,212	11,761	11,136	848	1,050	2,032
7104.3	GW Level - Engineering Services	240,328	240,328	8,359	12,464	22,193	18,801	18,488	19,432	8,749
7104.6	GW Level - Contract Services	10,000	10,000	-	-	-	-	-	-	-
7104.90	GW Level - Capital Services	8,000	8,000	-	-	972	-	1,802	1,111	-
7107.2	Ground Level - Engineering Services	71,789	98,611	4,488	3,593	2,692	7,691	3,144	1,791	3,069
7107.3	Ground Level - SAR Imagery	86,632	86,632	12,000	-	-	-	-	-	-
7107.6	Ground Level - Contract Services	71,500	92,227	-	-	-	-	-	-	-
7107.8	Ground Level - Capital Equipment	12,692	12,692	-	-	-	170	172	85	-
7108.31	IEUA - Prado Basin Habitat Monitoring	77,159	77,159	-	164	821	3,507	3,808	12,900	18,332
7109.6	IEUA - PBHSP - Outside Pro	10,000	10,000	-	3,933	-	-	-	-	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	25,248	25,248	-	1,448	-	-	1,734	-	-
7202.2	Comp Recharge - Engineering Services	91,840	91,840	2,011	2,060	8,854	647	301	2,255	1,929
7303	OBMP - Engineering Services - Desalters	9,760	9,760	-	-	-	-	-	-	-
7402	OBMP - Engineering Services - MZ1	104,910	104,910	24,826	22,200	17,059	3,362	1,366	612	5,891
7402.1	OBMP - Engineering Services - Northwest MZ1	173,138	1,703,417	1,620	1,468,742	19,923	19,468	7,826	11,509	103,628
7403	OBMP - Contract Services - MZ1	10,000	10,000	-	-	-	-	-	-	-
7502	OBMP - Engineering Services - WQC	87,912	87,912	656	1,416	15,950	10,557	2,146	-	280
7510	IEUA - Update Recycled Water Permit - Salinity	89,353	108,178	-	-	3,751	21,792	34,136	4,432	497
7602	Storage Management/Conjunctive Use	105,348	105,348	49,891	18,398	25,634	-	-	-	-
<b>Totals</b>		<b>\$ 2,929,798</b>	<b>\$ 4,524,451</b>	<b>\$ 199,728</b>	<b>\$ 1,663,524</b>	<b>\$ 216,630</b>	<b>\$ 244,276</b>	<b>\$ 175,954</b>	<b>\$ 138,652</b>	<b>\$ 299,963</b>

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2018-19CBWM\_Invoice\_Summary\_ISBM\_Q3ECAC--Projection Summary



**Attachment 1a**  
**Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2018/19**  
**As of March 31, 2019**

Acct #	Description	Billed Feb-19	Billed Mar-19	Projected Apr-19	Projected May-19	Projected Jun-19	Total Projected	Less IEUA Portion of Cost Share			
								Total Projected	Under / (Over) Rev. Budget	YTD % Billed Rev. Budget	Projected % Rev. Budget
6905	OBMP Engineering	\$ 28,340	\$ 44,444	\$ 69,722	\$ 57,162	\$ 45,529	\$ 498,272	\$ 498,272	\$ 11,102	64%	98%
6906.1	OBMP - Watermaster Model Applications	1,062	-	-	-	-	42,712	42,712	15,832	73%	73%
6906.9	2018 RMPU Recharge Master Update	-	-	-	-	-	57,095	57,095	(2,899)	105%	105%
6906.26	2019 OBMP Update	20,733	29,136	16,000	35,000	40,000	213,659	213,659	(54,787)	77%	134%
6906.73	2020 Safe Yield Recalculation	67,564	62,927	63,288	63,268	63,268	430,719	430,719	(23,835)	59%	106%
6906.21	State of the Basin Report	27,544	11,552	15,000	20,600	11,000	160,347	160,347	(1,924)	72%	101%
6906.27	IEUA - HCP Meetings and Technical Review	-	-	1,500	1,500	1,500	5,704	2,852	14,958	7%	16%
6906.15	IEUA - Integrated Model Meetings and Technical Review	742	472	3,700	3,700	3,700	38,670	19,335	625	139%	97%
6906.16	CBEWP Evaluation and Conceptual Design Support	3,634	1,817	3,000	10,000	10,000	45,845	-	-	n/a	n/a
7103.3	GW and SW Quality - Engineering Services	2,002	7,035	8,340	16,826	27,108	168,849	188,849	10,394	69%	95%
7103.5	GW and SW Quality - Laboratory Services	-	1,050	2,132	-	1,050	50,905	50,905	11,979	76%	81%
7104.3	GW Level - Engineering Services	7,212	22,868	18,230	22,321	25,120	204,217	204,217	26,111	58%	85%
7104.6	GW Level - Contract Services	-	-	-	5,000	-	5,000	5,000	0%	50%	
7104.9	GW Level - Capital Services	-	-	-	8,000	-	11,855	11,855	(3,885)	49%	149%
7107.2	Ground Level - Engineering Services	1,305	2,038	3,326	-	15,978	70,259	70,259	26,352	31%	73%
7107.3	Ground Level - SAR Imagery	-	17,000	-	-	57,632	66,632	66,632	-	33%	100%
7107.6	Ground Level - Contract Services	2,316	977	-	19,900	65,000	97,584	97,584	(5,337)	14%	106%
7107.8	Ground Level - Capital Equipment	-	67	-	200	500	1,194	1,194	14,498	4%	9%
7108.31	IEUA - Prado Basin Habitat Monitoring	17,587	28,696	26,002	15,300	21,700	148,946	74,473	2,936	111%	97%
7108.6	IEUA - PBHSP - Outside Pro	-	-	-	-	11,600	19,933	9,968	34	89%	100%
7109.3	Recharge & Well Monitoring - Engineering Serv.	1,550	-	1,100	3,600	-	9,433	9,433	15,815	19%	37%
7202.2	Comp Recharge - Engineering Services	1,060	53	2,500	4,307	1,500	27,477	27,477	64,163	21%	30%
7303	OBMP - Engineering Services - Desalters	-	-	813	813	813	2,440	2,440	7,320	0%	25%
7402	OBMP - Engineering Services - MZ1	10,594	938	1,702	8,309	8,050	104,910	104,910	-	83%	100%
7402.1	OBMP - Engineering Services - Northwest MZ1	47,425	15,433	9,348	117,245	134,468	1,953,673	1,953,673	(250,258)	100%	115%
7403	OBMP - Contract Services - MZ1	-	-	-	-	-	-	-	10,000	0%	0%
7502	OBMP - Engineering Services - WQC	6,345	22,053	5,600	3,100	3,000	71,303	71,303	16,609	68%	81%
7510	IEUA - Update Recycled Water Permit - Salinity	546	628	500	500	260,662	327,813	108,178	-	61%	100%
7602	Storage Management/Conjunctive Use	-	-	-	-	-	93,911	93,911	11,437	89%	89%
<b>Totals</b>		<b>\$ 247,592</b>	<b>\$ 289,063</b>	<b>\$ 245,002</b>	<b>\$ 437,245</b>	<b>\$ 808,938</b>	<b>\$ 4,967,366</b>	<b>\$ 4,955,260</b>	<b>\$ (70,808)</b>	<b>77%</b>	<b>102%</b>

Note: Billed includes MWH Laboratory invoices paid directly by Watermaster.

5/1/2019--1:05 PM  
2018-19CBWM\_Invoice\_Summary\_ISBM\_Q3ECAC--Projection Summary



*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

Watermaster does not plan to present any Budget Transfers or Budget Amendments at this time for the Engineering Services. The presentation of a Budget Amendment or Budget Transfer is planned for the agenda for the Pool meetings in July.

The Fiscal Year 2018/19 Progress and Estimated Cost at Completion for the Period July 1, 2018 through March 31, 2019 report from Wildermuth Environmental, Inc. is provided. Please access this link:

<https://cbwm.syncedtool.com/shares/file/b55c8fcfa39f54/>

December 2018:

Wildermuth Environmental, Inc. provides Watermaster an Estimated Cost at Completion (ECAC) report each quarter. The purpose of this ECAC report is to update Watermaster on whether or not the Engineering Services budget will be above or below budget at the end of the fiscal year. If the Engineering Services budget is expected to be above budget at fiscal year-end, a Budget Amendment or Budget Transfer Form would need to be approved to ensure funding.

The second ECAC report for the current fiscal year has been provided for the period ending December 31, 2018 and shows a projected under budget at fiscal year-end June 30, 2019 of \$109,668.

The second quarter ECAC report (for the months July 2018 – December 2018) is listed below:

**Attachment 1a**  
**Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2018/19**  
**As of December 31, 2018**

Acct #	Description	Original Budget	Revised Budget	Billed Jul-18	Billed Aug-18	Billed Sep-18	Billed Oct-18	Billed Nov-18	Billed Dec-18	Projected Jan-19
6906	OBMP Engineering	\$ 507,374	\$ 507,374	\$ 36,022	\$ 29,590	\$ 24,251	\$ 53,101	\$ 33,162	\$ 21,284	\$ 60,179
6906.1	OBMP - Watermaster Model Applications	58,544	58,544	-	-	-	5,720	15,596	7,808	19,515
6906.9	2018 RMPU Recharge Master Update	54,396	54,396	28,984	27,194	2,916	-	-	-	-
6906.28	2019 OBMP Update	158,872	158,872	-	-	5,755	14,789	3,721	11,021	25,600
6906.73	2020 Safe Yield Recalculation	406,884	406,884	-	21,661	16,166	7,098	6,831	13,844	13,100
6906.21	State of the Basin Report	158,423	158,423	-	-	3,468	22,571	25,329	14,744	7,700
6906.27	IEUA - HCP Meetings and Technical Review	17,810	17,810	-	-	-	-	-	-	1,500
6906.15	IEUA - Integrated Model Meetings and Technical	19,960	19,960	2,380	2,647	7,114	4,296	4,090	1,807	3,700
6906.16	CBEWP Evaluation and Conceptual Design Supp	-	-	-	-	-	-	4,587	7,775	5,000
7103.3	GW and SW Quality - Engineering Services	199,243	199,243	19,277	24,763	27,251	34,550	6,868	5,164	11,625
7103.5	GW and SW Quality - Laboratory Services	62,884	62,884	1,634	18,212	11,761	11,136	848	1,050	2,132
7104.3	GW Level - Engineering Services	240,328	240,328	8,399	12,464	22,193	18,801	16,488	19,432	14,680
7104.8	GW Level - Contract Services	10,000	10,000	-	-	-	-	-	-	-
7104.90	GW Level - Capital Services	8,000	8,000	-	-	972	-	1,802	1,111	2,700
7107.2	Ground Level - Engineering Services	71,789	96,611	4,488	3,593	2,692	7,691	3,144	1,791	10,676
7107.3	Ground Level - SAR Imagery	86,632	86,632	12,000	-	-	-	-	-	18,632
7107.6	Ground Level - Contract Services	71,500	62,227	9,371	-	-	-	-	-	-
7107.8	Ground Level - Capital Equipment	12,692	12,692	-	-	-	170	172	85	500
7103.31	IEUA - Prado Basin Habitat Monitoring	77,159	77,159	-	184	921	3,507	3,808	12,900	20,100
7108.6	IEUA - PBHSP - Outside Pro	10,000	10,000	-	8,933	-	-	-	-	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	25,248	25,248	-	1,448	-	-	1,734	-	-
7202.2	Comp Recharge - Engineering Services	91,640	91,640	2,011	2,060	8,854	647	301	2,255	6,200
7303	OBMP - Engineering Services - Desalters	9,760	9,760	-	-	-	-	-	-	813
7402	OBMP - Engineering Services - MZ1	104,910	104,910	24,826	22,200	17,059	3,362	1,366	612	5,596
7402.1	OBMP - Engineering Services - Northwest MZ1	173,138	1,703,417	1,620	5,160	19,823	16,093	7,826	11,509	432,552
7403	OBMP - Contract Services - MZ1	10,000	10,000	-	-	-	-	-	-	-
7502	OBMP - Engineering Services - WQC	87,912	87,912	856	1,416	15,950	10,557	2,146	-	4,722
7510	IEUA - Update Recycled Water Permit - Salinity	89,353	108,178	-	-	3,751	21,792	34,136	4,482	45,000
7602	Storage Management/Conjunctive Use	105,348	105,348	49,881	18,366	25,634	-	-	-	-
<b>Totals</b>		<b>\$ 2,929,798</b>	<b>\$ 4,624,451</b>	<b>\$ 199,728</b>	<b>\$ 199,943</b>	<b>\$ 216,630</b>	<b>\$ 240,881</b>	<b>\$ 175,954</b>	<b>\$ 138,652</b>	<b>\$ 712,621</b>

2/5/2019--11:35 AM  
2018-19CBWM\_Invoice\_Summary\_ISBM\_20190122--Projection Summary



*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

**Attachment 1a**  
**Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2018/19**  
**As of December 31, 2018**

Acct #	Description	Projected Feb-19	Projected Mar-19	Projected Apr-19	Projected May-19	Projected Jun-19	Total Projected	Less IEUA Portion of Cost Share			
								Total Projected	Under / (Over) Rev. Budget	YTD % Billed Rev. Budget	Projected % Rev. Budget
6906	OBMP Engineering	\$ 45,225	\$ 46,625	\$ 39,229	\$ 35,029	\$ 35,029	\$ 465,705	\$ 465,705	\$ 41,669	18%	92%
6906.1	OBMP - Watermaster Model Applications	3,757	-	-	-	-	62,395	62,395	6,149	0%	89%
6906.9	2018 RMPU Recharge Master Update	-	-	-	-	-	57,095	57,095	(2,699)	105%	105%
6906.26	2019 OBMP Update	25,600	25,600	25,600	25,600	21,600	184,866	184,866	(26,014)	4%	116%
6906.73	2020 Safe Yield Recalculation	65,637	65,637	65,637	65,637	65,637	406,864	406,864	-	9%	100%
6906.21	State of the Basin Report	22,000	19,000	13,000	20,000	11,000	158,811	158,811	(388)	2%	100%
6906.27	IEUA - HCP Meetings and Technical Review	1,500	1,500	1,500	1,500	1,500	9,000	9,000	4,500	0%	25%
6906.15	IEUA - Integrated Model Meetings and Technical	3,700	3,700	3,700	3,700	3,700	44,513	22,257	(2,297)	61%	112%
6906.16	CBEWP Evaluation and Conceptual Design Supp	20,000	20,000	-	-	-	57,362	-	-	n/a	n/a
7103.3	GW and SW Quality - Engineering Services	20,593	20,000	5,925	8,594	20,708	205,537	205,537	(6,294)	36%	103%
7103.5	GW and SW Quality - Laboratory Services	-	1,050	2,132	-	1,050	51,005	51,005	11,879	60%	81%
7104.3	GW Level - Engineering Services	24,894	23,788	14,052	25,121	24,668	227,179	227,179	13,149	18%	95%
7104.8	GW Level - Contract Services	-	-	-	5,000	-	5,000	5,000	0%	0%	50%
7104.9	GW Level - Capital Services	-	-	-	6,000	-	12,585	12,585	(4,585)	12%	157%
7107.2	Ground Level - Engineering Services	9,176	8,976	13,856	8,300	8,373	62,754	62,754	13,857	11%	86%
7107.3	Ground Level - SAR Imagery	-	56,000	-	-	-	66,632	66,632	-	14%	100%
7107.6	Ground Level - Contract Services	4,950	4,950	37,000	15,000	20,958	92,227	92,227	-	10%	100%
7107.8	Ground Level - Capital Equipment	500	500	500	500	500	3,427	3,427	9,265	0%	27%
7108.31	IEUA - Prado Basin Habitat Monitoring	39,004	34,560	20,600	12,000	7,656	155,239	77,820	(461)	1%	101%
7108.6	IEUA - PBHSP - Outside Pro	-	-	10,000	-	-	18,933	9,466	534	69%	95%
7109.3	Recharge & Well Monitoring - Engineering Serv.	1,000	6,000	6,000	4,000	-	20,162	20,162	5,068	6%	80%
7202.2	Comp Recharge - Engineering Services	7,507	4,760	4,700	7,507	4,700	51,442	51,442	40,199	14%	56%
7303	OBMP - Engineering Services - Desalters	813	813	813	813	813	4,860	4,860	4,860	0%	50%
7402	OBMP - Engineering Services - MZ1	5,000	6,550	5,500	6,000	6,500	104,572	104,572	338	2%	100%
7402.1	OBMP - Engineering Services - Northwest MZ1	399,566	342,632	351,117	63,120	67,500	1,738,617	1,738,617	(35,200)	2%	102%
7403	OBMP - Contract Services - MZ1	-	-	-	-	-	-	-	10,000	0%	0%
7502	OBMP - Engineering Services - WQC	10,365	21,360	8,930	5,705	5,000	67,038	67,038	874	21%	99%
7510	IEUA - Update Recycled Water Permit - Salinity	45,000	45,000	45,000	45,000	39,651	327,811	108,176	-	3%	100%
7602	Storage Management/Conjunctive Use	-	-	-	-	-	93,911	93,911	11,437	69%	89%
<b>Totals</b>		<b>\$ 755,816</b>	<b>\$ 760,940</b>	<b>\$ 674,790</b>	<b>\$ 364,126</b>	<b>\$ 365,541</b>	<b>\$ 4,805,620</b>	<b>\$ 4,414,783</b>	<b>\$ 109,668</b>	<b>14%</b>	<b>98%</b>

Note: Billed includes MWH Laboratory invoices paid directly by Watermaster.

2/5/2019--11:35 AM  
2018-19CBWM\_Invoice\_Summary\_ISBM\_20190122--Projection Summary



Watermaster does not plan to present any Budget Transfers or Budget Amendments at this time for the Engineering Services.

The Fiscal Year 2018/19 Progress and Estimated Cost at Completion for the Period July 1, 2018 through December 31, 2018 report from Wildermuth Environmental, Inc. is provided. Please access this link:

<https://cbwm.syncedtool.com/shares/file/2c5a4463b20ca2/?modal=1>

The third quarter ECAC report is scheduled to be issued early May 2019 for the period July 1, 2018 through March 31, 2019.

October 2018:

The first ECAC report for the current fiscal year has been provided for the period ending September 30, 2018 and shows a projected under budget at fiscal year-end June 30, 2019 of \$68,057.

The first quarterly ECAC report (for the months July 2018 – September 2018) is listed below:

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

**Attachment 1a**  
**Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2018/19**  
**As of September 30, 2018**

Acct #	Description	Original Budget	Revised Budget	Billed Jul-18	Billed Aug-18	Billed Sep-18	Projected Oct-18	Projected Nov-18	Projected Dec-18	Projected Jan-19
6906	OBMP Engineering	\$ 507,374	\$ 507,374	\$ 36,022	\$ 29,590	\$ 24,251	\$ 58,796	\$ 60,882	\$ 49,233	\$ 50,297
6906.1	OBMP - Watermaster Model Applications	58,544	58,544	-	-	-	6,000	9,757	19,515	19,515
6906.9	2018 RMPU Recharge Master Update	54,396	54,396	26,984	27,194	2,916	-	-	-	-
6906.26	2019 OBMP Update	158,872	158,872	-	-	5,755	14,789	17,291	17,291	17,291
6906.73	2020 Safe Yield Recalculation	406,884	406,884	-	21,661	16,166	7,098	-	-	60,326
6906.21	State of the Basin Report	158,423	158,423	-	-	3,468	22,000	19,000	18,000	16,000
6906.27	IEUA - HCP Meetings and Technical Review	17,810	17,810	-	-	-	-	-	3,000	3,000
6906.15	IEUA - Integrated Model Meetings and Technical	19,960	19,960	2,360	2,647	7,114	4,296	2,500	2,500	2,500
7103.3	GW and SW Quality - Engineering Services	199,243	199,243	19,277	24,783	27,251	34,275	13,475	9,050	7,575
7103.5	GW and SW Quality - Laboratory Services	62,884	62,884	1,634	18,212	11,761	11,242	2,000	1,050	2,132
7104.3	GW Level - Engineering Services	240,328	240,328	8,399	12,464	22,193	18,894	25,194	25,532	14,424
7104.8	GW Level - Contract Services	10,000	10,000	-	-	-	-	5,000	-	-
7104.90	GW Level - Capital Services	8,000	8,000	-	-	972	-	1,000	-	2,700
7107.2	Ground Level - Engineering Services	71,789	95,611	4,488	3,593	2,692	7,691	4,500	5,800	9,476
7107.3	Ground Level - SAR Imagery	86,632	86,632	12,000	-	-	-	-	-	18,632
7107.6	Ground Level - Contract Services	71,500	92,227	9,371	-	-	-	-	-	-
7107.8	Ground Level - Capital Equipment	12,692	12,692	-	-	-	170	1,000	1,000	1,000
7108.31	IEUA - Prado Basin Habitat Monitoring	77,159	77,159	-	184	921	3,400	17,950	40,000	24,250
7108.6	IEUA - PBHSP - Outside Pro	10,000	10,000	-	8,933	-	-	-	10,000	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	25,248	25,248	-	1,448	-	-	2,000	2,000	2,000
7202.2	Comp Recharge - Engineering Services	91,640	91,640	2,011	2,060	8,854	650	7,007	4,200	4,200
7303	OBMP - Engineering Services - Desalters	9,760	9,760	-	-	-	-	813	813	813
7402	OBMP - Engineering Services - MZ1	104,910	104,910	24,826	22,200	17,059	3,362	500	500	2,000
7402.1	OBMP - Engineering Services - Northwest MZ1	173,138	1,703,417	1,620	5,160	19,923	16,200	43,129	111,200	133,000
7403	OBMP - Contract Services - MZ1	10,000	10,000	-	-	-	-	-	-	-
7502	OBMP - Engineering Services - WQC	87,912	87,912	856	1,416	15,950	10,500	-	-	7,222
7510	IEUA - Update Recycled Water Permit - Salinity	89,353	108,178	-	3,751	-	22,000	35,000	45,000	45,000
7602	Storage Management/Conjunctive Use	105,348	105,348	49,881	18,396	25,634	-	-	-	-
<b>Totals</b>		<b>\$ 2,929,798</b>	<b>\$ 4,524,451</b>	<b>\$ 199,728</b>	<b>\$ 199,943</b>	<b>\$ 216,630</b>	<b>\$ 241,363</b>	<b>\$ 267,999</b>	<b>\$ 365,684</b>	<b>\$ 443,353</b>

12/4/2018--2:04 PM  
2018-19CBWM\_Invoice\_Summary\_ISBM\_1st Qtr Forecast--Projection Summary



**Attachment 1a**  
**Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2018/19**  
**As of September 30, 2018**

Acct #	Description	Projected Feb-19	Projected Mar-19	Projected Apr-19	Projected May-19	Projected Jun-19	Total Projected	Less IEUA Portion of Cost Share			
								Total Projected	Under / (Over) Rev. Budget	YTD % Billed Rev. Budget	Projected % Rev. Budget
6906	OBMP Engineering	\$ 41,197	\$ 49,397	\$ 41,100	\$ 36,900	\$ 36,900	\$ 514,565	\$ 514,565	\$ (7,191)	18%	101%
6906.1	OBMP - Watermaster Model Applications	3,757	-	-	-	-	58,544	58,544	-	0%	100%
6906.9	2018 RMPU Recharge Master Update	-	-	-	-	-	57,095	57,095	(2,699)	105%	105%
6906.26	2019 OBMP Update	17,291	17,291	17,291	17,291	17,291	158,872	158,872	-	4%	100%
6906.73	2020 Safe Yield Recalculation	60,326	60,326	60,326	60,326	60,326	406,884	406,884	-	9%	100%
6906.21	State of the Basin Report	12,000	11,000	20,000	15,955	15,955	158,423	158,423	21,000	2%	100%
6906.27	IEUA - HCP Meetings and Technical Review	3,000	3,000	3,000	3,000	3,000	21,000	10,500	7,310	0%	59%
6906.15	IEUA - Integrated Model Meetings and Technical	2,500	2,500	2,500	2,500	2,500	36,417	18,209	1,752	61%	91%
7103.3	GW and SW Quality - Engineering Services	22,593	20,000	5,925	8,594	20,708	213,505	213,505	(14,262)	36%	107%
7103.5	GW and SW Quality - Laboratory Services	-	1,050	2,132	-	1,050	52,263	52,263	10,621	50%	83%
7104.3	GW Level - Engineering Services	22,577	23,932	14,052	22,121	24,668	234,450	234,450	5,878	18%	93%
7104.8	GW Level - Contract Services	-	-	-	5,000	-	10,000	10,000	-	0%	100%
7104.9	GW Level - Capital Services	-	-	-	4,000	-	8,672	8,672	(672)	12%	108%
7107.2	Ground Level - Engineering Services	10,976	8,976	14,543	7,800	10,276	90,809	90,809	5,802	11%	94%
7107.3	Ground Level - SAR Imagery	-	56,000	-	-	-	86,632	86,632	-	14%	100%
7107.6	Ground Level - Contract Services	4,950	4,950	37,000	15,000	20,956	92,227	92,227	-	10%	100%
7107.8	Ground Level - Capital Equipment	1,000	1,000	1,000	1,000	1,000	8,170	8,170	4,522	0%	64%
7108.31	IEUA - Prado Basin Habitat Monitoring	27,820	22,078	12,600	5,500	500	155,202	77,601	(442)	1%	101%
7108.6	IEUA - PBHSP - Outside Pro	-	-	-	-	-	18,933	9,466	534	89%	95%
7109.3	Recharge & Well Monitoring - Engineering Serv.	1,000	6,000	6,000	4,000	-	24,448	24,448	800	6%	97%
7202.2	Comp Recharge - Engineering Services	7,007	4,200	4,200	7,007	4,200	55,596	55,596	36,044	14%	61%
7303	OBMP - Engineering Services - Desalters	813	813	813	813	813	6,507	6,507	3,253	0%	67%
7402	OBMP - Engineering Services - MZ1	5,500	6,000	5,500	6,000	6,500	99,948	99,948	4,962	61%	95%
7402.1	OBMP - Engineering Services - Northwest MZ1	1,231,420	35,618	31,700	45,900	38,720	1,713,590	1,713,590	(10,173)	2%	101%
7403	OBMP - Contract Services - MZ1	-	-	-	-	-	-	-	10,000	0%	0%
7502	OBMP - Engineering Services - WQC	10,395	21,360	8,930	5,705	5,000	87,335	87,335	577	21%	99%
7510	IEUA - Update Recycled Water Permit - Salinity	40,000	35,000	35,000	35,000	32,050	327,801	108,174	4	3%	100%
7602	Storage Management/Conjunctive Use	-	-	-	-	-	93,911	93,911	11,437	89%	89%
<b>Totals</b>		<b>\$ 1,526,122</b>	<b>\$ 390,492</b>	<b>\$ 323,612</b>	<b>\$ 314,457</b>	<b>\$ 302,414</b>	<b>\$ 4,791,796</b>	<b>\$ 4,456,394</b>	<b>\$ 68,057</b>	<b>14%</b>	<b>98%</b>

Note: Billed includes MWH Laboratory Invoices paid directly by Watermaster.

12/4/2018--2:04 PM  
2018-19CBWM\_Invoice\_Summary\_ISBM\_1st Qtr Forecast--Projection Summary



Watermaster does not plan to present any Budget Transfers or Budget Amendments at this time.

The Fiscal Year 2018/19 Progress and Estimated Cost at Completion for the Period July 1, 2018 through September 30, 2018 report from Wildermuth Environmental, Inc. is provided. Please access this link:

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

<https://cbwm.syncedtool.com/shares/file/f76c63c4c92aa9/?modal=1>

The second ECAC report is scheduled to be issued in mid-February 2019 for the period July 1, 2018 through December 31, 2018.

July 2018:

The breakdown of the total Task Order amount of \$2,929,798 includes direct labor costs for Wildermuth Environmental, Inc. (87.2%) along with other direct charges such as equipment rental, laboratory fees, travel costs, reproduction costs, and outside professional services (12.8%).

The approved "Original" Engineering Services budget of \$2,929,798 was increased by "Carry Over" funding in the amount of \$1,594,653 to the "Amended" amount of \$4,524,451 for FY 2018/19 as provided in the Engineering Services Task Order. All of the "Carry Over" funding is for projects or activities that have bridged previous fiscal years and are expected to be completed in the FY 2018/19 timeframe or future years. The Carry-Over amount of \$1,594,653 from FY 2017/18 to the FY 2018/19 budget are provided in detail as follows:

1. 7107.2 Ground-Level - Engineering Services of \$24,822. The Watermaster's Subsidence Management Plan includes a "long-term pumping test" in the Managed Area to test the Guidance Level that was budgeted for in FY 2017/18. The test was not performed in FY 2017/18. This carryover budget will support the monitoring of injection, production, groundwater levels, and ground motion associated with the test, if it is performed in FY 2018/19.
2. 7107.6 Ground-Level - Contract Services of \$20,727. The Watermaster's Subsidence Management Plan includes a "long-term pumping test" in the Managed Area to test the Guidance Level that was budgeted for in FY 2017/18. The test was not performed in FY 2017/18. This carryover budget will support the monitoring of injection, production, groundwater levels, and ground motion associated with the test, if it is performed in FY 2018/19.
3. 7402.1 OBMP Engineering Services Northwest MZ-1 for \$1,530,279. The installation of the Pomona Extensometer has been delayed until FY 2018/19 and the monitoring program in Northwest MZ-1 has not yet been fully implemented. The carryover request will support the efforts to drill, construct, equip, test, and document the installation of the Pomona Extensometer, and complete the installation of the monitoring network in Northwest MZ-1.
4. 7510 IEUA - Update Recycled Water Permit-Salinity for \$18,825. The Salinity Management effort is a 2.5-year project and is being cost shared with IEUA. FY 2017/18 was the first year of implementation. The unspent budget in FY 2017/18 is necessary to complete the total project.

#### PRADO BASIN HABITAT SUSTAINABILITY PROGRAM

##### **Ongoing Costs**

Program costs that are ongoing (Ongoing Costs) will be cost-shared between Watermaster and IEUA, split on a 50/50 basis, subject to the following limitation: in each fiscal year, neither Watermaster nor IEUA shall be obligated to reimburse the other for Ongoing Costs that exceed the amount that the reimbursing party has budgeted for Ongoing Costs in that fiscal year, except as agreed upon by both parties in writing or as amended during the fiscal year. The first year expenses (FY 2016/17) to be cost shared were approximately \$300,000, with projected future years (FY 2017/18 and forward) estimated at approximately \$150,000. For the purposes of the agreement, Ongoing Costs are defined as the costs associated with the following Program activities:

1. A Riparian Habitat Monitoring Program, including, but not limited to, the following sub-tasks:
  - a. Design and implement a site-specific vegetation monitoring program with the United States Bureau of Reclamation (USBR) and Orange County Water District, pursuant to which USBR will perform site-specific vegetation surveys.

- b. Manage and perform custom flight to collect a high resolution air photo of the Prado Basin Region.
  - c. Collect, check, and upload historical air photos and vegetation survey data in the Prado Basin region.
  - d. Collect, check, and upload historical Landsat data in the Prado Basin region.
2. A Climate Monitoring Program, including, but not limited to, the following sub-task:
    - a. Collect, check, and upload climatic data on an annual basis
  3. Preparation of the AMP Annual Report (Annual Report), including, but not limited to, the following sub-tasks:
    - a. Water level monitoring, vegetation survey, photo monitoring, landsat data, climate data and analysis of the components.
    - b. Analyze data and prepare an administrative draft of the Annual Report for Watermaster/IEUA.
    - c. Incorporate the Watermaster and IEUA comments and prepare a draft Annual Report for review by the PBHSC.
    - d. Meet with PBHSC to review draft Annual Report.
    - e. Incorporate PBHSC comments and finalize the Annual Report.
  4. Annual license fees for monitoring wells.
  5. Project management and administration activities associated with the Program undertaken by a Party's consultant, including, but not limited to, the following sub-tasks:
    - a. Ad-Hoc Meetings
    - b. Preparation of scope and budget for the Program
    - c. Project administration and financial reporting
  6. Other costs required to fulfill the requirements of Peace II Subsequent EIR mitigation measure 4.4-3. Watermaster shall be responsible for the costs associated with the Groundwater Level Monitoring Program, Groundwater Quality Monitoring Program, and Surface Water Monitoring Program.

Watermaster and IEUA shall each have responsibility for its own administrative costs, excluding the tasks and expenses included under Set-Up Costs and Ongoing Costs.

Watermaster and IEUA will meet to review the cost-sharing structure under this agreement and negotiate necessary adjustments in good faith on at least an annual basis.

The Peace II SEIR does not explicitly state a duration for the monitoring and mitigation program. It is logical to assume that the program will last until the drawdown impacts, if any, on the riparian habitat from Peace II activities are fully manifested and not predicated to worsen, and that mitigation measures, if any are required, are fully implemented. This is not a perpetual agreement. Upon termination of the monitoring and any necessary mitigation obligations, the parties may elect to terminate the cost share agreement.

	Wildermuth Environmental, Inc.	50% Billing "TO" IEUA	50% Billing "FROM" IEUA	Costs For Watermaster
Jul. 2018 - May 2019	\$ 133,333.95	\$ (66,666.98)	\$ -	\$ 66,666.98
<b>Totals</b>	<b>\$ 133,333.95</b>	<b>\$ (66,666.98)</b>	<b>\$ -</b>	<b>\$ 66,666.98</b>
	7108.31	7108.31	7108.31	
<b>Maximum Costs</b>	<b>\$ 174,318.00</b>	<b>\$ 87,159.00</b>	<b>\$ 87,159.00</b>	<b>\$ 87,159.00</b>

PREVIOUSLY REPORTED ACTIONS (Descending Order)  
None:

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

OTHER INCOME AND EXPENSE

There were no other significant items to report within the category of Other Income and Expenses for the month ending May 31, 2019.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

July 2018:

Per section VI.D.3 of the Groundwater Storage Program Funding Agreement No. 49960 in the Chino Basin with The Metropolitan Water District of Southern California, the FY 2018/19 annual administrative fee invoice was issued on July 6, 2018 in the amount of \$167,712.36 under invoice number 2018-DYY. Payment in the amount of \$167,712.36 was received and deposited on August 7, 2018.

"CARRY OVER" FUNDING  
BACKGROUND OF "CARRY OVER" FUNDING

Once the FY 2017/18 period as of June 30, 2018 was closed, the amount of unfinished capital projects and related engineering costs was calculated and the "Carry Over" funding amount was added to the current FY 2018/19 budget. The Total "Carry Over" funding amount of \$4,728,140.07 was posted to the accounts as of July 1, 2018. The total amount of \$4,728,140.07 consisted of \$3,068,940.82 from Capital Improvement Projects, \$1,594,653.00 from Engineering Services, and \$64,546.25 from Administration Services (\$3,068,940.82 + \$1,594,653.00 + \$64,546.25 = \$4,728,140.07).

CURRENT MONTH – MAY 2019

As of May 31, 2019, the total (YTD) amount remaining of the "Carried Over" funding is \$1,658,923.23 (\$4,728,140.07 - \$3,069,216.84 = \$1,658,923.23).

The following details are provided:

"Carried Over" Expenses At June 30, 2018

			GL Account		
Blomquist Report - Update	\$	7,500.00	A	6061.6	FY 2017/18 ADMIN
Grd Level - MVWD SCADA Reimbursement	\$	57,046.25	B	7107.63	FY 2017/18 ADMIN
Ground Level - Engineering Services	\$	24,822.00	C	7107.2 <sup>2</sup>	FY 2017/18 ENG
Ground Level - Contract Services	\$	20,727.00	D	7107.6 <sup>3</sup>	FY 2017/18 ENG
PE4 - Northwest MZ-1 Area Project	\$	1,530,279.00	E	7402.1 <sup>4</sup>	FY 2017/18 ENG
PE6&7-IEUA Salinity Mgmt. Plan	\$	18,825.00	F	7510 <sup>5</sup>	FY 2017/18 ENG
Jurupa Pumping Station (TO #5)	\$	37,981.33	G	7209.1 <sup>1</sup>	FY 2013/14 PROJ
Wineville Basin Proof of Concept (TO #6)	\$	35,397.53	H	7209.2 <sup>1</sup>	FY 2013/14 PROJ
RMPU Amendment (TO #1)	\$	589,923.18	I	7690.15	FY 2016/17 PROJ
East Decluz Basin (TO #1)	\$	1,171.33	J	7690.16 <sup>1</sup>	FY 2016/17 PROJ
Hickory Basin Recharge Improvement Project	\$	3,877.00	K	7690.3 <sup>1</sup>	FY 2013/14 PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$	106,590.18	L	7690.4	FY 2014/15 PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$	1,126,900.00	L	7690.4	FY 2015/16 PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$	1,065,600.00	L	7690.4	FY 2016/17 PROJ
CB20 Turnout Noise Abatement Project	\$	859.80	M	7690.5 <sup>1</sup>	FY 2013/14 PROJ
GWR SCADA Upgrades (TO #4)	\$	36,615.05	N	7690.61	FY 2014/15 PROJ
GWR SCADA Upgrades (TO #4)	\$	38,675.00	N	7690.61	FY 2015/16 PROJ
Upper Santa Ana River HCP (TO #7)	\$	15,062.88	O	7690.7	FY 2014/15 PROJ
Upper Santa Ana River HCP (TO #7)	\$	5,000.00	O	7690.7	FY 2015/16 PROJ
Lower Day Basin RMPU (TO #2)	\$	5,287.54	P	7690.8	FY 2016/17 PROJ
<b>Total Balance, June 30, 2018</b>	<b>\$</b>	<b>4,728,140.07</b>			

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"Carried Over" Balance, July 1, 2018	\$	4,728,140.07			
Less: (Invoices Received To Date FY 2018/19)					
Grd Level - MVWD SCADA Reimbursement	\$	(57,046.25)	B	7107.63	
Ground Level - Engineering Services	\$	(24,822.00)	C	7107.2 <sup>2</sup>	
Ground Level - Contract Services	\$	(20,727.00)	D	7107.6 <sup>3</sup>	
PE4 - Northwest MZ-1 Area Project	\$	(1,530,279.00)	E	7402.1 <sup>4</sup>	
PE6&7-IEUA Salinity Mgmt. Plan	\$	(18,825.00)	F	7510 <sup>5</sup>	
Jurupa Pumping Station (TO #5)	\$	(37,981.33)	G	7209.1 <sup>1</sup>	Budget Transfer T-18-07-01 (OUT)
Wineville Basin Proof of Concept (TO #6)	\$	(35,397.53)	H	7209.2 <sup>1</sup>	Budget Transfer T-18-07-01 (OUT)
RMPU Amendment (TO #1)	\$	690,258.97	I	7690.15	Budget Transfer T-18-07-01 (IN)
RMPU Amendment (TO #1)	\$	(1,223,387.58)	I	7690.15	Invoices Paid
Hickory Basin Recharge Improvement Project	\$	(3,877.00)	K	7690.3 <sup>1</sup>	Budget Transfer T-18-07-01 (OUT)
San Sevaine Recharge Improvement Project (TO #8)	\$	(106,590.18)	L	7690.4	Budget Transfer T-18-07-01 (OUT)
San Sevaine Recharge Improvement Project (TO #8)	\$	(1,126,900.00)	L	7690.4	Budget Transfer T-18-07-01 (OUT)
San Sevaine Recharge Improvement Project (TO #8)	\$	(1,065,600.00)	L	7690.4	Budget Transfer T-18-07-01 (OUT)
CB20 Turnout Noise Abatement Project	\$	(859.80)	M	7690.5 <sup>1</sup>	Budget Transfer T-18-07-01 (OUT)
GWR SCADA Upgrades (TO #4)	\$	(29,590.05)	N	7690.61	
Lower Day Basin RMPU (TO #2)	\$	414,540.85	P	7690.8	Budget Transfer T-18-07-01 (IN)
Lower Day Basin RMPU (TO #2)	\$	(164,539.96)	P	7690.8	Invoices Paid
Funds on Hold for Projects	\$	1,272,406.02	Q	7690.9	Budget Transfer T-18-07-01 (IN)
<b>Updated Balance as of May 31, 2019</b>	<b>\$</b>	<b>1,658,923.23</b>			

<sup>1</sup> Project completed with funds available for (1) reallocation to another project, (2) paydown debt service, (3) maintain as extra funding, or (4) distribution to the Appropriate Pool as a credit through the Assessment invoicing.

<sup>2</sup> Engineering work not completed in FY 2017/18 to perform ground level surveys for the long-term pumping test.

<sup>3</sup> Outside professionals work not completed in FY 2017/18 to perform ground level surveys for the long-term pumping test.

<sup>4</sup> Work not completed in FY 2017/18 for installation of the Pomona extensometer and monitoring program for the Northwest MZ-1 area.

<sup>5</sup> Watermaster's portion of the unused FY 2017/18 budget to finalize the 2.5 year project to Update Recycled Water Permit with IEUA.

Updated Balance as of May 31, 2019						
Blomquist Report - Update	\$	7,500.00	A	6061.6	FY 2017/18	ADMIN
Grd Level - MVWD SCADA Reimbursement	\$	-	B	7107.63	FY 2017/18	ADMIN
Ground Level - Engineering Services	\$	-	C	7107.2 <sup>2</sup>	FY 2017/18	ENG
Ground Level - Contract Services	\$	-	D	7107.6 <sup>3</sup>	FY 2017/18	ENG
PE4 - Northwest MZ-1 Area Project	\$	-	E	7402.1 <sup>4</sup>	FY 2017/18	ENG
PE6&7-IEUA Salinity Mgmt. Plan	\$	-	F	7510 <sup>5</sup>	FY 2017/18	ENG
Jurupa Pumping Station (TO #5)	\$	-	G	7209.1 <sup>1</sup>	FY 2013/14	PROJ
Wineville Basin Proof of Concept (TO #6)	\$	-	H	7209.2 <sup>1</sup>	FY 2013/14	PROJ
RMPU Amendment (TO #1)	\$	56,794.57	I	7690.15	FY 2016/17	PROJ
East Declaz Basin (TO #1)	\$	1,171.33	J	7690.16 <sup>1</sup>	FY 2016/17	PROJ
Hickory Basin Recharge Improvement Project	\$	-	K	7690.3 <sup>1</sup>	FY 2013/14	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$	-	L	7690.4	FY 2014/15	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$	-	L	7690.4	FY 2015/16	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$	-	L	7690.4	FY 2016/17	PROJ
CB20 Turnout Noise Abatement Project	\$	-	M	7690.5 <sup>1</sup>	FY 2013/14	PROJ
GWR SCADA Upgrades (TO #4)	\$	7,025.00	N	7690.61	FY 2014/15	PROJ
GWR SCADA Upgrades (TO #4)	\$	38,675.00	N	7690.61	FY 2015/16	PROJ
Upper Santa Ana River HCP (TO #7)	\$	15,062.88	O	7690.7	FY 2014/15	PROJ
Upper Santa Ana River HCP (TO #7)	\$	5,000.00	O	7690.7	FY 2015/16	PROJ
Lower Day Basin RMPU (TO #2)	\$	255,288.43	P	7690.8	FY 2016/17	PROJ
Funds on Hold for Projects	\$	1,272,406.02	Q	7690.9	Budget Transfer T-18-07-01 (IN)	
<b>Updated Balance as of May 31, 2019</b>	<b>\$</b>	<b>1,658,923.23</b>				

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**ADMINISTRATION SERVICES:**

Unspent funds related to ongoing projects and associated activities from the Administration Services budget from FY 2017/18 in several accounts totaling \$64,546.25 were "Carried Over" into the current FY 2018/19 budget. These funds were from the Blomquist Report-Update [A] in the amount of \$7,500 in account (6061.6); and Ground Level – MVWD SCADA Reimbursement [B] in the amount of \$57,046.25 in account (7107.63).

**ENGINEERING SERVICES:**

Unspent funds related to ongoing projects and associated activities from the Engineering Services budget from FY 2017/18 in several accounts totaling \$1,594,653 were "Carried Over" into the current FY 2018/19 budget. These funds were from the Ground Level - Engineering Services [C] in the amount of \$24,822 in account (7107.2); Ground Level - Contract Services [D] in the amount of \$20,727 in account (7107.6); PE4 – Northwest MZ-1 Area Project [E] in the amount of \$1,530,279 in account (7402.1); and PE6&7-IEUA Salinity Management Plan [F] in the amount of \$18,825 in account (7510).

**COMPLETED PROJECTS WITH FUNDING AVAILABLE:**

Several projects were completed during FY 2017/18 or in prior years and have remaining funds available to be either (1) reallocated to other project(s) that need additional funding, (2) keep amounts on reserve for future Capital Improvement Projects, (3) pay down the debt service; or (4) refunded back to the Appropriative Pool when the Assessment package is invoiced. The funding amounts available are as follows: Jurupa Pumping Station [G] in the amount of \$37,981.33 (account 7209.1); Wineville Basin Proof of Concept [H] in the amount of \$35,397.53 (account 7209.2); East Declez Basin [J] in the amount of \$1,171.33 (account 7690.16); Hickory Basin Recharge Improvement Project [K] in the amount of \$3,877.00 (account 7690.3); and CB20 Turnout Noise Abatement Project [M] in the amount of \$859.80 (account 7690.5). The total amount available is \$79,286.99 ( $\$37,981.33 + \$35,397.53 + \$1,171.33 + \$3,877.00 + \$859.80 = \$79,286.99$ ).

**ONGOING RECHARGE IMPROVEMENT PROJECTS:**

The RMPU Amendment-Task Order #1 [I] has a remaining budget from FY 2016/17 of \$589,923.18 in account (7690.15); the San Sevaine Recharge Improvement Project-Task Order #8 [L] has a remaining funded budget balance of \$2,299,090.18 in account (7690.4); the GWR SCADA Upgrades-Task Order #4 [N] has a remaining funded budget balance of \$75,290.05 in account (7690.61); the Upper Santa Ana River HCP-Task Order #7 [O] has a remaining funded balance of \$20,062.88 in account (7690.7); and the Lower Day Basin RMPU-Task Order #2 [P] has a remaining funded budget balance of \$5,287.54 in account (7690.8). The total funded budget for these combined projects is \$2,989,653.83.

As invoices are received from the vendors and booked against these items listed above, the "Carried Over" balance will be reduced throughout the current fiscal year. At August 31, 2019, any remaining balances of the FY 2018/19 and prior years funding (if any), along with any new FY 2018/19 expenses, will then be "Carried Over" into the FY 2019/20 budget.

**AUDIT FIELD WORK**

**FY 2018/19:**

The auditors from the audit firm of Fedak & Brown LLP were at Watermaster on May 28, 2019 for an onsite visit at the Watermaster office. This was the start of the interim field work for the period of July 1, 2018 through May 31, 2019. The final field work for the period of May 1, 2019 through June 30, 2019 has been scheduled for the week of August 26, 2019. The Annual Financial and Audit Reports are scheduled for presentation to the Watermaster Board by Fedak & Brown LLP at the October 24, 2019 Board meeting. The Annual Financial and Audit Reports for FY 2018/19 are scheduled for posting to the Watermaster website no later than October 31, 2019.

**PREVIOUSLY REPORTED ACTIONS (Descending Order)**

March 31, 2019:

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

FY 2018/19:

The auditors from the audit firm of Fedak & Brown LLP are scheduled for an onsite visit at the Watermaster office during the first part of June 2019. A definite time has not been determined by the audit firm. This will be the start of the interim field work for the period of July 1, 2018 through May 31, 2019. The final field work for the period of May 1, 2019 through June 30, 2019 will be scheduled for the week of August 26, 2019. The Annual Financial and Audit Reports are scheduled for presentation to the Watermaster Board by Fedak & Brown LLP at the October 24, 2019 Board meeting. The Annual Financial and Audit Reports for FY 2018/19 are scheduled for posting to the Watermaster website no later than October 31, 2019.

October 2018:

FY 2017/18:

The auditors from the audit firm of Fedak & Brown LLP were onsite at the Watermaster offices on April 17, 2018. This was the start of the interim field work for the period of July 1, 2017 through February 28, 2018. The final field work for the period of March 1, 2018 through June 30, 2018 was completed during August 7, 2018 through August 8, 2018. The Annual Financial and Audit Reports were presented to the Watermaster Board by Fedak & Brown LLP at the October 25, 2018 Board meeting. The Annual Financial and Audit Reports for FY 2017/18 were posted to the Watermaster website on the afternoon of October 25, 2018.

FY 2018/19 EXHIBIT "G" NON-AGRICULTURAL POOL SALE OF WATER

To date, all Exhibit "G" transactions are completed and no new activity for the month to report.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

April 2019:

The invoice to the one Appropriator (Jurupa Community Services District) who purchased Exhibit "G" water from the Overlying (Non-Agricultural) Pool members was issued on March 31, 2019 totaling \$131,000. Payment was received on April 9, 2019 from Jurupa Community Services District. Upon the payment clearing the bank, final payment to the three Overlying (Non-Agricultural) Pool members were issued on May 3, 2019.

March 2019:

Pursuant to Exhibit "G" of the Restated Judgment, members of the Overlying (Non-Agricultural) Pool may annually transfer water to members of the Appropriative Pool through a Watermaster clearinghouse process. Watermaster purchases water from the Overlying (Non-Agricultural) Pool members, which Watermaster then transfers to the members of the Appropriative Pool based on the prescribed process. Members of the Appropriative Pool purchasing water through the process must complete their payments to Watermaster by June 30 of the fiscal year.

On November 28, 2018, Monte Vista Water District notified Watermaster of the availability of 38.542 acre-feet of water for purchase. On December 28, 2018 NRG California South LP notified Watermaster of the availability of 2,000 acre-feet of water for purchase. On December 29, 2018 California Speedway Corporation notified Watermaster of the availability of 925 acre-feet of water for purchase. The total volume offered by all three NAP members was 2,963.542 acre-feet. The purchase price was \$655.00 per acre-foot, which was approved by both the NAP and Appropriative Pool, and is a court-approved temporary substitution for the rate of 92% of MWD's Replenishment Rate. This was the amount of water available for purchase and the applicable rate in 2019 under Exhibit "G."

The invoice to the one Appropriator (Jurupa Community Services District) who purchased Exhibit "G" water from the Non-Agricultural Pool members was issued on March 31, 2019 totaling \$131,000. Upon receipt of payment from Jurupa Community Services District, and once the payment has cleared the bank, Watermaster will issue payments to the three Overlying (Non-Agricultural) Pool members as follows:

	Volume Made Available	% of Volume Made Available	Allocated 200.000 AF	Amount Payable
			200.000	
MVWD Non-Ag	38.542	1.30%	2.601	\$ 1,703.71
NRG CA South LP	2,000.000	67.49%	134.974	\$ 88,407.72
CA Speedway Corp.	925.000	31.21%	62.425	\$ 40,888.57
	<u>2,963.542</u>	<u>100.00%</u>	<u>200.000</u>	<u>\$ 131,000.00</u>

Water to be allocated pro-rata based on total volume of water made available - see Restated Judgment, Exhibit "G", ¶ 9 e

## ASSESSMENT INVOICING

### CURRENT MONTH – MAY 2019

To date, all assessment invoice payments have been received. No Assessment activity for the month to report.

### PREVIOUSLY REPORTED ACTIONS (Descending Order)

#### January 2019:

The Non-Agricultural Pool approved a Special Assessment of \$35,000 for ongoing legal services during a Confidential Session on January 10, 2019. The additional amount of \$35,000 was allocated based upon 2017-2018 actual production (same as the initial \$60,000 invoiced on November 15, 2018). The action of the Pool increased the FY 2018/19 budget (account 8567) from \$60,000 to \$95,000. Watermaster staff created and emailed the Special Assessment invoices on Monday, January 14, 2019. The Assessment invoices were due 30 days from invoice date, with all payments to be received by Watermaster on or before the close of business Thursday, February 14, 2019. As in prior years, payments could be made by either check, wire transfer, or ACH payment. To date, all payments have been received.

#### December 2018:

The Watermaster Board approved the FY 2018-2019 Assessment Package (Production Year 2017-2018) at the November 15, 2018 meeting. Watermaster staff created and emailed the Assessment invoices on Thursday, November 15, 2018 (Non-Agricultural Pool) and Friday, November 16, 2018 (Appropriative Pool). The Assessment invoices were due 30 days from invoice date, with all payments to be received by Watermaster on or before the close of business Monday, December 17, 2018. As in prior years, payments could be made by either check, wire transfer, or ACH payment.

As of December 17, 2018, all but one payment had been received. The one late payment from TAMCO in the amount of \$1,768.92 was received on January 15, 2019. Per the Judgment, a late payment fee of \$13.57 was assessed on January 15, 2019 and payment on the late fee was received by TAMCO on January 31, 2019.

#### November 2018:

The Watermaster Board approved the FY 2018-2019 Assessment Package (Production Year 2017-2018) at the November 15, 2018 meeting. Watermaster staff created and emailed the Assessment invoices on Thursday, November 15, 2018 (Non-Agricultural Pool) and Friday, November 16, 2018 (Appropriative Pool). The Assessment invoices were due 30 days from invoice date, with all payments to be received by Watermaster on or before the close of business Monday, December 17, 2018. As in prior years, payments could be made by either check, wire transfer, or ACH payment.

As of December 17, 2018, all but one payment had been received. The one late payment from TAMCO in the amount of \$1,768.92 has not been received as of the report date. Watermaster is in contact with the

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representatives from TAMCO (now CMC Steel California), and they assure Watermaster that payment is being processed and will be issued. It appears that with the change in ownership from TAMCO to CMC Steel California, a delay in processing with the accounts payable office in Dallas resulted in the late payment. Upon receipt of the payment, a late payment invoice will be generated and issued to CMC Steel California.

Per the Judgment Section VI, 55 (c) Delinquency. Any delinquent assessment shall bear interest at 10% per annum (or such greater rate as shall equal the average current cost of borrowed funds to the Watermaster) from the due date thereof. Such delinquent assessment and interest may be collected in a show-cause proceeding herein instituted by the Watermaster, in which case the Court may allow Watermaster its reasonable costs of collection, including attorney's fees.

October 2018:

The Watermaster Board approved the FY 2018-2019 Assessment Package (Production Year 2017-2018) at the November 15, 2018 meeting. Watermaster staff created and emailed the Assessment invoices on Thursday, November 15, 2018 (Non-Agricultural Pool) and Friday, November 16, 2018 (Appropriative Pool). The Assessment invoices are due 30 days from invoice date, with all payments to be received by Watermaster on or before the close of business Monday, December 17, 2018. As in prior years, payments can be made by either check, wire transfer, or ACH payment.

This year's Assessment invoicing included the standard Assessment amounts per the Assessment Package, along with any Special Assessments and "Excess Cash Reserve" refund credits. The Appropriative Pool had a Special Assessment of \$75,000 as approved during the budgeting process. The \$75,000 was allocated to the Appropriative Pool members based upon a prorated formula of 50% Operating Safe Yield (OSY) and 50% physical production numbers from FY 2017/18.

The Non-Agricultural Pool had a Special Assessment of \$60,000 as approved during a Confidential Session on April 12, 2018. The \$60,000 was allocated to the Non-Agricultural Pool members based upon the actual production numbers from 2017/18.

For this fiscal year, there were no refunds due regarding the Excess Cash Reserve refunds to the Appropriative Pool members and the Non-Agricultural Pool members. The Excess Cash Reserve-Recharge Debt Payment refund of \$57,732 was refunded to the Appropriative Pool members based upon the pro rata share of FY 2017/18 Recharge Debt Assessments paid. The refunds were applied as credits on the Assessment invoices and allocated based upon last year's percentage of assessments paid.

September 2018:

The FY 2018/19 Assessment Package (Draft) was presented at Workshop #1 on Tuesday, October 23, 2018 at 1:00pm. Workshop #2 for the FY 2018/19 Assessment Package (Draft) was held on Tuesday, October 30, 2018 at 1:00pm.

The FY 2018/19 Assessment Package is scheduled for presentation to the Appropriative and Non-Agricultural Pools on Thursday, November 8, 2018 and to the Agricultural Pool on Tuesday, November 13, 2018. The FY 2018/19 Assessment Package will be presented to the Advisory Committee and Board on Thursday, November 15, 2018.

If the FY 2018/19 Assessment Package is approved by the Advisory Committee and adopted by the Board on Thursday, November 15, 2018, the Assessment invoices will be issued by Watermaster no later than Friday, November 16, 2018 with payment due 30-days after invoice date. Payments will be due to Watermaster on Monday, December 17, 2018. As past practice, payment can be made to Watermaster by either a wire transfer or check. Per the judgment, late fees could be assessed for any payment not received as of 5:00pm on Monday, December 17, 2018.

August 2018:

The FY 2018/19 Assessment Package (Draft) is scheduled for presentation at Workshop #1 on Tuesday, October 23, 2018 at 1:00pm. If needed, the FY 2018/19 Assessment Package (Draft) is also scheduled for presentation at Workshop #2 on Tuesday, October 30, 2018 at 1:00pm.

The FY 2018/19 Assessment Package is scheduled for presentation to the Pools on Thursday, November 8, 2018 and to the Advisory Committee and Board on Thursday, November 15, 2018.

If the FY 2018/19 Assessment Package is approved by the Advisory Committee and adopted by the Board on Thursday, November 15, 2018, the Assessment invoices will be issued by Watermaster no later than Friday, November 16, 2018 with payment due 30-days after invoice date. Payments will be due to Watermaster on Monday, December 17, 2018. As past practice, payment can be made to Watermaster by either a wire transfer or check. Per the judgment, late fees could be assessed for any payment not received as of 5:00pm on Monday, December 17, 2018.

To date, all assessment invoice payments have been received. No Assessment activity for the month to report.

#### ATTACHMENTS

1. Financial Report - B5

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	1/12th (8.33%) of the Total Budget				11/12th (91.67%) of the Total Budget				100% of the Total Budget			
	For The Month of May 2019				Year-To-Date as of May 31, 2019				Fiscal Year End as of June 30, 2019			
	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget	Projected	Budget	\$ Over(Under)	% of Budget
<b>Income</b>												
4010 · Local Agency Subsidies	0.00	0.00	0.00	0.0%	167,712.36	167,712.00	0.36	100.0%	167,712.36	167,712.00	0.36	100.0%
4110 · Admin Asmnts-Approp Pool	0.00	0.00	0.00	0.0%	8,298,614.95	8,306,750.00	-8,135.05	99.9%	8,298,614.95	8,306,750.00	-8,135.05	99.9%
4120 · Admin Asmnts-Non-Agri Pool	0.00	0.00	0.00	0.0%	392,157.18	388,795.00	3,362.18	100.87%	392,157.18	388,795.00	3,362.18	100.87%
4700 · Non Operating Revenues	8.55	0.00	8.55	100.0%	163,800.35	47,977.00	115,823.35	341.41%	223,800.35	63,968.00	159,832.35	349.86%
4900 · Miscellaneous Income	0.00	0.00	0.00	0.0%	121.01	0.00	121.01	100.0%	121.01	0.00	121.01	100.0%
<b>Total Income</b>	<b>8.55</b>	<b>0.00</b>	<b>8.55</b>	<b>100.0%</b>	<b>9,022,405.85</b>	<b>8,911,234.00</b>	<b>111,171.85</b>	<b>101.25%</b>	<b>9,082,405.85</b>	<b>8,927,225.00</b>	<b>155,180.85</b>	<b>101.74%</b>
<b>Gross Profit</b>	<b>8.55</b>	<b>0.00</b>	<b>8.55</b>	<b>100.0%</b>	<b>9,022,405.85</b>	<b>8,911,234.00</b>	<b>111,171.85</b>	<b>101.25%</b>	<b>9,082,405.85</b>	<b>8,927,225.00</b>	<b>155,180.85</b>	<b>101.74%</b>
<b>Expense</b>												
6010 · Admin. Salary/Benefit Costs	112,997.58	92,451.00	20,546.58	122.22%	1,049,983.00	979,853.00	70,130.00	107.16%	1,122,759.58	1,062,695.00	60,064.58	105.65%
6020 · Office Building Expense	9,266.97	8,983.00	283.97	103.16%	99,444.19	102,766.00	-3,321.81	96.77%	111,378.08	112,399.00	-1,020.92	99.09%
6030 · Office Supplies & Equip.	2,764.99	2,125.00	639.99	130.12%	26,997.87	30,750.00	-3,752.13	87.8%	31,614.00	32,500.00	-886.00	97.27%
6040 · Postage & Printing Costs	2,661.62	5,019.00	-2,357.38	53.03%	36,791.61	43,304.00	-6,512.39	84.96%	45,692.38	47,142.00	-1,449.62	96.93%
6050 · Information Services	11,380.12	11,678.00	-297.88	97.45%	147,114.04	157,028.00	-9,913.96	93.69%	164,154.24	168,656.00	-4,501.76	97.33%
6060 · Contract Services	3,605.00	600.00	3,005.00	600.83%	40,170.07	45,125.00	-4,954.93	89.02%	44,085.42	45,125.00	-1,039.58	97.7%
6070 · Watermaster Legal Services	40,758.37	13,002.00	27,756.37	313.48%	432,640.67	143,014.00	289,626.67	302.52%	441,286.39	156,015.00	285,271.39	282.85%
6080 · Insurance	0.00	0.00	0.00	0.0%	36,482.67	28,815.00	7,667.67	126.61%	37,547.67	30,315.00	7,232.67	123.86%
6110 · Dues and Subscriptions	365.00	200.00	165.00	182.5%	31,201.94	34,440.00	-3,238.06	90.6%	34,414.50	34,590.00	-175.50	99.49%
6140 · WM Admin Expenses	608.50	450.00	158.50	135.22%	2,248.32	3,000.00	-751.68	74.94%	2,332.83	3,350.00	-1,017.17	69.64%
6150 · Field Supplies	118.64	0.00	118.64	100.0%	1,380.87	1,462.00	-81.13	94.45%	1,430.94	1,550.00	-119.06	92.32%
6170 · Travel & Transportation	1,846.12	2,355.00	-508.88	78.39%	17,556.79	22,470.00	-4,913.21	78.13%	22,442.09	24,170.00	-1,727.91	92.85%
6190 · Training, Conferences, Seminars	1,529.00	3,165.00	-1,636.00	48.31%	27,440.56	35,292.00	-7,851.44	77.75%	36,870.89	37,857.00	-986.11	97.4%
6200 · Advisory Comm - WM Board	2,105.69	4,256.00	-2,150.31	49.48%	34,919.61	43,575.00	-8,655.39	80.14%	44,982.36	47,539.00	-2,556.64	94.62%
6300 · Watermaster Board Expenses	11,003.90	13,596.00	-2,592.10	80.94%	143,486.15	165,851.00	-22,364.85	86.52%	171,971.96	178,980.00	-7,008.04	96.08%
8300 · Appr PI-WM & Pool Admin	8,519.61	12,112.00	-3,592.39	70.34%	127,793.60	128,874.00	-1,080.40	99.16%	142,293.60	145,552.00	-3,258.40	97.76%
8400 · Agri Pool-WM & Pool Admin	2,851.32	5,541.00	-2,689.68	51.46%	36,561.80	56,881.00	-20,319.20	64.28%	57,986.73	62,054.00	-4,067.27	93.45%
8467 · Ag Legal & Technical Services	14,712.50	17,083.00	-2,370.50	86.12%	309,554.23	187,917.00	121,637.23	164.73%	370,314.39	205,000.00	165,314.39	180.64%
8470 · Ag Meeting Attend -Special	1,075.00	1,850.00	-775.00	58.11%	13,350.00	20,350.00	-7,000.00	65.6%	15,600.00	22,200.00	-6,600.00	70.27%
8471 · Ag Pool Expense	0.00	0.00	0.00	0.0%	14,018.00	67,500.00	-53,482.00	20.77%	14,018.00	85,000.00	-70,982.00	16.49%
8485 · Ag Pool - Misc. Exp. - Ag Fund	0.00	0.00	0.00	0.0%	0.00	300.00	-300.00	0.0%	0.00	400.00	-400.00	0.0%
8500 · Non-Ag PI-WM & Pool Admin	6,315.79	12,388.00	-6,072.21	50.98%	132,360.01	132,700.00	-339.99	99.74%	182,856.09	144,837.00	38,019.09	126.25%
9400 · Depreciation Expense	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9500 · Allocated G&A Expenditures	-19,422.95	-34,935.00	15,512.05	55.6%	-207,605.91	-384,288.00	176,682.09	54.02%	-251,077.61	-419,223.00	168,145.39	59.89%
6900 · Optimum Basin Mgmt Plan	148,127.05	179,554.00	-31,426.95	82.5%	1,693,129.26	1,974,803.00	-281,673.74	85.74%	2,123,536.99	2,152,735.00	-29,198.01	98.64%
9501 · G&A Expenses Allocated-OBMP	4,403.36	10,044.00	-5,640.64	43.84%	43,185.76	110,488.00	-67,302.24	39.09%	58,747.39	120,532.00	-61,784.61	48.74%
7101 · Production Monitoring	2,756.07	5,735.00	-2,978.93	48.06%	53,190.36	59,880.00	-6,689.64	88.83%	55,618.62	64,875.00	-9,256.38	85.73%
7102 · In-line Meter Installation	0.00	31,772.00	-31,772.00	0.0%	0.00	348,551.00	-348,551.00	0.0%	0.00	380,107.00	-380,107.00	0.0%
7103 · Grdwtr Quality Monitoring	8,053.60	22,661.00	-14,607.40	35.54%	221,013.81	302,496.00	-81,482.19	73.06%	249,510.24	324,329.00	-74,818.76	76.93%
7104 · Gdwtr Level Monitoring	17,170.19	28,122.00	-10,951.81	61.06%	279,802.26	306,164.00	-26,361.74	91.39%	320,792.77	333,553.00	-12,760.23	96.17%
7105 · Sur Wtr Qual Monitoring	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
7106 · Wtr Level Sensors Installation	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
7107 · Ground Level Monitoring	78,441.81	40,852.00	37,589.81	192.02%	266,720.57	404,553.25	-137,832.68	65.93%	370,014.28	424,094.25	-54,079.97	87.25%

	1/12th (8.33%) of the Total Budget				11/12th (91.67%) of the Total Budget				100% of the Total Budget			
	For The Month of May 2019				Year-To-Date as of May 31, 2019				Fiscal Year End as of June 30, 2019			
	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget	Projected	Budget	\$ Over(Under)	% of Budget
7108 · Hydraulic Control Monitoring	6,164.50	8,102.00	-1,937.50	76.09%	77,070.99	112,712.00	-35,641.01	68.38%	85,663.34	120,704.00	-35,040.66	70.97%
7109 · Recharge & Well Monitoring Prog	1,328.90	2,104.00	-775.10	63.16%	7,183.70	23,144.00	-15,960.30	31.04%	19,345.20	25,248.00	-5,902.80	76.62%
7200 · PE2- Comp Recharge Pgm	4,650.65	12,978.00	-8,327.35	35.84%	984,596.84	1,322,136.00	-337,539.16	74.47%	1,333,003.68	1,334,437.00	-1,433.32	99.89%
7300 · PE3&5-Water Supply/Desalte	0.00	1,827.00	-1,827.00	0.0%	1,474.40	19,294.00	-17,819.60	7.64%	19,423.20	20,934.00	-1,510.80	92.78%
7400 · PE4- Mgmt Plan	26,508.83	8,590.00	17,918.83	308.6%	1,846,983.24	1,834,271.00	12,712.24	100.69%	1,863,233.24	1,842,746.00	20,487.24	101.11%
7500 · PE6&7-CoopEfforts/SaltMgmt	6,222.79	15,702.00	-9,479.21	39.63%	95,856.70	191,022.00	-95,165.30	50.18%	196,626.25	206,603.00	-9,976.75	95.17%
7600 · PE8&9-StorageMgmt/Conj Use	580.54	3,250.00	-2,669.46	17.86%	100,920.77	124,045.00	-23,124.23	81.36%	125,978.43	127,048.00	-1,069.57	99.16%
7690 · Recharge Improvement Debt Pymt	0.00	0.00	0.00	0.0%	1,998,102.59	3,649,525.82	-1,651,423.23	54.75%	3,634,525.82	3,649,525.82	-15,000.00	99.59%
7700 · Inactive Well Protection Prgm	0.00	41.00	-41.00	0.0%	0.00	458.00	-458.00	0.0%	0.00	500.00	-500.00	0.0%
9502 · G&A Expenses Allocated-Projects	15,019.59	24,891.00	-9,871.41	60.34%	164,420.15	273,800.00	-109,379.85	60.05%	192,330.22	298,691.00	-106,360.78	64.39%
<b>Total Expense</b>	<b>534,490.65</b>	<b>568,144.00</b>	<b>-33,653.35</b>	<b>94.08%</b>	<b>10,387,541.49</b>	<b>13,104,322.07</b>	<b>-2,716,780.58</b>	<b>79.27%</b>	<b>13,493,304.21</b>	<b>13,655,365.07</b>	<b>-162,060.86</b>	<b>98.81%</b>
<b>Net Ordinary Income</b>	<b>-534,482.10</b>	<b>-568,144.00</b>	<b>33,661.90</b>	<b>94.08%</b>	<b>-1,365,135.64</b>	<b>-4,193,088.07</b>	<b>2,827,952.43</b>	<b>32.56%</b>	<b>-4,410,898.36</b>	<b>-4,728,140.07</b>	<b>317,241.71</b>	<b>93.29%</b>
<b>Other Income</b>												
4210 · Approp Pool-Replenishment	0.00	0.00	0.00	0.0%	788,271.21	0.00	788,271.21	100.0%	788,271.21	0.00	788,271.21	100.0%
4220 · Non-Ag Pool-Replenishment	0.00	0.00	0.00	0.0%	7,968.12	0.00	7,968.12	100.0%	7,968.12	0.00	7,968.12	100.0%
4225 · Interest Income	0.00	0.00	0.00	0.0%	6,949.00	0.00	6,949.00	100.0%	11,000.00	0.00	11,000.00	100.0%
4226 · LAIF Fair Market Value	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4600 · Groundwater Sales	0.00	0.00	0.00	0.0%	131,000.00	0.00	131,000.00	100.0%	131,000.00	0.00	131,000.00	100.0%
4715 · Gain on Sale of Assets	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
<b>Total Other Income</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0%</b>	<b>934,188.33</b>	<b>0.00</b>	<b>934,188.33</b>	<b>100.0%</b>	<b>938,239.33</b>	<b>0.00</b>	<b>938,239.33</b>	<b>100.0%</b>
<b>Other Expense</b>												
5010 · Groundwater Replenishment	0.00	0.00	0.00	0.0%	488,109.70	0.00	488,109.70	100.0%	796,000.00	0.00	796,000.00	100.0%
5100 · Other Water Purchases	131,000.00	0.00	131,000.00	100.0%	131,000.00	0.00	131,000.00	100.0%	131,000.00	0.00	131,000.00	100.0%
9200 · Interest Expense	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9251 · Other Post Employment Benefits	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9996 · Refund-Excess Reserves-Approp.	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9997 · Refund-Excess Reserves-NonAg	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9998 · Refund-Recharge Debt-Approp.	0.00	0.00	0.00	0.0%	57,732.00	0.00	57,732.00	100.0%	57,732.00	0.00	57,732.00	100.0%
9999 · To/(From) Reserves	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
<b>Total Other Expense</b>	<b>131,000.00</b>	<b>0.00</b>	<b>131,000.00</b>	<b>100.0%</b>	<b>676,841.70</b>	<b>0.00</b>	<b>676,841.70</b>	<b>100.0%</b>	<b>984,732.00</b>	<b>0.00</b>	<b>984,732.00</b>	<b>100.0%</b>
<b>Net Other Income</b>	<b>-131,000.00</b>	<b>0.00</b>	<b>-131,000.00</b>	<b>100.0%</b>	<b>257,346.63</b>	<b>0.00</b>	<b>257,346.63</b>	<b>100.0%</b>	<b>-46,492.67</b>	<b>0.00</b>	<b>-46,492.67</b>	<b>100.0%</b>
<b>Net Income</b>	<b>-665,482.10</b>	<b>-568,144.00</b>	<b>-97,338.10</b>	<b>117.13%</b>	<b>-1,107,789.01</b>	<b>-4,193,088.07</b>	<b>3,085,299.06</b>	<b>26.42%</b>	<b>-4,457,391.03</b>	<b>-4,728,140.07</b>	<b>270,749.04</b>	<b>94.27%</b>

Note: Please see the staff report (Financial Report-B5) for additional detailed information on the account categories.

# **CHINO BASIN WATERMASTER**

## **I. CONSENT CALENDAR**

**C. APPLICATION FOR RECHARGE – FONTANA WATER COMPANY (MAR)**



# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 25, 2019  
TO: Board Members  
SUBJECT: Application for Recharge - Fontana Water Company (MAR) (Consent Calendar Item I.C.)

### SUMMARY

Issue: On June 5, 2019, Fontana Water Company submitted an Application for Recharge for up to 100 acre-feet to be recharged to a pilot project located at a vineyard south of Beech Avenue and east of Cherry Avenue in the City of Fontana.

Recommendation: Approve Fontana Water Company's Application for Recharge and direct Watermaster staff to account for this supplemental water recharged in Fontana Water Company's existing Local Supplemental Storage account.

Financial Impact: None

### Future Consideration

**Watermaster Board – July 25, 2019:** Approval [Within WM Duties and Powers]

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### ACTIONS:

**Agricultural Pool – June 12, 2019:** Unanimously recommended Advisory Committee to recommend to the Watermaster Board to approve.

**Appropriative Pool – June 13, 2019:** Unanimously recommended Advisory Committee to recommend to the Watermaster Board to approve subject to changes which they deem appropriate.

**Non-Agricultural Pool – June 13, 2019:** Unanimously recommended Advisory Committee to recommend to the Watermaster Board to approve.

**Advisory Committee – July 18, 2019:** Unanimously recommended to the Watermaster Board to approve.

**Watermaster Board – July 25, 2019:**

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

## BACKGROUND

The Court approved the Peace Agreement, the OBMP Implementation Plan and the goals and objectives identified in the OBMP Phase I Report on July 13, 2000, and ordered Watermaster to proceed in a manner consistent with the Peace Agreement. Under the Peace Agreement, Watermaster approval is required for Applications to store, recapture, recharge or transfer water, as well as for Applications for credits or reimbursements and storage and recovery programs.

Where there is no Material Physical Injury (MPI), Watermaster must approve the application. Where the request for Watermaster approval is submitted by a Party to the Judgment, there is a rebuttable presumption that most of the proposed activities do not result in MPI to a Party to the Judgment or the Basin (Storage and Recovery Programs do not have this presumption).

## DISCUSSION

On June 5, 2019, Fontana Water Company (FWC) submitted an Application for Recharge for up to 100 acre-feet. The Application states that the method of recharge is surface spreading into a vineyard located along the south side of Beech Avenue and east of Cherry Avenue in the City of Fontana (Attachment 1). The Application identifies the source of water to be treated Lytle Creek Surface Water. Attached to the Application is a Certificate of Analysis for the water quality (Attachment 2). This recharge event is part of a pilot test to explore the feasibility of supplemental recharge taking place in an agricultural setting.

The pilot test will take place at a property owned by the Intex Corporation, currently being utilized to dry farm grapes used for wine production. The land owner has indicated support for this pilot project. The Inland Empire Utilities Agency has drafted preliminary earthwork plans to the property to enhance water capture. The concept for the pilot test was presented at the Recharge Investigation and Projects Committee on October 18, 2018 and received support to move forward. At the suggestion of a committee member, staff reached out to UC Riverside and Cal Poly Pomona to see if there were any academic interests that may align with the project. At this time, neither institution has expressed interest in the project.

FWC intends to recharge the water into the pilot test area to offset over-production during fiscal years 2019/20 and 2020/21. The amount recharged will be subject to evaporative losses. The net recharged amount, consistent with that of other Parties that have submitted Applications for Recharge and have Local Storage Agreements, will be placed in its Local Supplemental Storage account and will be tracked by Watermaster Staff. Per the Peace II Agreement, storage losses will be applied to all water placed into a Local Supplemental Storage Account in a manner consistent with all other water held in storage. The total volume held in local storage accounts is pending a future determination, and the recommendation as written is intended to be consistent with prior recharge and storage application recommendations.

Should the water not be used in the fiscal year for over-production, the water will be placed into storage. An Application to Recapture Water in Storage will need to be submitted, prior to recapture. If the method and location of recapture from storage is to exchange with other groundwater producers in the Basin, when such an exchange is proposed, Fontana Water Company and the other Party will need to submit appropriate water transfer forms, which include the recapture plan.

Wildermuth Environmental, Inc. (WEI) performed a MPI analysis of the Application for Recharge. WEI prepared a letter, dated June 7, 2019, which states that there will be no MPI due to FWC's proposed recharge as described in the June 5, 2019 recharge application (Attachment 3).

There is no financial impact to Watermaster associated with the approval of FWC's Recharge Application. On June 12, 2019 the Agricultural Pool unanimously recommended Advisory Committee approval. On June 13, 2019 the Appropriative and Non-Agricultural Pool unanimously recommended Advisory Committee approval. On June 18, 2019 the Advisory Committee unanimously recommended Board approval.

ATTACHMENTS

1. Fontana Water Company Recharge Application (MAR) Dated June 5, 2019
2. Weck Laboratories, Inc Certificate of Analysis, Title 22 Monitoring Report
3. June 7, 2019 letter from WEI to Watermaster: "Analysis of Material Physical Injury for the Fontana Water Company (FWC) Recharge Application, as submitted to the Chino Basin Watermaster on June 5, 2019 (hereafter June 5, 2019 recharge application for the vineyard pilot)"

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FOR PAGINATION

# FONTANA WATER COMPANY

A DIVISION OF SAN GABRIEL VALLEY WATER COMPANY

15966 ARROW ROUTE • P.O. BOX 987, FONTANA, CALIFORNIA 92334 • (909) 822-2201

June 5, 2019

Mr. Peter Kavounas  
General Manager  
Chino Basin Watermaster  
9641 San Bernardino Road  
Rancho Cucamonga, California 91730

Subject: Fiscal Year 2019/2020 Recharge Application - Fontana Water Company

Dear Mr. Kavounas:

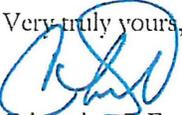
Enclosed herewith is Fontana Water Company's Application for Recharge dated June 5, 2019.

In order to provide Fontana Water Company with the most flexibility to utilize its water supply assets and provide support for a collaborative project with IEUA, Watermaster and Intex Corporation, we submit the attached application to Watermaster to recharge supplemental water delivered into the Chino Basin. The quantity of water recharged by Fontana Water Company may include up to 100 acre feet. This application to recharge water into the Vineyard located South of Beech Avenue and East of Cherry Avenue is intended to serve as a pilot test and will offset a portion of Fontana Water Company's over-production during the 2019-2020 fiscal year.

The supplemental water that Fontana Water Company is requesting to be recharged is currently treated at Fontana Water Company's Sandhill Treatment Plant. The water will be delivered through the company's distribution system to the proposed recharge area. The supplemental water is treated to potable standards and is not anticipated to pose any adverse impacts to existing water quality. Prior to recharging any water into the proposed recharge area, land owner and Watermaster shall agree to indemnify, hold harmless and defend Fontana Water Company and its employees from and against any claim, cause of action or any liability, loss, damage or expense arising from water delivered to the proposed recharge area for this pilot test and any future recharge events.

Please acknowledge receipt of this letter and enclosure by signing the enclosed copy. If you have any question or need additional information please contact me at (909) 201-7338.

Very truly yours,



Cristopher I. Fealy, P.E.  
Water Resources Manager

CIF:bf

Enclosure

ACKNOWLEDGEMENT

Receipt of this letter and enclosure is hereby acknowledged.

CHINO BASIN WATERMASTER

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

COPY

# FONTANA WATER COMPANY

A DIVISION OF SAN GABRIEL VALLEY WATER COMPANY

15966 ARROW ROUTE • P.O. BOX 987, FONTANA, CALIFORNIA 92334 • (909) 822-2201

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Christopher I. Fealy, P.E.  
Water Resources Manager

CIF:bf

Enclosure

ACKNOWLEDGEMENT

Receipt of this letter and enclosure  
is hereby acknowledged.

CHINO BASIN WATERMASTER

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

## Form 2a - Application for Supplemental Water Recharge

Applicant Information and Recharge Request			
Person	Fontana Water Company (FWC)	Date Requested	6/5/2019
Contact (individual)	Cris Fealy	Date Approved	
Street Address	15966 Arrow Route	Proposed Period of Time Covered by Recharge Application (mm/yyyy to mm/yyyy)	09/2019 to 09/2020
City	Fontana Water Comapny		
State	CA		
Zip Code	92335	Requested Total Amount of Recharge Over the Application Period (AF)	up to 100
Telephone	909-822-2201	Approved Total Amount of Recharge Over the Application Period (AF)	
Fax	909-823-5046		
Email	cifealy@fontanawater.com		

Source(s) of Supply (check box and provide supporting information)	
<input type="checkbox"/>	State Water Project
<input type="checkbox"/>	Colorado River Aqueduct
<input checked="" type="checkbox"/>	Local Supplemental (identify source and attach source water quality characterization including TDS and TN; use as many sheets as necessary) <b>Treated Lytle Creek Water from Sandhill Treatment Plant (F14)</b>
<input type="checkbox"/>	Recycled Water (identify source and attach source water quality characterization including TDS and TN; use as many sheets as necessary)
<input type="checkbox"/>	Other (identify source and attach source water quality characterization including TDS and TN; use as many sheets as necessary)

Method of Recharge (check box and provide supporting information)	
<input checked="" type="checkbox"/>	Surface Spreading
	Recharge Basin Name(s) <b>Vineyard Pilot - S/Beech Ave &amp; E/Cherry Ave</b>
	Expected Period of Recharge (mm/dd to mm/dd) <b>Varies</b>
	Depth to Water in Recharge Area (ft-bgs) <b>Unknown</b>
	Water Quality in Recharge Area (attach characterization) <b>Treated to Potable Standards.</b>
<input type="checkbox"/>	Injection
	Well Names and Locations (attach well completion report if not on file with the Watermaster)
	Expected Period of Recharge (mm/dd to mm/dd)
	Depth to Water in Recharge Area (ft-bgs)
	Water Quality in Recharge Area (attach characterization)
<input type="checkbox"/>	In-Lieu Exchange
	Treatment Plant and Turnout
	Share of Safe Yield (percent and AFY)
	Carryover Right, if Applicable (AF)
	Water in Storage (AF)
	Pumping Capacity (mgd or AFM)
	Expected Period of Recharge (mm/dd to mm/dd)
	Depth to Water in Area Impacted by In-Lieu Recharge (ft-bgs)
	Water Quality in Area Impacted by In-Lieu Recharge (attach characterization)

Form 2a - Application for Supplemental Water Recharge

Material Physical Injury

Is the applicant aware of any potential material physical injury to a Party to the Judgment or the Basin that may be caused by the action covered by the Application?

YES  NO

If yes what are the proposed mitigation measures, if any, that might reasonably be imposed to ensure that the action does not result in Material Physical Injury to a Party or the Basin (provide list of mitigation measures and rational either below or attach one to this application)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

BY:



Applicant

6/5/2019

Date

To Be Completed by Watermaster

Is the Person a Party to the Judgment that has:

Previously contributed to the implementation of the OBMP?

YES  NO

Is in compliance with their continuing covenants under the Peace Agreement?

YES  NO

(If answer to previous question is NO)

Paid or delivered to Watermaster "financial equivalent" consideration to offset the past performance prior to the OBMP implementation?

YES  NO

Promised continued future compliance with Watermaster Rules and Regulations?

YES  NO

Date of Approval from Appropriative Pool (mm/dd/yyyy) \_\_\_\_\_

Date of Approval from Overlying Non-Ag Pool (mm/dd/yyyy) \_\_\_\_\_

Date of Approval from Overlying Ag Pool (mm/dd/yyyy) \_\_\_\_\_

Hearing Date (if any) (mm/dd/yyyy) \_\_\_\_\_

Date of Approval by Advisory Committee (mm/dd/yyyy) \_\_\_\_\_

Date of Approval from Board (mm/dd/yyyy) \_\_\_\_\_

Recharge Agreement Number \_\_\_\_\_

# Certificate of Analysis

## FINAL REPORT



WECK LABORATORIES, INC.

Work Orders: 9A02106

Project: Sandhill Treated Title 22 Monitoring

Attn: John Catone

Client: San Gabriel Valley Water Company - Fontana  
P. O. Box 6010  
El Monte, CA 91734

Report Date: 2/01/2019

Received Date: 1/2/2019

Turnaround Time: Normal

Phones: (909) 201-7331

Fax: (626) 582-1571

P.O. #:

Billing Code:

Dear John Catone :

Enclosed are the results of analyses for samples received 1/2/2019 with the Chain-of-Custody document. The samples were received in good condition, at 2.5 °C and on ice. All analysis met the method criteria except as noted in the case narrative or in the report with data qualifiers.

## Sample Results

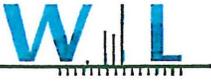
Sample: 3076- Sandhill Treated 3610041-076  
9A02106-01 (Water)

Sampled: 01/02/19 10:00 by Eric Tarango

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: _Various	Batch ID: [CALC]	Instr: [CALC]	Prepared: 01/09/19 13:54			Analyst: jan	
Total Anions	4.8		0.070	meq/l	1	01/09/19 13:15	
Total Cations	4.6		0.038	meq/l	1	01/11/19 15:24	
Total hardness as CaCO3	105		0.662	mg/l	1	01/11/19 15:24	
Method: AWWA	Batch ID: W9A1679	Instr: _ANALYST	Prepared: 01/30/19 12:31			Analyst: jea	
Aggressive Index	11.6		N/A	N/A	1	01/30/19 12:51	
Method: EPA 140.1	Batch ID: W9A0094	Instr: WB05	Prepared: 01/02/19 18:36			Analyst: sar	
Threshold Odor Number	1.0		1.0	T.O.N.	1	01/02/19 19:48	
Method: EPA 1613B	Batch ID: W9A0200	Instr: GCMS15	Prepared: 01/04/19 09:40			Analyst: EFC	
2,3,7,8-TCDD (Dioxin)	ND		5.00	pg/l	1	01/18/19 17:05	
Method: EPA 180.1	Batch ID: W9A0162	Instr: TURB01	Prepared: 01/03/19 13:47			Analyst: anb	
Turbidity	ND		0.10	NTU	1	01/03/19 14:31	
Method: EPA 200.7	Batch ID: W9A0504	Instr: ICP03	Prepared: 01/09/19 13:54			Analyst: mtt	
Boron, Total	97		10	ug/l	1	01/11/19 15:24	
Calcium, Total	22.6		0.100	mg/l	1	01/11/19 15:24	
Iron, Total	ND		10	ug/l	1	01/11/19 15:24	
Magnesium, Total	11.8		0.100	mg/l	1	01/11/19 15:24	
Potassium, Total	3.4		0.10	mg/l	1	01/11/19 15:24	
Sodium, Total	56		0.50	mg/l	1	01/11/19 15:24	
Method: EPA 200.8	Batch ID: W9A0129	Instr: ICPMS05	Prepared: 01/03/19 10:02			Analyst: jea	
Aluminum, Total	28		5.0	ug/l	1	01/16/19 13:46	
Antimony, Total	ND		0.50	ug/l	1	01/16/19 13:46	

9A02106

Page 1 of 6



# Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

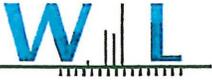
## Sample Results

(Continued)

Sample: 3076- Sandhill Treated 3610041-076  
9A02106-01 (Water)

Sampled: 01/02/19 10:00 by Eric Tarango  
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
<b>Method: EPA 200.8 (Continued)</b>	<b>Batch ID: W9A0129</b>	<b>Instr: ICPMS05</b>	<b>Prepared: 01/03/19 10:02</b>	<b>Analyst: jea</b>			
Arsenic, Total	0.84		0.40	ug/l	1	01/07/19 17:03	
Barium, Total	27		0.50	ug/l	1	01/16/19 13:46	
Beryllium, Total	ND		0.10	ug/l	1	01/16/19 13:46	
Cadmium, Total	ND		0.10	ug/l	1	01/16/19 13:46	
Chromium, Total	ND		0.20	ug/l	1	01/07/19 17:03	
Copper, Total	0.94		0.50	ug/l	1	01/16/19 13:46	
Lead, Total	ND		0.20	ug/l	1	01/16/19 13:46	
Manganese, Total	ND		0.20	ug/l	1	01/16/19 13:46	
Nickel, Total	0.87		0.80	ug/l	1	01/16/19 13:46	
Selenium, Total	0.40		0.40	ug/l	1	01/07/19 17:03	
Silver, Total	ND		0.20	ug/l	1	01/16/19 13:46	
Thallium, Total	ND		0.20	ug/l	1	01/16/19 13:46	
Zinc, Total	ND		5.0	ug/l	1	01/16/19 13:46	
<b>Method: EPA 245.1</b>	<b>Batch ID: W9A0154</b>	<b>Instr: HG03</b>	<b>Prepared: 01/03/19 12:56</b>	<b>Analyst: gza</b>			
Mercury, Total	ND		0.050	ug/l	1	01/09/19 11:56	
<b>Method: EPA 300.0</b>	<b>Batch ID: W9A0187</b>	<b>Instr: LC12</b>	<b>Prepared: 01/04/19 08:02</b>	<b>Analyst: jan</b>			
Chloride, Total	94		0.50	mg/l	1	01/04/19 11:00	
Fluoride, Total	ND		0.10	mg/l	1	01/04/19 11:00	
Sulfate as SO4	26		0.50	mg/l	1	01/04/19 11:00	
<b>Method: EPA 314.0</b>	<b>Batch ID: W9A0113</b>	<b>Instr: LC08_Chan</b>	<b>Prepared: 01/03/19 08:44</b>	<b>Analyst: jan</b>			
Perchlorate	ND	0.95	2.0	ug/l	1	01/04/19 10:12	
<b>Method: EPA 335.4</b>	<b>Batch ID: W9A0143</b>	<b>Instr: AA01</b>	<b>Prepared: 01/03/19 10:54</b>	<b>Analyst: HET</b>			
Cyanide, Total	ND		5.0	ug/l	1	01/07/19 12:13	
<b>Method: EPA 353.2</b>	<b>Batch ID: W9A0081</b>	<b>Instr: AA01</b>	<b>Prepared: 01/02/19 16:54</b>	<b>Analyst: het</b>			
Nitrate as N	0.27		0.20	mg/l	1	01/03/19 17:03	
Nitrite as N	ND		100	ug/l	1	01/03/19 17:03	
NO2+NO3 as N	270		200	ug/l	1	01/03/19 17:03	
<b>Method: EPA 504.1</b>	<b>Batch ID: W9A0193</b>	<b>Instr: GC03</b>	<b>Prepared: 01/04/19 10:15</b>	<b>Analyst: ars</b>			
1,2-Dibromo-3-chloropropane	ND		0.010	ug/l	1	01/04/19 18:43	
1,2-Dibromoethane (EDB)	ND		0.020	ug/l	1	01/04/19 18:43	
<b>Method: EPA 508</b>	<b>Batch ID: W9A0195</b>	<b>Instr: GC07</b>	<b>Prepared: 01/04/19 09:03</b>	<b>Analyst: adm</b>			
4,4'-DDD	ND		0.010	ug/l	1	01/15/19 01:14	
4,4'-DDE	ND		0.010	ug/l	1	01/15/19 01:14	
4,4'-DDT	ND		0.010	ug/l	1	01/15/19 01:14	
Aldrin	ND		0.010	ug/l	1	01/15/19 01:14	
alpha-BHC	ND		0.010	ug/l	1	01/15/19 01:14	
Aroclor 1016	ND		0.10	ug/l	1	01/15/19 01:14	
Aroclor 1221	ND		0.10	ug/l	1	01/15/19 01:14	
Aroclor 1232	ND		0.10	ug/l	1	01/15/19 01:14	
Aroclor 1242	ND		0.10	ug/l	1	01/15/19 01:14	



# Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

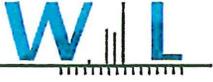
## Sample Results

(Continued)

Sample: 3076- Sandhill Treated 3610041-076  
9A02106-01 (Water)

Sampled: 01/02/19 10:00 by Eric Tarango  
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
<b>Method:</b> EPA 508 (Continued)							
<b>Batch ID:</b> W9A0195							
<b>Instr:</b> GC07							
<b>Prepared:</b> 01/04/19 09:03							
<b>Analyst:</b> adm							
Aroclor 1248	ND		0.10	ug/l	1	01/15/19 01:14	
Aroclor 1254	ND		0.10	ug/l	1	01/15/19 01:14	
Aroclor 1260	ND		0.10	ug/l	1	01/15/19 01:14	
beta-BHC	ND		0.010	ug/l	1	01/15/19 01:14	
Chlordane (tech)	ND		0.10	ug/l	1	01/15/19 01:14	
Chlorothalonil	ND		0.050	ug/l	1	01/15/19 01:14	
delta-BHC	ND		0.010	ug/l	1	01/15/19 01:14	
Dieldrin	ND		0.010	ug/l	1	01/15/19 01:14	
Endosulfan I	ND		0.010	ug/l	1	01/15/19 01:14	
Endosulfan II	ND		0.010	ug/l	1	01/15/19 01:14	
Endosulfan sulfate	ND		0.010	ug/l	1	01/15/19 01:14	
Endrin	ND		0.010	ug/l	1	01/15/19 01:14	
Endrin aldehyde	ND		0.010	ug/l	1	01/15/19 01:14	
gamma-BHC (Lindane)	ND		0.010	ug/l	1	01/15/19 01:14	
Heptachlor	ND		0.010	ug/l	1	01/15/19 01:14	
Heptachlor epoxide	ND		0.010	ug/l	1	01/15/19 01:14	
Hexachlorobenzene	ND		0.050	ug/l	1	01/15/19 01:14	
Hexachlorocyclopentadiene	ND		0.050	ug/l	1	01/15/19 01:14	
Methoxychlor	ND		0.010	ug/l	1	01/15/19 01:14	
PCBs, Total	ND		0.50	ug/l	1	01/15/19 01:14	
Propachlor	ND		0.050	ug/l	1	01/15/19 01:14	
Toxaphene	ND		1.0	ug/l	1	01/15/19 01:14	
Trifluralin	ND		0.010	ug/l	1	01/15/19 01:14	
<i>Surrogate(s)</i>							
Decachlorobiphenyl	98%		70-130	Conc: 0.0977		01/15/19 01:14	
Tetrachloro-meta-xylene	95%		70-130	Conc: 0.0952		01/15/19 01:14	
<b>Method:</b> EPA 515.3							
<b>Batch ID:</b> W9A0266							
<b>Instr:</b> GC08							
<b>Prepared:</b> 01/07/19 09:43							
<b>Analyst:</b> ars							
2,4,5-T	ND		0.20	ug/l	1	01/15/19 22:26	
2,4,5-TP (Silvex)	ND		0.20	ug/l	1	01/15/19 22:26	
2,4-D	ND		0.40	ug/l	1	01/15/19 22:26	
2,4-DB	ND		2.0	ug/l	1	01/15/19 22:26	
3,5-Dichlorobenzoic acid	ND		1.0	ug/l	1	01/15/19 22:26	
Acifluorfen	ND		0.40	ug/l	1	01/15/19 22:26	
Bentazon	ND		2.0	ug/l	1	01/15/19 22:26	
Dalapon	ND		0.40	ug/l	1	01/15/19 22:26	
DCPA	ND		0.10	ug/l	1	01/15/19 22:26	
Dicamba	ND		0.60	ug/l	1	01/15/19 22:26	
Dichloroprop	ND		0.30	ug/l	1	01/15/19 22:26	
Dinoseb	ND		0.40	ug/l	1	01/15/19 22:26	
Pentachlorophenol	ND		0.20	ug/l	1	01/15/19 22:26	



# Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

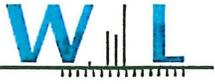
(Continued)

## Sample Results

Sample: 3076- Sandhill Treated 3610041-076  
9A02106-01 (Water)

Sampled: 01/02/19 10:00 by Eric Tarango  
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 515.3 (Continued)	Batch ID: W9A0266	Instr: GC08	Prepared: 01/07/19 09:43	Analyst: ars			
Picloram	ND		0.60	ug/l	1	01/15/19 22:26	
Surrogate(s):							
2,4-DCAA	113%		70-130	Conc: 11.3		01/15/19 22:26	
Method: EPA 524.2	Batch ID: W9A0597	Instr: GCMS14	Prepared: 01/10/19 12:00	Analyst: enf			
1,1,1,2-Tetrachloroethane	ND	0.10	0.50	ug/l	1	01/10/19 23:19	
1,1,1-Trichloroethane	ND	0.11	0.50	ug/l	1	01/10/19 23:19	
1,1,2,2-Tetrachloroethane	ND	0.20	0.50	ug/l	1	01/10/19 23:19	
1,1,2-Trichloroethane	ND	0.19	0.50	ug/l	1	01/10/19 23:19	
1,1-Dichloroethane	ND	0.12	0.50	ug/l	1	01/10/19 23:19	
1,1-Dichloroethene	ND	0.16	0.50	ug/l	1	01/10/19 23:19	
1,1-Dichloropropene	ND	0.14	0.50	ug/l	1	01/10/19 23:19	
1,2,3-Trichlorobenzene	ND	0.19	0.50	ug/l	1	01/10/19 23:19	
1,2,4-Trichlorobenzene	ND	0.17	0.50	ug/l	1	01/10/19 23:19	
1,2,4-Trimethylbenzene	ND	0.20	0.50	ug/l	1	01/10/19 23:19	
1,2-Dichloroethane	ND	0.12	0.50	ug/l	1	01/10/19 23:19	
1,2-Dichloropropane	ND	0.13	0.50	ug/l	1	01/10/19 23:19	
1,3,5-Trimethylbenzene	ND	0.17	0.50	ug/l	1	01/10/19 23:19	
1,3-Dichloropropane	ND	0.11	0.50	ug/l	1	01/10/19 23:19	
1,3-Dichloropropene, Total	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
2,2-Dichloropropane	ND	0.17	0.50	ug/l	1	01/10/19 23:19	
2-Butanone	ND	0.72	5.0	ug/l	1	01/10/19 23:19	
2-Chloroethyl vinyl ether	ND	0.61	1.0	ug/l	1	01/10/19 23:19	
2-Chlorotoluene	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
2-Hexanone	ND	1.2	5.0	ug/l	1	01/10/19 23:19	
4-Chlorotoluene	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
4-Methyl-2-pentanone	ND	0.56	5.0	ug/l	1	01/10/19 23:19	
Benzene	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
Bromobenzene	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
Bromochloromethane	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
Bromodichloromethane	8.4	0.090	0.50	ug/l	1	01/10/19 23:19	
Bromoform	7.0	0.19	0.50	ug/l	1	01/10/19 23:19	
Bromomethane	ND	0.49	0.50	ug/l	1	01/10/19 23:19	
Carbon tetrachloride	0.32	0.12	0.50	ug/l	1	01/10/19 23:19	
Chlorobenzene	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
Chloroethane	ND	0.17	0.50	ug/l	1	01/10/19 23:19	
Chloroform	3.1	0.12	0.50	ug/l	1	01/10/19 23:19	
Chloromethane	ND	0.11	0.50	ug/l	1	01/10/19 23:19	
cis-1,2-Dichloroethene	ND	0.11	0.50	ug/l	1	01/10/19 23:19	
cis-1,3-Dichloropropene	ND	0.11	0.50	ug/l	1	01/10/19 23:19	
Dibromochloromethane	14	0.20	0.50	ug/l	1	01/10/19 23:19	



# Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

(Continued)

## Sample Results

Sample: 3076- Sandhill Treated 3610041-076  
9A02106-01 (Water)

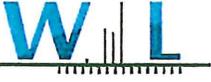
Sampled: 01/02/19 10:00 by Eric Tarango  
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 524.2 (Continued)	Batch ID: W9A0597	Instr: GCMS14	Prepared: 01/10/19 12:00	Analyst: enf			
Dibromomethane	ND	0.20	0.50	ug/l	1	01/10/19 23:19	
Dichlorodifluoromethane (Freon 12)	ND	0.12	0.50	ug/l	1	01/10/19 23:19	
Di-isopropyl ether	ND	0.80	2.0	ug/l	1	01/10/19 23:19	
Ethyl tert-butyl ether	ND	0.40	2.0	ug/l	1	01/10/19 23:19	
Ethylbenzene	ND	0.21	0.50	ug/l	1	01/10/19 23:19	
Freon 113	ND	0.27	5.0	ug/l	1	01/10/19 23:19	
Hexachlorobutadiene	ND	0.40	0.50	ug/l	1	01/10/19 23:19	
Isopropylbenzene	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
m,p-Xylene	ND	0.33	0.50	ug/l	1	01/10/19 23:19	
m-Dichlorobenzene	ND	0.14	0.50	ug/l	1	01/10/19 23:19	
Methyl tert-butyl ether (MTBE)	ND	0.19	2.0	ug/l	1	01/10/19 23:19	
Methylene chloride	ND	0.14	0.50	ug/l	1	01/10/19 23:19	
Naphthalene	ND	0.42	0.50	ug/l	1	01/10/19 23:19	
n-Butylbenzene	ND	0.29	0.50	ug/l	1	01/10/19 23:19	
n-Propylbenzene	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
o-Dichlorobenzene	ND	0.19	0.50	ug/l	1	01/10/19 23:19	
o-Xylene	ND	0.20	0.50	ug/l	1	01/10/19 23:19	
p-Dichlorobenzene	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
p-Isopropyltoluene	ND	0.25	0.50	ug/l	1	01/10/19 23:19	
sec-Butylbenzene	ND	0.24	0.50	ug/l	1	01/10/19 23:19	
Styrene	ND	0.19	0.50	ug/l	1	01/10/19 23:19	
Tert-amyl methyl ether	ND	0.59	2.0	ug/l	1	01/10/19 23:19	
tert-Butylbenzene	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
Tetrachloroethene	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
THMs, Total	32	0.60	2.0	ug/l	1	01/10/19 23:19	
Toluene	ND	0.14	0.50	ug/l	1	01/10/19 23:19	
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/l	1	01/10/19 23:19	
trans-1,3-Dichloropropene	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
Trichloroethene	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
Trichlorofluoromethane	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
Vinyl chloride	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
Xylenes, Total	ND	0.33	1.0	ug/l	1	01/10/19 23:19	

Surrogates:

1,2-Dichlorobenzene-d4	101%	70-130	Conc: 10.1	01/10/19 23:19
4-Bromofluorobenzene	93%	70-130	Conc: 9.27	01/10/19 23:19

Method: EPA 525.2	Batch ID: W9A0540	Instr: GCMS16	Prepared: 01/10/19 10:30	Analyst: rmr	
Alachlor	ND	0.10	ug/l	1	01/23/19 19:32
Atrazine	ND	0.10	ug/l	1	01/23/19 19:32
Benzo (a) pyrene	ND	0.10	ug/l	1	01/23/19 19:32
Bis(2-ethylhexyl)adipate	ND	5.0	ug/l	1	01/23/19 19:32



# Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

## Sample Results

(Continued)

Sample: 3076- Sandhill Treated 3610041-076  
9A02106-01 (Water)

Sampled: 01/02/19 10:00 by Eric Tarango  
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 525.2 (Continued)							
Batch ID: W9A0540	Instr: GCMS16		Prepared: 01/10/19 10:30			Analyst: rmr	
Bis(2-ethylhexyl)phthalate	ND		3.0	ug/l	1	01/23/19 19:32	
Bromacil	ND		0.50	ug/l	1	01/23/19 19:32	
Butachlor	ND		0.10	ug/l	1	01/23/19 19:32	
Captan	ND		1.0	ug/l	1	01/23/19 19:32	
Chlorpropham	ND		0.10	ug/l	1	01/23/19 19:32	
Cyanazine	ND		0.10	ug/l	1	01/23/19 19:32	
Diazinon	ND		0.10	ug/l	1	01/23/19 19:32	
Dimethoate	ND		0.20	ug/l	1	01/23/19 19:32	
Diphenamid	ND		0.10	ug/l	1	01/23/19 19:32	
Disulfoton	ND		0.10	ug/l	1	01/23/19 19:32	
EPTC	ND		0.10	ug/l	1	01/23/19 19:32	
Metolachlor	ND		0.10	ug/l	1	01/23/19 19:32	
Metribuzin	ND		0.10	ug/l	1	01/23/19 19:32	
Molinate	ND		0.10	ug/l	1	01/23/19 19:32	
Prometon	ND		0.10	ug/l	1	01/23/19 19:32	
Prometryn	ND		0.10	ug/l	1	01/23/19 19:32	
Simazine	ND		0.10	ug/l	1	01/23/19 19:32	
Terbacil	ND		2.0	ug/l	1	01/23/19 19:32	
Thiobencarb	ND		0.10	ug/l	1	01/23/19 19:32	
Trithion	ND		0.10	ug/l	1	01/23/19 19:32	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	107%		70-130	Conc: 5.34		01/23/19 19:32	
Perylene-d12	86%		50-120	Conc: 4.32		01/23/19 19:32	
Triphenyl phosphate	95%		70-130	Conc: 4.77		01/23/19 19:32	
Method: EPA 531.1							
Batch ID: W9A0549	Instr: LC10		Prepared: 01/10/19 10:19			Analyst: pjs	
3-Hydroxycarbofuran	ND		2.0	ug/l	1	01/11/19 02:48	
Aldicarb	ND		2.0	ug/l	1	01/11/19 02:48	
Aldicarb sulfone	ND		2.0	ug/l	1	01/11/19 02:48	
Aldicarb sulfoxide	ND		2.0	ug/l	1	01/11/19 02:48	
Carbaryl	ND		2.0	ug/l	1	01/11/19 02:48	
Carbofuran	ND		2.0	ug/l	1	01/11/19 02:48	
Methiocarb	ND		2.0	ug/l	1	01/11/19 02:48	
Methomyl	ND		2.0	ug/l	1	01/11/19 02:48	
Oxamyl	ND		2.0	ug/l	1	01/11/19 02:48	
Propoxur (Baygon)	ND		2.0	ug/l	1	01/11/19 02:48	
Method: EPA 547							
Batch ID: W9A0476	Instr: LC10		Prepared: 01/09/19 10:49			Analyst: pjs	
Glyphosate	ND		5.0	ug/l	1	01/09/19 20:02	
Method: EPA 548.1							
Batch ID: W9A0348	Instr: GCMS06		Prepared: 01/08/19 11:54			Analyst: rmr	
Endothall	ND		45	ug/l	1	01/11/19 10:01	
Method: EPA 549.2							
Batch ID: W9A0349	Instr: LC11		Prepared: 01/09/19 08:56			Analyst: pjs	



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FINAL REPORT

WECK LABORATORIES, INC.

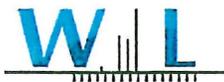
## Sample Results

(Continued)

Sample: 3076- Sandhill Treated 3610041-076  
9A02106-01 (Water)

Sampled: 01/02/19 10:00 by Eric Tarango  
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 549.2 (Continued) Diquat	Batch ID: W9A0349 Instr: LC11 ND		Prepared: 01/09/19 08:56 4.0	ug/l	1	Analyst: pjs 01/10/19 18:40	
Method: SM 2120B Color	Batch ID: W9A0158 Instr: _ANALYST ND		Prepared: 01/03/19 13:34 3.0	Color Units	1	Analyst: aem 01/03/19 13:44	
Method: SM 2320B Alkalinity as CaCO3	Batch ID: W9A0327 Instr: PH01 83		Prepared: 01/07/19 18:41 2.0	mg/l	1	Analyst: anb 01/09/19 13:15	
Bicarbonate Alkalinity as HCO3	94		2.0	mg/l	1	01/09/19 13:15	
Carbonate Alkalinity as CaCO3	6.2		2.0	mg/l	1	01/09/19 13:15	
Hydroxide Alkalinity as CaCO3	ND		2.0	mg/l	1	01/09/19 13:15	
Method: SM 2330B Langelier Index @ 60 C	Batch ID: W9A1565 Instr: _ANALYST 0.255		Prepared: 01/29/19 09:18 -10.0	N/A	1	Analyst: rrl 01/29/19 10:17	
Langelier Index @ Source Temp	-0.337		-10.0	N/A	1	01/29/19 10:17	
Method: SM 2510B Specific Conductance (EC)	Batch ID: W9A0209 Instr: PH01 430		Prepared: 01/04/19 11:13 2.0	umhos/cm	1	Analyst: anb 01/04/19 13:33	
Method: SM 2540C Total Dissolved Solids	Batch ID: W9A0131 Instr: OVEN01 320		Prepared: 01/03/19 10:08 10	mg/l	1	Analyst: nll 01/04/19 15:35	
Method: SM 4500H+-B pH	Batch ID: W9A0122 Instr: AA02 7.89		Prepared: 01/03/19 09:05 0.10	Units	1	Analyst: anb 01/03/19 10:25	
Method: SM 5540C MBAS	Batch ID: W9A0167 Instr: UVVIS04 ND		Prepared: 01/03/19 14:36 0.050	mg/l	1	Analyst: nll 01/03/19 19:45	
Method: SM 7110C Gross Alpha	Batch ID: W9A0276 Instr: RAD02 1.00		Prepared: 01/07/19 10:35 pCi/L		1	Analyst: sap 01/08/19 10:38	
Uncertainty: 0.121	MDA: 0.033						
Method: SRL 524M-TCP 1,2,3-Trichloropropane	Batch ID: W9A0109 Instr: GCMS04 ND		Prepared: 01/03/19 08:01 0.0050	ug/l	1	Analyst: enf 01/03/19 21:43	



# Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

## Notes and Definitions

Item	Definition
	The recommended holding time for this analysis is only 15 minutes. The sample was analyzed as soon as it was possible but it was received and analyzed past holding time.
MS-03	Multiple analyses indicate the percent recovery is out of acceptance limits due to a possible matrix effect.
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
Q-ME	Acceptable QC with marginal exceedance
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.  
 An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)  
 All results are expressed on wet weight basis unless otherwise specified.  
 All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.

## Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	By ANAB
AWWA in Water Aggressive Index		✓	
SRL 524M-TCP in Water 1,2,3-Trichloropropane	96-18-4	✓	

Reviewed by:

Valerie Rejuso  
Project Manager



ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • ISO 17025 #L2457.01 • LACSD #10143 • NELAP-CA #04229CA •  
 NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.



June 7, 2019

Chino Basin Watermaster  
Attention: Mr. Peter Kavounas, General Manager  
9641 San Bernardino Road  
Rancho Cucamonga, CA 91730

**Subject: Analysis of Material Physical Injury for the Fontana Water Company (FWC) Recharge Application, as submitted to the Chino Basin Watermaster on June 5, 2019 (hereafter June 5, 2019 recharge application for the vineyard)**

Dear Mr. Kavounas,

Pursuant to your direction, Wildermuth Environmental, Inc. (WEI) conducted a material physical injury (MPI) analysis of the FWC's June 5, 2019 recharge application for the vineyard. This MPI analysis has been done pursuant to the Watermaster Rules and Regulations and the Peace Agreement. Specifically, Article 10 of Watermaster Rules and Regulations (paragraph 10.10) requires that:

“[...] Watermaster prepare a written summary and analysis (which will include an analysis of the potential for material physical injury) of the Application and provide the Parties with a copy of the written summary and advanced notice of the date of Watermaster's scheduled consideration and possible action on any pending Applications.”

Per the Peace Agreement (page 8), material physical injury is defined as:

“[...] material injury that is attributable to Recharge, Transfer, storage and recovery, management, movement or Production of water or implementation of the OBMP, including, but not limited to, degradation of water quality, liquefaction, land subsidence, increases in pump lift and adverse impacts associated with rising groundwater”

The MPI analysis presented herein is based on our professional experience and judgment in the Chino Basin, including the collection and analysis of monitoring data, past evaluation of Chino Basin storage programs, groundwater modeling of various groundwater management alternatives in the Chino Basin, and prior MPI analyses.

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### **FWC's June 5, 2019 recharge application for the vineyard**

The FWC proposes to recharge up to 100 acre-feet (af) of Lytle Creek water at a working vineyard located south of Beech Avenue and east of Cherry Avenue, east of the San Sevaine basins (the vineyard) during the period of September 2019 through September 2020. Figure 1 shows the location of the vineyard and surrounding wells with available groundwater level or water quality data. The recharge water would be treated to potable standards and diverted into the vineyard from the FWC distribution system. Note that FWC submitted, and Watermaster approved, a similar application in October 2018 to recharge up to 100 af of Lytle Creek water into the vineyard during the period of January 2019 through September 2019. As of June 6, 2019, FWC has not recharged any water in the Vulcan Basin as part of their July 2017 and 2018 recharge applications.

The scope of this analysis is to determine if the proposed recharge event of up to 100 af of Lytle Creek water by the FWC, as proposed in its June 5, 2019 recharge application for the vineyard, has the potential to cause MPI.

### **Groundwater Level Impacts (liquefaction, land subsidence, and increases in pump lift)**

The proposed recharge event will produce a localized increase in groundwater levels in the vicinity of the vineyard where the recharge occurs, followed by a return to the groundwater levels that would occur had the water not been recharged. The current depth to groundwater beneath the vineyard is presently about 640 feet below ground surface (bgs); groundwater-level data at IEUA's San Sevaine 1-1 monitoring well, located southeast of the vineyard, suggests that there is perched groundwater near the vineyard with at a depth to groundwater of about 235 feet bgs. There will be no adverse liquefaction or land subsidence impacts from the groundwater level changes caused by the recharge and storage proposed by the FWC.

### **Balance of Recharge and Discharge in Every Area and Subarea**

Per the June 5, 2019 recharge application for the vineyard, FWC intends to use the proposed recharge water to partially offset its overproduction in MZ3. The vineyard is located in MZ2. Figures 2-2c and 3-2d from the 2018 Recharge Master Plan Update<sup>1</sup> (WEI, 2018) show the estimated change in groundwater levels for the period 2000 through 2017 and the projected change in groundwater levels from 2017 through 2050, respectively. Review of these maps indicate that for the period 2000 through 2050, groundwater levels are projected to decline more in the northern part of MZ2 than the northern part of MZ3. The proposed recharge will contribute to improving the balance of recharge and discharge in MZ2.

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<sup>1</sup> [http://www.cbwm.org/docs/engdocs/2018%20RMPU/20180914\\_2018\\_RMPU\\_final.pdf](http://www.cbwm.org/docs/engdocs/2018%20RMPU/20180914_2018_RMPU_final.pdf)

### **Total Dissolved Solids and Nitrate Concentration of the Recharge Water**

The Regional Water Quality Control Plan (Basin Plan) for the Santa Ana River Watershed has total dissolved solids (TDS) and nitrate (expressed as nitrogen) concentration objectives in the Chino-North Groundwater Management Zone (GMZ) of 420 milligrams per liter (mg/L) and 5 mg/L, respectively. The proposed recharge event will occur in the Chino-North GMZ. Pursuant to the Basin Plan, Watermaster and the IEUA are required to manage recharge in spreading basins in the Chino Basin such that the five-year, volume-weighted average TDS and nitrate concentration of the recycled water, imported water, supplemental native water, and new stormwater recharged across all recharge basins will not exceed the Basin Plan objectives. We reviewed historical water quality data for Lytle Creek including recent data provided by the FWC in their June 5, 2019 recharge application for the vineyard. This characterization indicates that the TDS and nitrate concentrations of the water proposed to be recharged are generally less than 320 mg/L and 1 mg/L, respectively. The current ambient TDS and nitrate concentrations in the Chino-North GMZ are 360 mg/L and 10.3 mg/L, respectively, and therefore the proposed recharge event will not encroach on the current assimilative capacity or interfere with Watermaster and the IEUA's regulatory obligations. In fact, the proposed recharge event will be helpful in complying with Watermaster and the IEUA's maximum benefit commitment in the Basin Plan. There will be no adverse TDS or nitrate concentration impacts caused by the proposed recharge event.

### **Water Quality Impacts on Other Pumpers**

The water quality of the proposed recharge water is comparable to State Water Project water, and the proposed recharge event will improve the general water quality in MZ2 and the Basin. The proposed recharge will not change the direction and/or speed of movement of known contaminant plumes. Water quality data in the surrounding wells were reviewed to determine if there were regulated agricultural chemicals that would be associated with vineyard operations as an indicator of what contaminants (e.g., 1,2-dibromo-3-chloropropane, a fumigant known to be used in vineyards prior to the 1980s) could be stored in the vadose zone and potentially leached out during the proposed recharge activity. No contaminants were found. There will be no adverse water quality impacts caused by the proposed recharge event based on the available water quality data.

### **Conclusion and Recommendations**

There will be no MPI due to the FWC-proposed recharge event as described in their June 5, 2019 recharge application for the vineyard.

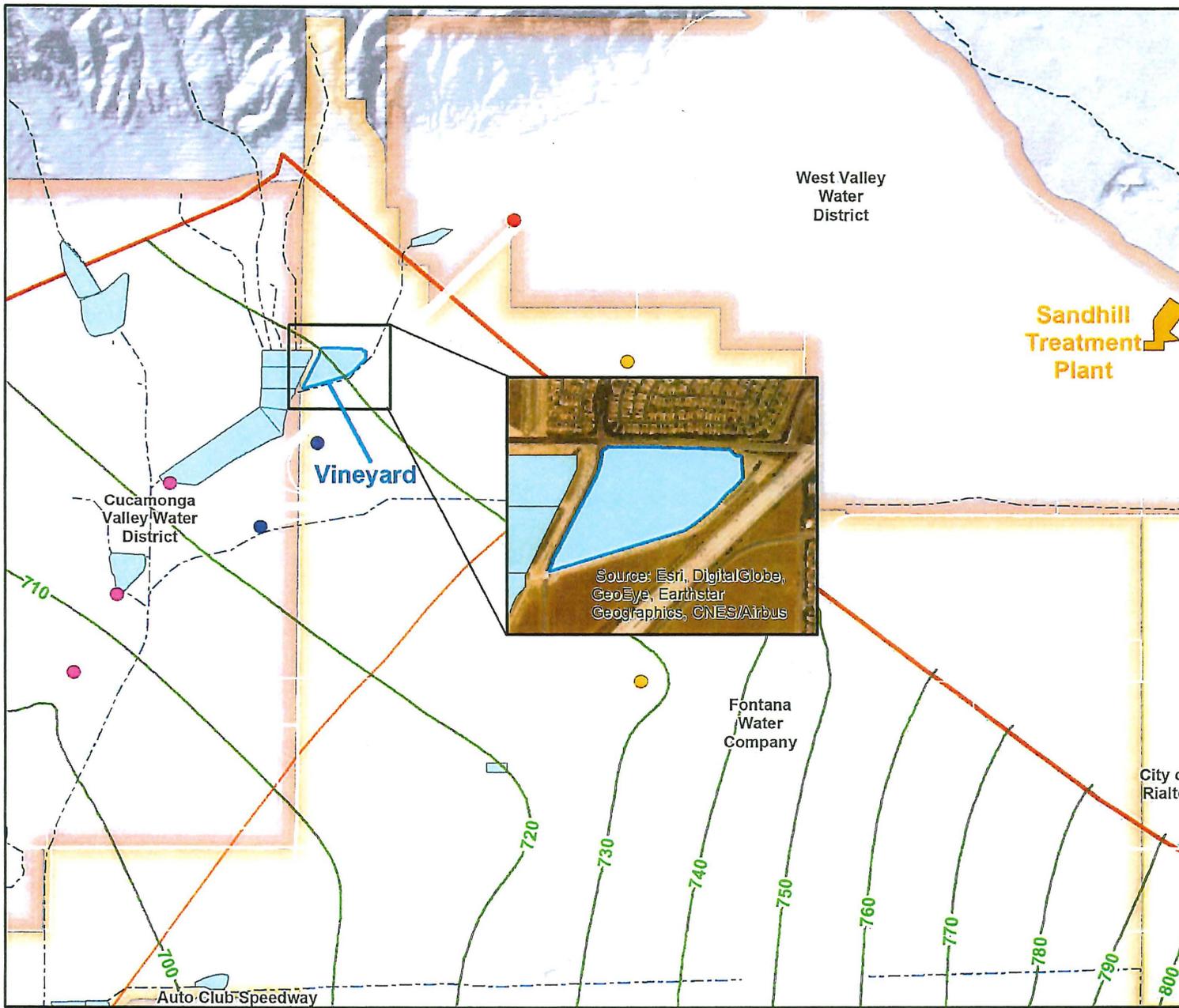
Please call us if you have any questions or concerns regarding this MPI analysis.

Very truly yours,

**Wildermuth Environmental, Inc.**

A handwritten signature in cursive script that reads "Carolina Sanchez".

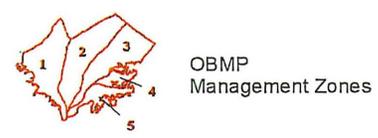
Carolina Sanchez, PE  
*Principal Engineer*



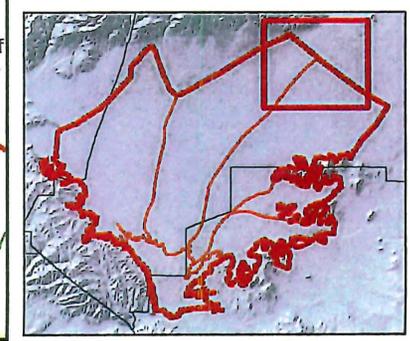
**Wells with Groundwater Level and Water Quality Data Near the Proposed Recharge Location**

- Fontana Water Company
- West Valley Water District
- Inland Empire Utilities Agency
- Private Well

**Groundwater-Elevation Contours for July 2017**  
 (feet above mean sea level)  
*Contours represent groundwater elevations based on a model projection for July 2017.*



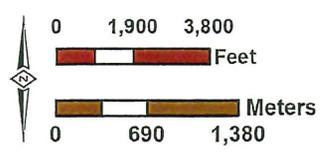
- Streams & Flood Control Channels
- Flood Control & Conservation Basins
- Water Service Areas



Prepared by:



Author: CS  
 Date: 10/29/2018  
 Name: 20181030\_FWC\_MPI\_Figure\_1



MPI Analysis of Fontana Water Company's  
 October 23, 2018 Recharge Application

**Proximate Area to Fontana Water Company's Proposed Recharge Project**

Figure 1

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# **CHINO BASIN WATERMASTER**

## **I. CONSENT CALENDAR**

**D. APPLICATION FOR RECHARGE – FONTANA WATER COMPANY (VULCAN)**



# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 25, 2019  
TO: Board Members  
SUBJECT: Application for Recharge - Fontana Water Company (Vulcan) (Consent Item I.D.)

### SUMMARY

Issue: On June 5, 2019, Fontana Water Company submitted an Application for Recharge for up to 300,000 acre-feet to be recharged into the Vulcan Basin.

Recommendation: Approve Fontana Water Company's Application for Recharge and direct Watermaster staff to account for this supplemental water recharged in Fontana Water Company's existing Local Supplemental Storage account.

Financial Impact: None

### Future Consideration

Watermaster Board – July 25, 2019: Approval [Within WM Duties and Powers]

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### ACTIONS:

**Agricultural Pool – June 12, 2019:** Unanimously recommended Advisory Committee to recommend to the Watermaster Board to approve.

**Appropriative Pool – June 13, 2019:** Unanimously recommended Advisory Committee to recommend to the Watermaster Board to approve subject to changes which they deem appropriate.

**Non-Agricultural Pool – June 13, 2019:** Unanimously recommended Advisory Committee to recommend to the Watermaster Board to approve.

**Advisory Committee – July 18, 2019:** Unanimously recommended to the Watermaster Board to approve.

**Watermaster Board – July 25, 2019:**

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

## BACKGROUND

The Court approved the Peace Agreement, the OBMP Implementation Plan and the goals and objectives identified in the OBMP Phase I Report on July 13, 2000 and ordered Watermaster to proceed in a manner consistent with the Peace Agreement. Under the Peace Agreement, Watermaster approval is required for Applications to store, recapture, recharge or transfer water, as well as for Applications for credits or reimbursements and storage and recovery programs.

Where there is no Material Physical Injury, Watermaster must approve the application. Where the request for Watermaster approval is submitted by a Party to the Judgment, there is a rebuttable presumption that most of the proposed activities do not result in Material Physical Injury to a Party to the Judgment or the Basin (Storage and Recovery Programs do not have this presumption).

## DISCUSSION

On June 5, 2019, Fontana Water Company (FWC) submitted an Application for Recharge for up to 300 acre-feet, valid from September 1, 2019 and expiring September 1, 2020. The Application states that the method of recharge is percolation into the Vulcan basin (Attachment 1). The Application identifies the source of water to be treated Lytle Creek Surface Water, meaning, water from the Lytle creek water will be treated to potable standards at FWC's treatment plant and delivered through their distribution system. Attached to the Application is a Certificate of Analysis for the water quality (Attachment 2).

If approved, FWC intends to recharge the water in to the Vulcan Basin as a test project to monitor and determine percolation rates of an existing basin not currently being utilized to recharge supplemental water within the Chino Basin. This recharge, consistent with that of other Parties that have submitted Applications for Recharge and that have Local Storage Agreements, will be placed in its Local Supplemental Storage account and will be tracked by Watermaster. Per the Peace II Agreement, losses will be applied to all water placed into a Local Supplemental Storage Account in a manner consistent with all other water held in storage. The total volume held in local storage accounts is pending a future determination, and the recommendation as written is intended to be consistent with prior recharge and storage application recommendations.

FWC intends to use the captured water to offset its overproduction within the current fiscal year. The amount recharged will be subject to evaporative losses. Wildermuth Environmental, Inc. (WEI) performed a Material Physical Injury analysis of the Application for Recharge. WEI prepared a letter, dated July 7, 2019, which states that there will be no Material Physical Injury from the proposed Application for the recharge of treated Lytle Creek Surface Water (Attachment 3). The letter states that Watermaster should require the Fontana Water Company to keep the recharge confined to a previously established one-acre area within the Vulcan Basin. FWC will also need to monitor the amount of water discharged to the Vulcan Basin, as well as sample and analyze the water quality at the point of delivery to the Vulcan Basin. These data should be provided to Watermaster as they are required for Watermaster accounting, regulatory reporting, and other groundwater management purposes.

There is no financial impact to Watermaster associated with the approval of FWC's Recharge Application.

On June 12, 2019 the Agricultural Pool unanimously recommended Advisory Committee approval. On June 13, 2019 the Appropriative and Non-Agricultural Pool unanimously recommended Advisory Committee approval. On July 18, 2019 the Advisory Committee unanimously recommended Board approval.

## ATTACHMENTS

1. Fontana Water Company Recharge Application (Vulcan) Dated June 5, 2019
2. Weck Laboratories, Inc Certificate of Analysis, Title 22 Monitoring Report

3. June 7, 2019 letter from WEI to Watermaster: "Analysis of Material Physical Injury for the Fontana Water Company (FWC) Recharge Application, Submitted to the Chino Basin Watermaster on June 5, 2019 (hereafter June 5, 2019 recharge application for Vulcan Basin)"

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# FONTANA WATER COMPANY

A DIVISION OF SAN GABRIEL VALLEY WATER COMPANY

15966 ARROW ROUTE • P.O. BOX 987, FONTANA, CALIFORNIA 92334 • (909) 822-2201

June 5, 2019

Mr. Peter Kavounas  
General Manager  
Chino Basin Watermaster  
9641 San Bernardino Road  
Rancho Cucamonga, California 91730

Subject: Fiscal Year 2019/2020 Recharge Application - Fontana Water Company

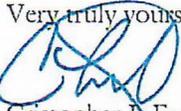
Dear Mr. Kavounas:

Enclosed herewith is Fontana Water Company's Application for Recharge dated June 5, 2019.

In order to provide Fontana Water Company with the most flexibility to utilize its water supply assets, we respectfully request Watermaster to recharge supplemental water treated at Fontana Water Company's Sandhill Surface Water Treatment Plant (Sandhill) and delivered into the Chino Basin. The quantity of water recharged by Fontana Water Company may include up to 300 acre feet. This application to recharge water into the Vulcan Basin is intended to offset a portion of Fontana Water Company's over-production during the 2019-2020 fiscal year.

The supplemental water that Fontana Water Company is requesting to be recharged is currently treated at Fontana Water Company's Sandhill Treatment Plant. The water will be delivered through the company's distribution system to the recharge facility. The supplemental water is treated to potable standards and is not anticipated to pose any adverse impacts to existing water quality.

Please acknowledge receipt of this letter and enclosure by signing the enclosed copy. If you have any question or need additional information please contact me at (909) 201-7338.

Very truly yours,  
  
Christopher J. Fealy, P.E.  
Water Resources Manager

CIF:bf  
Enclosure  
ACKNOWLEDGEMENT  
Receipt of this letter and enclosure  
is hereby acknowledged.

CHINO BASIN WATERMASTER

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

COPY

# FONTANA WATER COMPANY

A DIVISION OF SAN GABRIEL VALLEY WATER COMPANY

15966 ARROW ROUTE • P.O. BOX 987, FONTANA, CALIFORNIA 92334 • (909) 822-2201

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General Manager  
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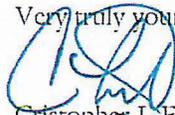
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Very truly yours,



Christopher I. Fealy, P.E.  
Water Resources Manager

CIF:bf

Enclosure

ACKNOWLEDGEMENT

Receipt of this letter and enclosure  
is hereby acknowledged.

CHINO BASIN WATERMASTER

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

## Form 2a - Application for Supplemental Water Recharge

Applicant Information and Recharge Request			
Person	Fontana Water Company (FWC)	Date Requested	6/5/19
Contact (individual)	Cris Fealy	Date Approved	
Street Address	15966 Arrow Route	Proposed Period of Time Covered by Recharge Application (mm/yyyy to mm/yyyy)	09/2019 to 09/2020
City	Fontana Water Comapny		
State	CA		
Zip Code	92335	Requested Total Amount of Recharge Over the Application Period (AF)	up to 300
Telephone	909-822-2201	Approved Total Amount of Recharge Over the Application Period (AF)	
Fax	909-823-5046		
Email	cifealy@fontanawater.com		

Source(s) of Supply (check box and provide supporting information)	
<input type="checkbox"/>	State Water Project
<input type="checkbox"/>	Colorado River Aqueduct
<input checked="" type="checkbox"/>	Local Supplemental (identify source and attach source water quality characterization including TDS and TN; use as many sheets as necessary) <span style="float: right;">Treated Lytle Creek Water from Sandhill Treatment Plant (F14)</span>
<input type="checkbox"/>	Recycled Water (identify source and attach source water quality characterization including TDS and TN; use as many sheets as necessary)
<input type="checkbox"/>	Other (identify source and attach source water quality characterization including TDS and TN; use as many sheets as necessary)

Method of Recharge (check box and provide supporting information)	
<input checked="" type="checkbox"/>	Surface Spreading
	Recharge Basin Name(s) <span style="float: right;">Vulcan Basin</span>
	Expected Period of Recharge (mm/dd to mm/dd) <span style="float: right;">Varies</span>
	Depth to Water in Recharge Area (ft-bgs) <span style="float: right;">Unknown</span>
	Water Quality in Recharge Area (attach characterization) <span style="float: right;">Treated to Potable Standards.</span>
<input type="checkbox"/>	Injection
	Well Names and Locations (attach well completion report if not on file with the Watermaster)
	Expected Period of Recharge (mm/dd to mm/dd)
	Depth to Water in Recharge Area (ft-bgs)
	Water Quality in Recharge Area (attach characterization)
<input type="checkbox"/>	In-Lieu Exchange
	Treatment Plant and Turnout
	Share of Safe Yield (percent and AFY)
	Carryover Right, if Applicable (AF)
	Water in Storage (AF)
	Pumping Capacity (mgd or AFM)
	Expected Period of Recharge (mm/dd to mm/dd)
	Depth to Water in Area Impacted by In-Lieu Recharge (ft-bgs)
	Water Quality in Area Impacted by In-Lieu Recharge (attach characterization)

Form 2a - Application for Supplemental Water Recharge

Material Physical Injury

Is the applicant aware of any potential material physical injury to a Party to the Judgment or the Basin that may be caused by the action covered by the Application?

YES  NO

If yes what are the proposed mitigation measures, if any, that might reasonably be imposed to ensure that the action does not result in Material Physical Injury to a Party or the Basin (provide list of mitigation measures and rational either below or attach one to this application)

Fontana Water Company will utilize only the previously approved 1-acre recharge area to continue testing.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

BY:  Applicant

6/5/2019 Date

To Be Completed by Watermaster

Is the Person a Party to the Judgment that has:

Previously contributed to the implementation of the OBMP?

YES  NO

Is in compliance with their continuing covenants under the Peace Agreement?

YES  NO

(If answer to previous question is NO)

Paid or delivered to Watermaster "financial equivalent" consideration to offset the past performance prior to the OBMP implementation?

YES  NO

Promised continued future compliance with Watermaster Rules and Regulations?

YES  NO

Date of Approval from Appropriative Pool (mm/dd/yyyy) \_\_\_\_\_

Date of Approval from Overlying Non-Ag Pool (mm/dd/yyyy) \_\_\_\_\_

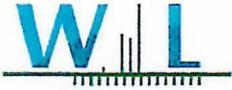
Date of Approval from Overlying Ag Pool (mm/dd/yyyy) \_\_\_\_\_

Hearing Date (if any) (mm/dd/yyyy) \_\_\_\_\_

Date of Approval by Advisory Committee (mm/dd/yyyy) \_\_\_\_\_

Date of Approval from Board (mm/dd/yyyy) \_\_\_\_\_

Recharge Agreement Number \_\_\_\_\_



WECK LABORATORIES, INC.

## Certificate of Analysis

FINAL REPORT

Work Orders: 9A02106

Report Date: 2/01/2019

Project: Sandhill Treated Title 22 Monitoring

Received Date: 1/2/2019

Turnaround Time: Normal

Phones: (909) 201-7331

Fax: (626) 582-1571

Attn: John Catone

P.O. #:

Client: San Gabriel Valley Water Company - Fontana  
P. O. Box 6010  
El Monte, CA 91734

Billing Code:

Dear John Catone :

Enclosed are the results of analyses for samples received 1/2/2019 with the Chain-of-Custody document. The samples were received in good condition, at 2.5 °C and on ice. All analysis met the method criteria except as noted in the case narrative or in the report with data qualifiers.

## Sample Results

Sample: 3076- Sandhill Treated 3610041-076  
9A02106-01 (Water)

Sampled: 01/02/19 10:00 by Eric Tarango

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: _Various	Batch ID: [CALC]	Instr: [CALC]	Prepared: 01/09/19 13:54			Analyst: jan	
Total Anions	4.8		0.070	meq/l	1	01/09/19 13:15	
Total Cations	4.6		0.038	meq/l	1	01/11/19 15:24	
Total hardness as CaCO3	105		0.662	mg/l	1	01/11/19 15:24	
Method: AWWA	Batch ID: W9A1679	Instr: _ANALYST	Prepared: 01/30/19 12:31			Analyst: jea	
Aggressive Index	11.6		N/A	N/A	1	01/30/19 12:51	
Method: EPA 140.1	Batch ID: W9A0094	Instr: WB05	Prepared: 01/02/19 18:36			Analyst: sar	
Threshold Odor Number	1.0		1.0	T.O.N.	1	01/02/19 19:48	
Method: EPA 1613B	Batch ID: W9A0200	Instr: GCMS15	Prepared: 01/04/19 09:40			Analyst: EFC	
2,3,7,8-TCDD (Dioxin)	ND		5.00	pg/l	1	01/18/19 17:05	
Method: EPA 180.1	Batch ID: W9A0162	Instr: TUR801	Prepared: 01/03/19 13:47			Analyst: anb	
Turbidity	ND		0.10	NTU	1	01/03/19 14:31	
Method: EPA 200.7	Batch ID: W9A0504	Instr: ICP03	Prepared: 01/09/19 13:54			Analyst: mtt	
Boron, Total	97		10	ug/l	1	01/11/19 15:24	
Calcium, Total	22.6		0.100	mg/l	1	01/11/19 15:24	
Iron, Total	ND		10	ug/l	1	01/11/19 15:24	
Magnesium, Total	11.8		0.100	mg/l	1	01/11/19 15:24	
Potassium, Total	3.4		0.10	mg/l	1	01/11/19 15:24	
Sodium, Total	56		0.50	mg/l	1	01/11/19 15:24	
Method: EPA 200.8	Batch ID: W9A0129	Instr: ICPMS05	Prepared: 01/03/19 10:02			Analyst: jea	
Aluminum, Total	28		5.0	ug/l	1	01/16/19 13:46	
Antimony, Total	ND		0.50	ug/l	1	01/16/19 13:46	

9A02106

Page 1 of 6



# Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

(Continued)

## Sample Results

Sample: 3076- Sandhill Treated 3610041-076  
9A02106-01 (Water)

Sampled: 01/02/19 10:00 by Eric Tarango  
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
<b>Method: EPA 200.8 (Continued)</b>	<b>Batch ID: W9A0129</b>	<b>Instr: ICPMS05</b>	<b>Prepared: 01/03/19 10:02</b>	<b>Analyst: jea</b>			
Arsenic, Total	0.84		0.40	ug/l	1	01/07/19 17:03	
Barium, Total	27		0.50	ug/l	1	01/16/19 13:46	
Beryllium, Total	ND		0.10	ug/l	1	01/16/19 13:46	
Cadmium, Total	ND		0.10	ug/l	1	01/16/19 13:46	
Chromium, Total	ND		0.20	ug/l	1	01/07/19 17:03	
Copper, Total	0.94		0.50	ug/l	1	01/16/19 13:46	
Lead, Total	ND		0.20	ug/l	1	01/16/19 13:46	
Manganese, Total	ND		0.20	ug/l	1	01/16/19 13:46	
Nickel, Total	0.87		0.80	ug/l	1	01/16/19 13:46	
Selenium, Total	0.40		0.40	ug/l	1	01/07/19 17:03	
Silver, Total	ND		0.20	ug/l	1	01/16/19 13:46	
Thallium, Total	ND		0.20	ug/l	1	01/16/19 13:46	
Zinc, Total	ND		5.0	ug/l	1	01/16/19 13:46	
<b>Method: EPA 245.1</b>	<b>Batch ID: W9A0154</b>	<b>Instr: HG03</b>	<b>Prepared: 01/03/19 12:56</b>	<b>Analyst: gza</b>			
Mercury, Total	ND		0.050	ug/l	1	01/09/19 11:56	
<b>Method: EPA 300.0</b>	<b>Batch ID: W9A0187</b>	<b>Instr: LC12</b>	<b>Prepared: 01/04/19 08:02</b>	<b>Analyst: jan</b>			
Chloride, Total	94		0.50	mg/l	1	01/04/19 11:00	
Fluoride, Total	ND		0.10	mg/l	1	01/04/19 11:00	
Sulfate as SO4	26		0.50	mg/l	1	01/04/19 11:00	
<b>Method: EPA 314.0</b>	<b>Batch ID: W9A0113</b>	<b>Instr: LC08_Chan</b>	<b>Prepared: 01/03/19 08:44</b>	<b>Analyst: jan</b>			
Perchlorate	ND	0.95	2.0	ug/l	1	01/04/19 10:12	
<b>Method: EPA 335.4</b>	<b>Batch ID: W9A0143</b>	<b>Instr: AA01</b>	<b>Prepared: 01/03/19 10:54</b>	<b>Analyst: HET</b>			
Cyanide, Total	ND		5.0	ug/l	1	01/07/19 12:13	
<b>Method: EPA 353.2</b>	<b>Batch ID: W9A0081</b>	<b>Instr: AA01</b>	<b>Prepared: 01/02/19 16:54</b>	<b>Analyst: het</b>			
Nitrate as N	0.27		0.20	mg/l	1	01/03/19 17:03	
Nitrite as N	ND		100	ug/l	1	01/03/19 17:03	
NO2+NO3 as N	270		200	ug/l	1	01/03/19 17:03	
<b>Method: EPA 504.1</b>	<b>Batch ID: W9A0193</b>	<b>Instr: GC03</b>	<b>Prepared: 01/04/19 10:15</b>	<b>Analyst: ars</b>			
1,2-Dibromo-3-chloropropane	ND		0.010	ug/l	1	01/04/19 18:43	
1,2-Dibromoethane (EDB)	ND		0.020	ug/l	1	01/04/19 18:43	
<b>Method: EPA 508</b>	<b>Batch ID: W9A0195</b>	<b>Instr: GC07</b>	<b>Prepared: 01/04/19 09:03</b>	<b>Analyst: adm</b>			
4,4'-DDD	ND		0.010	ug/l	1	01/15/19 01:14	
4,4'-DDE	ND		0.010	ug/l	1	01/15/19 01:14	
4,4'-DDT	ND		0.010	ug/l	1	01/15/19 01:14	
Aldrin	ND		0.010	ug/l	1	01/15/19 01:14	
alpha-BHC	ND		0.010	ug/l	1	01/15/19 01:14	
Aroclor 1016	ND		0.10	ug/l	1	01/15/19 01:14	
Aroclor 1221	ND		0.10	ug/l	1	01/15/19 01:14	
Aroclor 1232	ND		0.10	ug/l	1	01/15/19 01:14	
Aroclor 1242	ND		0.10	ug/l	1	01/15/19 01:14	



# Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

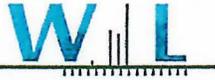
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## Sample Results

Sample: 3076- Sandhill Treated 3610041-076  
9A02106-01 (Water)

Sampled: 01/02/19 10:00 by Eric Tarango  
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 508 (Continued)	Batch ID: W9A0195	Instr: GC07	Prepared: 01/04/19 09:03	Analyst: adm			
Aroclor 1248	ND		0.10	ug/l	1	01/15/19 01:14	
Aroclor 1254	ND		0.10	ug/l	1	01/15/19 01:14	
Aroclor 1260	ND		0.10	ug/l	1	01/15/19 01:14	
beta-BHC	ND		0.010	ug/l	1	01/15/19 01:14	
Chlordane (tech)	ND		0.10	ug/l	1	01/15/19 01:14	
Chlorothalonil	ND		0.050	ug/l	1	01/15/19 01:14	
delta-BHC	ND		0.010	ug/l	1	01/15/19 01:14	
Dieldrin	ND		0.010	ug/l	1	01/15/19 01:14	
Endosulfan I	ND		0.010	ug/l	1	01/15/19 01:14	
Endosulfan II	ND		0.010	ug/l	1	01/15/19 01:14	
Endosulfan sulfate	ND		0.010	ug/l	1	01/15/19 01:14	
Endrin	ND		0.010	ug/l	1	01/15/19 01:14	
Endrin aldehyde	ND		0.010	ug/l	1	01/15/19 01:14	
gamma-BHC (Lindane)	ND		0.010	ug/l	1	01/15/19 01:14	
Heptachlor	ND		0.010	ug/l	1	01/15/19 01:14	
Heptachlor epoxide	ND		0.010	ug/l	1	01/15/19 01:14	
Hexachlorobenzene	ND		0.050	ug/l	1	01/15/19 01:14	
Hexachlorocyclopentadiene	ND		0.050	ug/l	1	01/15/19 01:14	
Methoxychlor	ND		0.010	ug/l	1	01/15/19 01:14	
PCBs, Total	ND		0.50	ug/l	1	01/15/19 01:14	
Propachlor	ND		0.050	ug/l	1	01/15/19 01:14	
Toxaphene	ND		1.0	ug/l	1	01/15/19 01:14	
Trifluralin	ND		0.010	ug/l	1	01/15/19 01:14	
<i>Surrogate(s)</i>							
Decachlorobiphenyl	98%		70-130	Conc: 0.0977		01/15/19 01:14	
Tetrachloro-meta-xylene	95%		70-130	Conc: 0.0952		01/15/19 01:14	
Method: EPA 515.3	Batch ID: W9A0266	Instr: GC08	Prepared: 01/07/19 09:43	Analyst: ars			
2,4,5-T	ND		0.20	ug/l	1	01/15/19 22:26	
2,4,5-TP (Silvex)	ND		0.20	ug/l	1	01/15/19 22:26	
2,4-D	ND		0.40	ug/l	1	01/15/19 22:26	
2,4-DB	ND		2.0	ug/l	1	01/15/19 22:26	
3,5-Dichlorobenzoic acid	ND		1.0	ug/l	1	01/15/19 22:26	
Acifluorfen	ND		0.40	ug/l	1	01/15/19 22:26	
Bentazon	ND		2.0	ug/l	1	01/15/19 22:26	
Dalapon	ND		0.40	ug/l	1	01/15/19 22:26	
DCPA	ND		0.10	ug/l	1	01/15/19 22:26	
Dicamba	ND		0.60	ug/l	1	01/15/19 22:26	
Dichloroprop	ND		0.30	ug/l	1	01/15/19 22:26	
Dinoseb	ND		0.40	ug/l	1	01/15/19 22:26	
Pentachlorophenol	ND		0.20	ug/l	1	01/15/19 22:26	



# Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

(Continued)

## Sample Results

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9A02106-01 (Water)

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(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 515.3 (Continued)	Batch ID: W9A0266	Instr: GC08	Prepared: 01/07/19 09:43	Analyst: ars			
Picloram	ND		0.60	ug/l	1	01/15/19 22:26	
<i>Surrogate(s)</i>							
2,4-DCAA	113%		70-130	Conc: 11.3		01/15/19 22:26	
Method: EPA 524.2	Batch ID: W9A0597	Instr: GCMS14	Prepared: 01/10/19 12:00	Analyst: enf			
1,1,1,2-Tetrachloroethane	ND	0.10	0.50	ug/l	1	01/10/19 23:19	
1,1,1-Trichloroethane	ND	0.11	0.50	ug/l	1	01/10/19 23:19	
1,1,2,2-Tetrachloroethane	ND	0.20	0.50	ug/l	1	01/10/19 23:19	
1,1,2-Trichloroethane	ND	0.19	0.50	ug/l	1	01/10/19 23:19	
1,1-Dichloroethane	ND	0.12	0.50	ug/l	1	01/10/19 23:19	
1,1-Dichloroethene	ND	0.16	0.50	ug/l	1	01/10/19 23:19	
1,1-Dichloropropene	ND	0.14	0.50	ug/l	1	01/10/19 23:19	
1,2,3-Trichlorobenzene	ND	0.19	0.50	ug/l	1	01/10/19 23:19	
1,2,4-Trichlorobenzene	ND	0.17	0.50	ug/l	1	01/10/19 23:19	
1,2,4-Trimethylbenzene	ND	0.20	0.50	ug/l	1	01/10/19 23:19	
1,2-Dichloroethane	ND	0.12	0.50	ug/l	1	01/10/19 23:19	
1,2-Dichloropropane	ND	0.13	0.50	ug/l	1	01/10/19 23:19	
1,3,5-Trimethylbenzene	ND	0.17	0.50	ug/l	1	01/10/19 23:19	
1,3-Dichloropropane	ND	0.11	0.50	ug/l	1	01/10/19 23:19	
1,3-Dichloropropene, Total	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
2,2-Dichloropropane	ND	0.17	0.50	ug/l	1	01/10/19 23:19	
2-Butanone	ND	0.72	5.0	ug/l	1	01/10/19 23:19	
2-Chloroethyl vinyl ether	ND	0.61	1.0	ug/l	1	01/10/19 23:19	
2-Chlorotoluene	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
2-Hexanone	ND	1.2	5.0	ug/l	1	01/10/19 23:19	
4-Chlorotoluene	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
4-Methyl-2-pentanone	ND	0.56	5.0	ug/l	1	01/10/19 23:19	
Benzene	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
Bromobenzene	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
Bromochloromethane	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
Bromodichloromethane	8.4	0.090	0.50	ug/l	1	01/10/19 23:19	
Bromoform	7.0	0.19	0.50	ug/l	1	01/10/19 23:19	
Bromomethane	ND	0.49	0.50	ug/l	1	01/10/19 23:19	
Carbon tetrachloride	0.32	0.12	0.50	ug/l	1	01/10/19 23:19	
Chlorobenzene	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
Chloroethane	ND	0.17	0.50	ug/l	1	01/10/19 23:19	
Chloroform	3.1	0.12	0.50	ug/l	1	01/10/19 23:19	
Chloromethane	ND	0.11	0.50	ug/l	1	01/10/19 23:19	
cis-1,2-Dichloroethene	ND	0.11	0.50	ug/l	1	01/10/19 23:19	
cis-1,3-Dichloropropene	ND	0.11	0.50	ug/l	1	01/10/19 23:19	
Dibromochloromethane	14	0.20	0.50	ug/l	1	01/10/19 23:19	



# Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

## Sample Results

(Continued)

Sample: 3076- Sandhill Treated 3610041-076  
9A02106-01 (Water)

Sampled: 01/02/19 10:00 by Eric Tarango  
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 524.2 (Continued)	Batch ID: W9A0597	Instr: GCMS14	Prepared: 01/10/19 12:00	Analyst: enf			
Dibromomethane	ND	0.20	0.50	ug/l	1	01/10/19 23:19	
Dichlorodifluoromethane (Freon 12)	ND	0.12	0.50	ug/l	1	01/10/19 23:19	
Di-isopropyl ether	ND	0.80	2.0	ug/l	1	01/10/19 23:19	
Ethyl tert-butyl ether	ND	0.40	2.0	ug/l	1	01/10/19 23:19	
Ethylbenzene	ND	0.21	0.50	ug/l	1	01/10/19 23:19	
Freon 113	ND	0.27	5.0	ug/l	1	01/10/19 23:19	
Hexachlorobutadiene	ND	0.40	0.50	ug/l	1	01/10/19 23:19	
Isopropylbenzene	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
m,p-Xylene	ND	0.33	0.50	ug/l	1	01/10/19 23:19	
m-Dichlorobenzene	ND	0.14	0.50	ug/l	1	01/10/19 23:19	
Methyl tert-butyl ether (MTBE)	ND	0.19	2.0	ug/l	1	01/10/19 23:19	
Methylene chloride	ND	0.14	0.50	ug/l	1	01/10/19 23:19	
Naphthalene	ND	0.42	0.50	ug/l	1	01/10/19 23:19	
n-Butylbenzene	ND	0.29	0.50	ug/l	1	01/10/19 23:19	
n-Propylbenzene	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
o-Dichlorobenzene	ND	0.19	0.50	ug/l	1	01/10/19 23:19	
o-Xylene	ND	0.20	0.50	ug/l	1	01/10/19 23:19	
p-Dichlorobenzene	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
p-Isopropyltoluene	ND	0.25	0.50	ug/l	1	01/10/19 23:19	
sec-Butylbenzene	ND	0.24	0.50	ug/l	1	01/10/19 23:19	
Styrene	ND	0.19	0.50	ug/l	1	01/10/19 23:19	
Tert-amyl methyl ether	ND	0.59	2.0	ug/l	1	01/10/19 23:19	
tert-Butylbenzene	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
Tetrachloroethene	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
THMs, Total	32	0.60	2.0	ug/l	1	01/10/19 23:19	
Toluene	ND	0.14	0.50	ug/l	1	01/10/19 23:19	
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/l	1	01/10/19 23:19	
trans-1,3-Dichloropropene	ND	0.15	0.50	ug/l	1	01/10/19 23:19	
Trichloroethene	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
Trichlorofluoromethane	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
Vinyl chloride	ND	0.18	0.50	ug/l	1	01/10/19 23:19	
Xylenes, Total	ND	0.33	1.0	ug/l	1	01/10/19 23:19	

Surrogates:

1,2-Dichlorobenzene-d4	101%	70-130	Conc: 10.1	01/10/19 23:19
4-Bromofluorobenzene	93%	70-130	Conc: 9.27	01/10/19 23:19

Method: EPA 525.2	Batch ID: W9A0540	Instr: GCMS16	Prepared: 01/10/19 10:30	Analyst: rmr	
Alachlor	ND	0.10	ug/l	1	01/23/19 19:32
Atrazine	ND	0.10	ug/l	1	01/23/19 19:32
Benzo (a) pyrene	ND	0.10	ug/l	1	01/23/19 19:32
Bis(2-ethylhexyl)adipate	ND	5.0	ug/l	1	01/23/19 19:32



# Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

(Continued)

## Sample Results

Sample: 3076- Sandhill Treated 3610041-076  
9A02106-01 (Water)

Sampled: 01/02/19 10:00 by Eric Tarango  
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
<b>Method:</b> EPA 525.2 (Continued)							
Batch ID: W9A0540	Instr: GCMS16		Prepared: 01/10/19 10:30			Analyst: rmr	
Bis(2-ethylhexyl)phthalate	ND		3.0	ug/l	1	01/23/19 19:32	
Bromacil	ND		0.50	ug/l	1	01/23/19 19:32	
Butachlor	ND		0.10	ug/l	1	01/23/19 19:32	
Captan	ND		1.0	ug/l	1	01/23/19 19:32	
Chlorpropham	ND		0.10	ug/l	1	01/23/19 19:32	
Cyanazine	ND		0.10	ug/l	1	01/23/19 19:32	
Diazinon	ND		0.10	ug/l	1	01/23/19 19:32	
Dimethoate	ND		0.20	ug/l	1	01/23/19 19:32	
Diphenamid	ND		0.10	ug/l	1	01/23/19 19:32	
Disulfoton	ND		0.10	ug/l	1	01/23/19 19:32	
EPTC	ND		0.10	ug/l	1	01/23/19 19:32	
Metolachlor	ND		0.10	ug/l	1	01/23/19 19:32	
Metribuzin	ND		0.10	ug/l	1	01/23/19 19:32	
Molinate	ND		0.10	ug/l	1	01/23/19 19:32	
Prometon	ND		0.10	ug/l	1	01/23/19 19:32	
Prometryn	ND		0.10	ug/l	1	01/23/19 19:32	
Simazine	ND		0.10	ug/l	1	01/23/19 19:32	
Terbacil	ND		2.0	ug/l	1	01/23/19 19:32	
Thiobencarb	ND		0.10	ug/l	1	01/23/19 19:32	
Trithion	ND		0.10	ug/l	1	01/23/19 19:32	
<i>Surrogate(s)</i>							
1,3-Dimethyl-2-nitrobenzene	107%		70-130	Conc: 5.34		01/23/19 19:32	
Perylene-d12	86%		50-120	Conc: 4.32		01/23/19 19:32	
Triphenyl phosphate	95%		70-130	Conc: 4.77		01/23/19 19:32	
<b>Method:</b> EPA 531.1							
Batch ID: W9A0549	Instr: LC10		Prepared: 01/10/19 10:19			Analyst: pjs	
3-Hydroxycarbofuran	ND		2.0	ug/l	1	01/11/19 02:48	
Aldicarb	ND		2.0	ug/l	1	01/11/19 02:48	
Aldicarb sulfone	ND		2.0	ug/l	1	01/11/19 02:48	
Aldicarb sulfoxide	ND		2.0	ug/l	1	01/11/19 02:48	
Carbaryl	ND		2.0	ug/l	1	01/11/19 02:48	
Carbofuran	ND		2.0	ug/l	1	01/11/19 02:48	
Methiocarb	ND		2.0	ug/l	1	01/11/19 02:48	
Methomyl	ND		2.0	ug/l	1	01/11/19 02:48	
Oxamyl	ND		2.0	ug/l	1	01/11/19 02:48	
Propoxur (Baygon)	ND		2.0	ug/l	1	01/11/19 02:48	
<b>Method:</b> EPA 547							
Batch ID: W9A0476	Instr: LC10		Prepared: 01/09/19 10:49			Analyst: pjs	
Glyphosate	ND		5.0	ug/l	1	01/09/19 20:02	
<b>Method:</b> EPA 548.1							
Batch ID: W9A0348	Instr: GCMS06		Prepared: 01/08/19 11:54			Analyst: rmr	
Endothal	ND		45	ug/l	1	01/11/19 10:01	
<b>Method:</b> EPA 549.2							
Batch ID: W9A0349	Instr: LC11		Prepared: 01/09/19 08:56			Analyst: pjs	

9A02106

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# Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

(Continued)

## Sample Results

Sample: 3076- Sandhill Treated 3610041-076  
9A02106-01 (Water)

Sampled: 01/02/19 10:00 by Eric Tarango  
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 549.2 (Continued) Diquat	Batch ID: W9A0349 Instr: LC11 ND		Prepared: 01/09/19 08:56 4.0	ug/l	1	Analyst: pjs 01/10/19 18:40	
Method: SM 2120B Color	Batch ID: W9A0158 Instr: _ANALYST ND		Prepared: 01/03/19 13:34 3.0	Color Units	1	Analyst: aem 01/03/19 13:44	
Method: SM 2320B Alkalinity as CaCO3	Batch ID: W9A0327 Instr: PH01 83		Prepared: 01/07/19 18:41 2.0	mg/l	1	Analyst: anb 01/09/19 13:15	
Bicarbonate Alkalinity as HCO3	94		2.0	mg/l	1	01/09/19 13:15	
Carbonate Alkalinity as CaCO3	6.2		2.0	mg/l	1	01/09/19 13:15	
Hydroxide Alkalinity as CaCO3	ND		2.0	mg/l	1	01/09/19 13:15	
Method: SM 2330B Langelier Index @ 60 C	Batch ID: W9A1565 Instr: _ANALYST 0.255		Prepared: 01/29/19 09:18 -10.0	N/A	1	Analyst: rrl 01/29/19 10:17	
Langelier Index @ Source Temp	-0.337		-10.0	N/A	1	01/29/19 10:17	
Method: SM 2510B Specific Conductance (EC)	Batch ID: W9A0209 Instr: PH01 430		Prepared: 01/04/19 11:13 2.0	umhos/cm	1	Analyst: anb 01/04/19 13:33	
Method: SM 2540C Total Dissolved Solids	Batch ID: W9A0131 Instr: OVEN01 320		Prepared: 01/03/19 10:08 10	mg/l	1	Analyst: nll 01/04/19 15:35	
Method: SM 4500H+-B pH	Batch ID: W9A0122 Instr: AA02 7.89		Prepared: 01/03/19 09:05 0.10	Units	1	Analyst: anb 01/03/19 10:25	
Method: SM 5540C MBAS	Batch ID: W9A0167 Instr: UVVIS04 ND		Prepared: 01/03/19 14:36 0.050	mg/l	1	Analyst: nll 01/03/19 19:45	
Method: SM 7110C Gross Alpha	Batch ID: W9A0276 Instr: RAD02 1.00		Prepared: 01/07/19 10:35	pCi/L	1	Analyst: sap 01/08/19 10:38	
Uncertainty: 0.121	MDA: 0.033						
Method: SRL 524M-TCP 1,2,3-Trichloropropane	Batch ID: W9A0109 Instr: GCMS04 ND		Prepared: 01/03/19 08:01 0.0050	ug/l	1	Analyst: enf 01/03/19 21:43	



# Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

## Notes and Definitions

Item	Definition
*	The recommended holding time for this analysis is only 15 minutes. The sample was analyzed as soon as it was possible but it was received and analyzed past holding time.
MS-03	Multiple analyses indicate the percent recovery is out of acceptance limits due to a possible matrix effect.
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
Q-ME	Acceptable QC with marginal exceedance
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.  
 An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)  
 All results are expressed on wet weight basis unless otherwise specified.  
 All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.

## Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	By ANAB
AWWA in Water Aggressive Index		✓	
SRL 524M-TCP in Water 1,2,3-Trichloropropane	96-18-4	✓	

Reviewed by:



Valerie Rejuso  
Project Manager

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • ISO 17025 #L2457.01 • LACSD #10143 • NELAP-CA #04229CA •  
 NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

*This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.*



June 7, 2019

Chino Basin Watermaster  
Attention: Mr. Peter Kavounas, General Manager  
9641 San Bernardino Road  
Rancho Cucamonga, CA 91730

**Subject: Analysis of Material Physical Injury for the Fontana Water Company (FWC) Recharge Application, as submitted to the Chino Basin Watermaster on June 5, 2019 (hereafter June 5, 2019 recharge application for Vulcan Basin)**

Dear Mr. Kavounas,

Pursuant to your direction, Wildermuth Environmental, Inc. (WEI) conducted a material physical injury (MPI) analysis of the FWC's June 5, 2019 recharge application for Vulcan Basin. This MPI analysis has been done pursuant to the Watermaster Rules and Regulations and the Peace Agreement. Specifically, Article 10 of Watermaster Rules and Regulations (paragraph 10.10) requires that:

"[...] Watermaster prepare a written summary and analysis (which will include an analysis of the potential for material physical injury) of the Application and provide the Parties with a copy of the written summary and advanced notice of the date of Watermaster's scheduled consideration and possible action on any pending Applications."

Per the Peace Agreement (page 8), material physical injury is defined as:

"[...] material injury that is attributable to Recharge, Transfer, storage and recovery, management, movement or Production of water or implementation of the OBMP, including, but not limited to, degradation of water quality, liquefaction, land subsidence, increases in pump lift and adverse impacts associated with rising groundwater."

The MPI analysis presented herein is based on our professional experience and judgment in the Chino Basin, including the collection and analysis of monitoring data, past evaluation of Chino Basin storage programs, groundwater modeling of various groundwater management alternatives in the Chino Basin, and prior MPI analyses.

23692 Birtcher, Lake Forest California 92630

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### **FWC's June 5, 2019 recharge application for Vulcan Basin**

The FWC proposes to recharge up to 300 acre-feet (af) of Lytle Creek water into the Vulcan Basin during the period September 2019 through September 2020. The water would be treated to potable standards and diverted into the Vulcan Basin from the FWC distribution system. The FWC proposes to use the same one to two-acre part of the basin that was used by Vulcan and FWC for a recharge event in 2015. Note that FWC submitted, and Watermaster approved, a similar application in July 2017 and 2018 to recharge up to 300 af of Lytle Creek water into the Vulcan Basin during the combined period of September 2017 through September 2019. As of June 6, 2019, FWC has not recharged any water in the Vulcan Basin as part of their July 2017 and 2018 recharge applications.

The scope of this analysis is to determine if the proposed recharge event of up to 300 af of Lytle Creek water by the FWC, as proposed in its June 5, 2019 recharge application for Vulcan Basin, has the potential to cause MPI.

### **Groundwater Level Impacts (liquefaction, land subsidence, and increases in pump lift)**

The proposed recharge event will produce a localized increase in groundwater levels in the vicinity of the Vulcan Basin where the recharge occurs, followed by a return to the groundwater levels that would occur had the water not been recharged. The current depth to groundwater beneath the Vulcan Basin is presently about 490 feet below ground surface (bgs).<sup>1</sup> There will be no adverse liquefaction or land subsidence impacts from the groundwater level changes caused by the recharge and storage proposed by the FWC.

### **Balance of Recharge and Discharge in Every Area and Subarea**

Per the June 5, 2019 recharge application for Vulcan Basin, FWC intends to use the proposed recharge water to partially offset its overproduction that will occur from its production in MZ3. The Vulcan Basin is located in MZ3. In the absence of the proposed recharge event, the FWC would meet its replenishment obligation from transfers of water from other appropriators that produce groundwater in MZ1 and MZ2 and Watermaster replenishment that may or may not occur in MZ3. The proposed recharge event will improve the balance of recharge and discharge in MZ3.

### **Total Dissolved Solids and Nitrate Concentration of the Recharge Water**

The 2004 Regional Water Quality Control Plan (Basin Plan) for the Santa Ana River Watershed has total dissolved solids (TDS) and nitrate (expressed as nitrogen) concentration objectives in the Chino-North Groundwater Management Zone (GMZ) of 420 milligrams per liter (mg/L) and 5 mg/L, respectively. The proposed recharge event will occur in the Chino-North GMZ. Pursuant to the Basin Plan, Watermaster and the IEUA are required to manage recharge in spreading basins in the Chino Basin such that the five-

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<sup>1</sup> Note that that the latest groundwater-level data available at the nearest well to the Vulcan Basin (Fontana Well 3A) is from January 2017. An analysis of other wells in the vicinity suggests that groundwater-level elevations in Mach 2019 are similar to those observed in January 2017.

year, volume-weighted average TDS and nitrate concentration of the recycled water, imported water, supplemental native water, and new stormwater recharged across all recharge basins will not exceed the Basin Plan objectives. The FWC provided a recent characterization of Lytle Creek water quality in their June 7, 2018 recharge application. This characterization indicates that the TDS and nitrate concentrations of the water proposed to be recharged are generally less than 320 mg/L and 1 mg/L, respectively. The current ambient TDS and nitrate concentrations in the Chino-North GMZ are 360 mg/L and 10.3 mg/L, respectively, and therefore the proposed recharge event will not encroach on the current assimilative capacity or interfere with Watermaster and the IEUA's regulatory obligations. In fact, the proposed recharge event will be helpful in complying with the Basin Plan. There will be no adverse TDS or nitrate concentration impacts caused by the proposed recharge event.

### **Water Quality Impacts on Other Pumpers**

The water quality of the proposed recharge water is comparable to State Water Project water, and the proposed recharge event will improve the general water quality in MZ3 and the Basin. The proposed recharge will not change the direction and/or speed of movement of known contaminant plumes. There will be no adverse water quality impacts caused by the proposed recharge event.

### **Conclusion and Recommendations**

There will be no MPI due to the FWC proposed recharge event as described in their June 5, 2019 recharge application for Vulcan Basin.

We recommend that Watermaster consider requiring the following conditions on the approval of the recharge application:

1. The berm system used to constrain the recharge area be improved such that it will not fail due to seepage pressure or overtopping during the FWC proposed recharge event. The berm system failed during the 2015 recharge event.
2. Require the recharge water be conveyed from the source to the proposed recharge area in a closed system to ensure that the recharge water does not contact soil outside of the proposed recharge area.

Please call us if you have any questions or concerns regarding this MPI analysis.

Very truly yours,

**Wildermuth Environmental, Inc.**

A handwritten signature in cursive script that reads "Carolina Sanchez".

Carolina Sanchez, PE  
*Senior Engineer*

# **CHINO BASIN WATERMASTER**

## **I. CONSENT CALENDAR**

**E. CONSIDERATION OF APPLICATION FOR LOCAL STORAGE AGREEMENTS – OVERLYING (NON-AGRICULTURAL) POOL**



# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 25, 2019  
TO: Board Members  
SUBJECT: Consideration of Local Storage Agreements – Overlying (Non-Agricultural) Pool  
(Consent Calendar Item I.E.)

### SUMMARY

Issue: Consideration of Local Storage Agreements – Storage of Excess Carryover Water by members of the Non-Agricultural Pool in amounts to be determined and as of the close of Fiscal Year 2018/19 (June 30, 2019).

Recommendation: Approve the storage agreements.

Financial Impact: None

### Future Consideration

**Watermaster Board – July 25, 2019:** Approve the storage agreements as presented.

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### ACTIONS:

**Agricultural Pool – June 12, 2019:** Unanimously recommended Advisory Committee approval.

**Appropriative Pool – June 13, 2019:** Unanimously recommended Advisory Committee approval.

**Non-Agricultural Pool – June 13, 2019:** Unanimously recommended its representatives to support at Advisory Committee and Watermaster Board subject to changes they deem necessary.

**Advisory Committee – July 18, 2019:** Unanimously recommended to the Watermaster Board to approve.

**Watermaster Board – July 25, 2019:**

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court,  
and to develop and implement an Optimum Basin Management Program*

## BACKGROUND

The Court approved the Peace Agreement, the Implementation Plan and the goals and objectives identified in the OBMP Phase I Report on July 13, 2000, and ordered Watermaster to proceed in a manner consistent with the Peace Agreement. Under the Peace Agreement, Watermaster approval is required for applications to store, recapture, recharge or transfer water, as well as for applications for credits or reimbursements and storage and recovery programs.

Where there is no material physical injury, Watermaster must approve the transaction. Where the request for Watermaster approval is submitted by a party to the Judgment, there is a rebuttable presumption that most of the transactions do not result in Material Physical Injury to a party to the Judgment or the Basin (Storage and Recovery Programs do not have this presumption).

The following applications for a Local Storage Agreement based on quantities following the close of Fiscal Year 2018/19 and was noticed on June 6, 2019 (Attachment 1).

- Consideration of Local Storage Agreements –Storage of Excess Carryover Water by the Non-Agricultural Pool in amounts to be determined, and as of the close of Fiscal Year 2018/19.

## DISCUSSION

On June 5, 2019, and following action taken at its May 9, 2019 meeting, the Non-Agricultural Pool submitted a “universal” application (Form 1) for Overlying (Non-Agricultural) Pool Excess Carryover “for each member, a quantity equal to the surplus carryover of such member as of midnight on the evening of June 30, 2019” (Attachment 2).

The 500,000 ac-ft Safe Storage Capacity threshold analyzed in the OBMP Implementation Plan PEIR has been re-examined and revised to 600,000 ac-ft, through June 30, 2021. The total water in stored water accounts is 533,497.6 ac-ft.

Paragraph 5.2(b)(iv) of the Peace Agreements states "Watermaster shall approve the Local Storage agreement so long as: (1) the total quantity of Supplemental Water authorized to be held in Local Storage under all then existing Local Storage agreements for all parties to the Judgment does not exceed the cumulative total of 50,000 acre-feet... Watermaster may approve a proposed agreement with conditions that mitigate any threatened or potential Material Physical Injury." The Second Amendment to Peace Agreement Section 2 increases the cumulative total from 50,000 acre-feet to 100,000 acre-feet. The water held in local supplemental storage accounts is 116,853.8 ac-ft.

Pursuant to the Peace Agreement, standard losses will be applied to all water placed into Local Supplemental Storage Accounts in a manner consistent with all other water held in storage.

With the recent Safe Yield Reset and related Court Orders, Watermaster is currently revising five Assessment Packages (Fiscal Years 2014/15 through 2018/19). As a result, the above-mentioned quantities in storage accounts may fluctuate.

The application for local storage agreement was unanimously supported by all three Pools at its June 2019 meetings. The Advisory Committee unanimously approved the local storage agreement at its July 18, 2019 meeting.

## ATTACHMENTS

1. Storage Agreement Application as noticed on June 6, 2019 (click on link below to access):  
<https://cbwm.syncedtool.com/shares/file/25e5bc84c51f2f/>
2. Form 1 – Application for Local Storage Agreement including Attachment

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

Storage Agreements as noticed on June 6, 2019

(click on link below to access):

<https://cbwm.syncedtool.com/shares/file/25e5bc84c51f2f/>

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APPLICATION FOR LOCAL STORAGE AGREEMENT

APPLICANT

Non-Agricultural Pool Committee, for its members June 5, 2019
Name of Party Date Requested Date Approved
Various
Street Address For each member, a quantity equal to the surplus carryover of such member as of midnight on the evening of June 30, 2019. See Attachment.
Various CA Various
City State Zip Code
Telephone: Various Amount Requested Amount Approved

Facsimile: Various

TYPE OF WATER TO BE PLACED IN STORAGE

[ X ] Excess Carry Over [ ] Local Supplemental or Imported [ ] Both

PURPOSE OF STORAGE - Check all that may apply

- [ ] Stabilize or reduce future water costs/assessments.
[ ] Facilitate utilization of other available sources of supply.
[ ] Facilitate replenishment under certain well sites.
[ ] Preserve pumping right for a changed future potential use.
[ X ] Other, explain Any purpose authorized or otherwise permitted under the Judgment and/or other governing documents

METHOD AND LOCATION OF PLACEMENT IN STORAGE - Check and attach all that may apply

Table with 2 columns: Method/Location and Description. Includes options for Recharge, Transfer of Right to Water, and Transfer from another party.

METHOD AND LOCATION OF RECAPTURE FROM STORAGE - Check and attach all that may apply

Table with 2 columns: Method/Location and Description. Includes options for Pump from my wells and Transfer to another party.

WATER QUALITY AND WATER LEVELS

What is the existing water quality and what are the existing water levels in the areas that are likely to be affected?
For information about the water quality and water levels of the Basin, please see
http://www.cbwm.org/rep\_engineering.htm and http://cbwm.org/rep\_eng\_maps.htm

MATERIAL PHYSICAL INJURY

Is the Applicant aware of any potential Material Physical Injury to a party to the Judgment or the Basin that may be caused by the action covered by the application? Yes [ ] No [ X ]

If yes, what are the proposed mitigation measures, if any, that might reasonably be imposed to ensure that the action does not result in Material Physical Injury to a party to the Judgment or the Basin?

\_\_\_\_\_

\_\_\_\_\_

~~ADDITIONAL INFORMATION ATTACHED~~ Yes [ X ] No [ ]

  
\_\_\_\_\_  
Applicant,  
Chair, Non-Agricultural Pool Committee, as authorized by affirmative action of the Committee at its regular meeting on May 9, 2019

**TO BE COMPLETED BY WATERMASTER:**

DATE OF APPROVAL FROM NON-AGRICULTURAL POOL: \_\_\_\_\_

DATE OF APPROVAL FROM AGRICULTURAL POOL: \_\_\_\_\_

DATE OF APPROVAL FROM APPROPRIATIVE POOL: \_\_\_\_\_

HEARING DATE, IF ANY: \_\_\_\_\_

DATE OF ADVISORY COMMITTEE APPROVAL: \_\_\_\_\_

DATE OF BOARD APPROVAL: \_\_\_\_\_ Agreement # \_\_\_\_\_

## ATTACHMENT

This is an application for storage agreements authorized by the Non-Agricultural Pool Committee on behalf of the members of the Non-Agricultural Pool for surplus carryover of such members as of June 30, 2019.

In Section 8 of the Judgment, the Court determined that the members of the Non-Agricultural Pool were owners of an overlying water right. [Judgment, Section 8.] The allocation of Safe Yield to members of the Non-Agricultural Pool is not subject to adjustment for changes in Safe Yield. [Judgment, Section 44.]

If a member of the Non-Agricultural Pool produces less than its assigned share of Operating Safe Yield in any year, such unproduced water is considered “carryover,” and may be produced by such member in a subsequent year. [Judgment, Exhibit G, Section 7.] The first water produced by such member during any such subsequent year is deemed to be produced from any such carryover. [Judgment, Exhibit G, Section 7.] If the quantity of carryover of any member of the Non-Agricultural Pool in a year exceeds its production in such year, then such unproduced water is considered “surplus carryover.” [Judgment, Exhibit G, Section 7.] Section 7 of Exhibit G provides that members of the Non-Agricultural Pool shall execute storage agreements with Watermaster “as a condition of preserving such surplus carryover.”

The applicant understands that, at least in some instances, and for reasons unknown to the applicant, the term “surplus carryover” is referred to as “excess carryover.” For that reason, the applicant has checked the box marked “excess carryover” on this form.

The applicant understands that Watermaster reports the quantity of carryover and excess carryover of each member of the Non-Agricultural Pool in the annual assessment packages. The most recent annual assessment package is available on Watermaster’s website. [http://www.cbwm.org/rep\\_finance.htm](http://www.cbwm.org/rep_finance.htm). Based on Section 7 of Exhibit G to the Judgment, as described in the immediately preceding paragraph, the quantity added to the surplus carryover of each member of the Non-Agricultural Pool for the year ended June 30, 2019 is equal to or less than the carryover of such member for the year ended June 30, 2018.

Carryover becomes surplus carryover on June 30 of each year. In order to “preserve such surplus carryover,” the Non-Agricultural Pool Committee desires that members of the Non-Agricultural Pool have storage agreements in place on or prior to June 30 of each year, or, where doing so prior to June 30 is not feasible, as soon as practicable thereafter.

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# **CHINO BASIN WATERMASTER**

## **II. BUSINESS ITEMS**

### **A. OBMP UPDATE STATUS REPORT – COURT PLEADING**



# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 25, 2019  
TO: Board Members  
SUBJECT: OBMP Update Status Report – Court Pleading (Business Item II.A)

### SUMMARY

Issue: Watermaster has initiated a process to update the Optimum Basin Management Program. It desires to update the Court regarding the process and to schedule a hearing at which the Court can have any questions regarding the process answered.

Recommendation: Provide advice and assistance to Watermaster regarding the draft Status Report Regarding Update to the Optimum Basin Management Program.

Financial Impact: There is no financial impact associated with this recommendation.

### Future Consideration

Watermaster Board – July 25, 2019: Approval [WM Discretionary Action]

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### ACTIONS:

Appropriative Pool – July 11, 2019: no action taken; the item was presented for Advice and Assistance  
Non-Agricultural Pool – July 11, 2019: no action taken; the item was presented for Advice and Assistance  
Agricultural Pool – July 11, 2019: no action taken; the item was presented for Advice and Assistance  
Advisory Committee – July 18, 2019: no action taken; the item was presented for Advice and Assistance  
Watermaster Board – July 25, 2019:

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

## BACKGROUND

Watermaster has initiated a process to update the Optimum Basin Management Program with the advice and assistance of the Parties and interested Stakeholders. Multiple listening sessions have been held and Watermaster's consultant is presently drafting an initial Technical Memorandum regarding the anticipated contents of the OBMP Update. Upon the completion of the OBMP Update process, Watermaster will seek the Court's approval and direction.

## DISCUSSION

Watermaster legal counsel has drafted a Status Report Regarding Update to the Optimum Basin Management Program to inform the Court of the OBMP Update process, propose bi-annual briefing to the Court on the status of process, and requesting the opportunity to appear before the Court to briefly summarize its progress to date, its proposed schedule, and to answer any questions the Court may have. Watermaster requests the advice and assistance of the Parties and Committees in drafting its Status Report for filing with the Court.

The item was presented to all three Pools during their July 11, 2019 meetings and Advisory Committee during its July 18, 2019 meeting. Legal Counsel responded to questions and asked for any input to be provided by the time of the July 25, 2019 Board meeting.

## ATTACHMENTS

1. Draft Chino Basin Watermaster Status Report Regarding Update to the Optimum Basin Management Program

1 SCOTT S. SLATER (State Bar No. 117317)  
 SSlater@bhfs.com  
 2 BRADLEY J. HERREMA (State Bar No. 228976)  
 BHerrema@bhfs.com  
 3 CHRISTOPHER R. GUILLEN (State Bar No. 299132)  
 CGuillen@bhfs.com  
 4 **BROWNSTEIN HYATT FARBER SCHRECK, LLP**  
 1021 Anacapa Street, 2nd Floor  
 5 Santa Barbara, CA 93101-2102  
 Telephone: 805.963.7000  
 6 Facsimile: 805.965.4333

7 Attorneys for  
**CHINO BASIN WATERMASTER**

8 SUPERIOR COURT OF THE STATE OF CALIFORNIA  
 9 FOR THE COUNTY OF SAN BERNARDINO

10 CHINO BASIN MUNICIPAL WATER  
 11 DISTRICT,

12 Plaintiff,

13 v.

14 CITY OF CHINO, ET AL.,

15 Defendants.

**Case No. RCV RS 51010**

[Assigned for All Purposes to the  
 Honorable Stanford E. Reichert]

**CHINO BASIN WATERMASTER STATUS  
 REPORT REGARDING UPDATE TO THE  
 OPTIMUM BASIN MANAGEMENT  
 PROGRAM**

Date:  
 Time:  
 Dept: S35

[Filed concurrently herewith: Declaration of  
 Bradley J. Herrema in Support of Chino Basin  
 Watermaster Status Report Regarding Update to  
 the Optimum Basin Management Program]

BROWNSTEIN HYATT FARBER SCHRECK, LLP  
 1021 Anacapa Street, 2nd Floor  
 Santa Barbara, CA 93101-2711

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1 The Chino Basin Watermaster (“Watermaster”) is granted discretionary powers to develop  
2 an Optimum Basin Management Program (“OBMP”) for the Basin. In the 20th year following  
3 this Court’s approval of the Basin’s first OBMP, Watermaster is now moving forward to refresh  
4 and update its Basin management strategies to account for physical, economic, and regulatory  
5 changes (“OBMP Update”). Watermaster intends to develop this OBMP Update with stakeholder  
6 involvement and ongoing oversight of the Court. Watermaster proposes that Court be briefed no  
7 less frequently than bi-annually to ensure that the substantial ongoing efforts (engineering, legal,  
8 outreach, and participation) are open, transparent, and consistent with the Court’s direction.  
9 Watermaster respectfully requests an opportunity to appear before the Court to briefly summarize  
10 its progress to date, its proposed schedule, and to answer any questions the Court may have.

11 **I. BACKGROUND**

12 Pursuant to the Restated Judgment, Watermaster administers and oversees the  
13 implementation of the Restated Judgment. (Restated Judgment, ¶ 16.) The Restated Judgment  
14 additionally provides that Watermaster is granted discretionary powers, with the advice of the  
15 Pools and the Advisory Committee, to prepare an OBMP to maximize the beneficial use of the  
16 resources of the Chino Basin. (Restated Judgment, ¶ 41.) The goals and objectives of the OBMP  
17 were initially developed and reduced to writing by the Parties in 1999. In 2000, the Parties to the  
18 Restated Judgment (“Parties”) executed the Peace Agreement, a contract among the Parties that  
19 enabled the development of the OBMP Implementation Plan. The document establishes a  
20 roadmap, complete with the time frames for Watermaster to implement tasks and projects in  
21 accordance with the Peace Agreement.

22 In 2007, the OBMP Implementation Plan received its first significant amendments to  
23 account for the change in recycled water use strategies for the Basin and to incorporate the final  
24 expansion of the Chino Basin Desalters and Basin Re-Operation in support of this effort. Both  
25 the original OBMP Implementation Plan and its 2007 amendment were subjected to ongoing  
26 review and reporting by the Court.

27 **II. THE NEED FOR THE OBMP UPDATE**

28 The OBMP Implementation Plan was initially adopted more than 20 years ago, and it was

1 last amended more than a decade ago. Since that time, Watermaster’s understanding of the Basin  
2 has improved, and the present understanding of the hydrology and hydrogeology of the Chino  
3 Basin has led to the identification of new water management challenges. Climate change, salt and  
4 nutrient management, and environmental considerations have intensified water management  
5 challenges. Changes in the law, increased outside interest in Chino Basin management, external  
6 funding opportunities, and improved science and technology have led to the refinement of the  
7 Basin management goals. These drivers are described in more detail in the 2020 OBMP Update  
8 PowerPoint presentation that was provided to the Watermaster Board at its January 24, 2019  
9 regular meeting. (Declaration of Bradley J. Herrema in Support of Chino Basin Watermaster  
10 Status Report Regarding Update to the Optimum Basin Management Program, (hereafter  
11 “Herrema Decl.”), at ¶ 4, and attached as Exhibit “A” thereto.)

12 As Watermaster has the discretion to prepare an OBMP pursuant to paragraph 41, with the  
13 advice of the Advisory and Pool Committees, Watermaster is intending to proceed with the  
14 update in the same manner. An update will likely require one or more agreements, and include  
15 environmental review of any project components in accordance California Environmental Quality  
16 Act (CEQA). Like the original, the OBMP Update will set forth the framework for Watermaster  
17 basin management strategies and project implementation for the next several decades.

18 **III. OBMP UPDATE PROCESS AND SCHEDULE**

19 In order to obtain information and feedback from the parties and other Chino Basin  
20 stakeholders, Watermaster has planned a series of eight public listening sessions throughout 2019  
21 to support the OBMP Update. To date, four Listening Sessions have been held (January 15,  
22 2019, February 12, 2019, March 21, 2019, May 16, 2019) to articulate the issues, needs, and  
23 wants of the Judgment parties; draft goals; discuss drivers, trends, and implications; and discuss  
24 feedback and recommendations for activities to be included in the OBMP Update. (Herrema  
25 Decl., at ¶ 3.) Listening Sessions 5 through 8 are planned to be held between July 2019 and  
26 January 2020 to finalize the OBMP management goals, articulate impediments to achieving the  
27 goals and ways to remove the impediments, and develop an agreement among the Parties to fund  
28 and implement the OBMP, as updated. (See Herrema Decl., Exh. A at slide 8.) Watermaster

1 anticipates the OBMP Update will be finalized in January 2020. (*Id.*)

2 Based on this timeframe for completion of the OBMP Update itself, an agreement among  
3 the Parties for the implementation of the updated OBMP is expected to be finalized in March  
4 2020. The CEQA review process for the updated OBMP can begin in February 2020. (See  
5 Herrema Decl., Exh. A at slide 8.) As it has in the past, it is expected that the Inland Empire  
6 Utilities Agency will prepare the appropriate CEQA documentation for the OBMP Update.  
7 During this process, regular meetings with the Court will enable Watermaster to receive any  
8 feedback, including specific direction to facilitate the successful completion of this important  
9 effort. Ultimately, Watermaster will seek the Court's approval of the updated OBMP, along with  
10 any further direction it may wish to provide.

11 **IV. CONCLUSION**

12 Watermaster respectfully requests the Court to take notice of this Status Report and  
13 Watermaster's proposed process to update the OBMP. Watermaster plans to apprise the Court of  
14 its progress on the OBMP Update again before the end of 2019 and at least twice a calendar year  
15 until it is complete. Watermaster seeks the opportunity to summarize its efforts, discuss calendar  
16 and deliverables to the Court's satisfaction.

17  
18  
19 \_\_\_\_\_  
BRADLEY J. HERREMA

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21  
22 19451380

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7 Attorneys for  
**CHINO BASIN WATERMASTER**

8 **SUPERIOR COURT OF THE STATE OF CALIFORNIA**  
9 **FOR THE COUNTY OF SAN BERNARDINO**

10 CHINO BASIN MUNICIPAL WATER  
11 DISTRICT,

12 Plaintiff,

13 v.

14 CITY OF CHINO, ET AL.,

15 Defendants.

**Case No. RCV RS 51010**

[Assigned for All Purposes to the  
Honorable Stanford E. Reichert]

**DECLARATION OF BRADLEY J.  
HERREMA IN SUPPORT OF CHINO  
BASIN WATERMASTER STATUS  
REPORT REGARDING UPDATE TO THE  
OPTIMUM BASIN MANAGEMENT  
PROGRAM**

Date:  
Time:  
Dept.: S35

[Filed concurrently herewith: Chino Basin  
Watermaster Status Report Regarding Update to  
the Optimum Basin Management Program]

16 I, Bradley J. Herrema, declare as follows:

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23  
24 1. I am an attorney duly admitted to practice before all of the courts of this State, and  
25 am a shareholder in the law firm of Brownstein Hyatt Farber Schreck, LLP, counsel of record for  
26 Chino Basin Watermaster ("Watermaster"). I have personal knowledge of the facts stated in this  
27 declaration, except where stated on information and belief, and, if called as a witness, I could and  
28 would competently testify to them under oath. I make this declaration in support of the above-

1 referenced request.

2 2. As legal counsel for Watermaster, I am familiar with Watermaster’s practices and  
3 procedures, as well as actions taken by the Pool Committees, Advisory Committee, and Board.

4 3. As part of the process of updating the Optimum Basin Management Program  
5 (“OBMP Update”), Watermaster has held four Listening Sessions. These Listening Sessions  
6 were held at Watermaster’s offices on January 15, 2019, February 12, 2019, March 21, 2019, and  
7 May 16, 2019.

8 4. Watermaster staff made a presentation to the Watermaster Board at its January 24,  
9 2019 regular meeting regarding the OBMP Update generally, and the January 15, 2019 Listening  
10 Session. Attached hereto as **Exhibit A** is a true and correct copy of that presentation.

11 5. A draft version of Chino Basin Watermaster Status Report Regarding Update to  
12 the Optimum Basin Management Program was presented to the Pool Committees and Advisory  
13 Committee on July 11, 2019 and July 18, 2019, respectively, for their advice and assistance.

14 6. At its July 25, 2019 regular meeting, the Watermaster Board directed Watermaster  
15 legal counsel to file the Chino Basin Watermaster Status Report Regarding Update to the  
16 Optimum Basin Management Program.

17 7. I am not aware of any opposition to the Court receiving and filing the Notice.

18 I declare under penalty of perjury under the laws of the State of California that the  
19 foregoing is true and correct. Dated this \_\_\_ day of July, 2019, at Los Angeles, California.

20  
21  
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23 \_\_\_\_\_  
Bradley J. Herrema

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26 19442779

# CHINO BASIN WATERMASTER

P121

## 2020 OBMP Update

Listening Session #1 (Summary)  
January 24, 2019





# Content

- History of the OBMP and its Implementation
- Rationale for an Update of the OBMP
  - Stakeholder participation
- Summary and Next Steps



# History of the OBMP and its implementation

Why was the OBMP created?

How did we develop it and implement it?

What did we accomplish in implementing the OBMP?



# Rationale for and Update of the OBMP

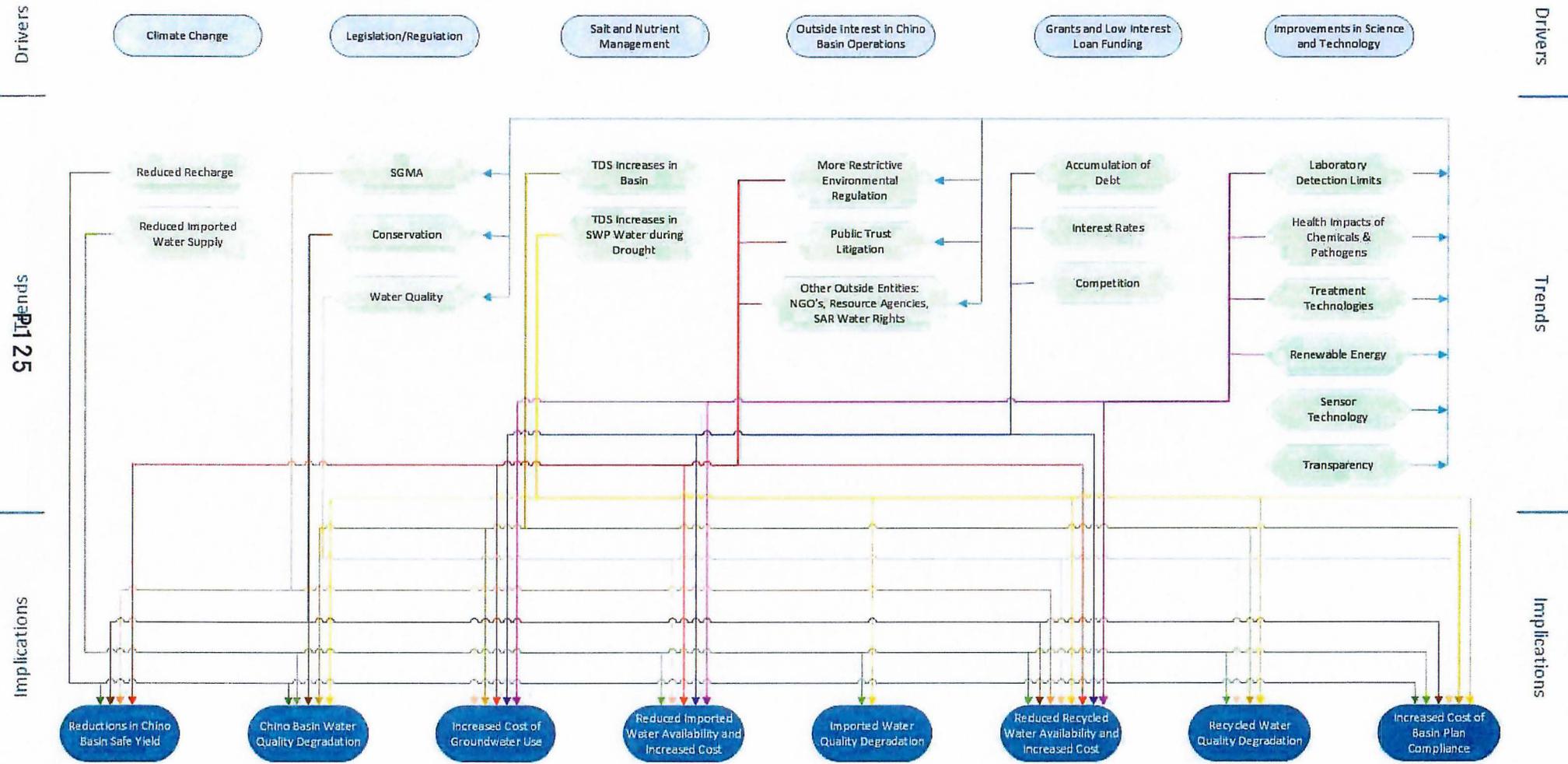
Drivers

Trends

Implications

P124

# Exhibit 1 – Drivers and Trends and Their Implications 2020 OBMP Update





# Rationale for and Update of the OBMP

Issues

Needs

Wants

P 126



# Summary and Next Steps

- Next steps:
  - Staff will compile meeting notes and emailed input from the Parties into a ***Listening Session #1 Memorandum***
  - Parties will review Memorandum and provide comments and suggested edits to the DTI chart and the INW matrix
- Listening Session #2 (2/13/2019, tentative):
  - Finalize DTI chart and INW matrix
  - Begin defining OBMP Update goals and impediments

### Task 1 Project Management and Meetings

Sep 2018 - Feb 2020

### Task 2 Develop OBMP Goals, Impediments, and Actions to Remove Impediments

Nov 2018 - Jul 2019

#### Prepare TM 1

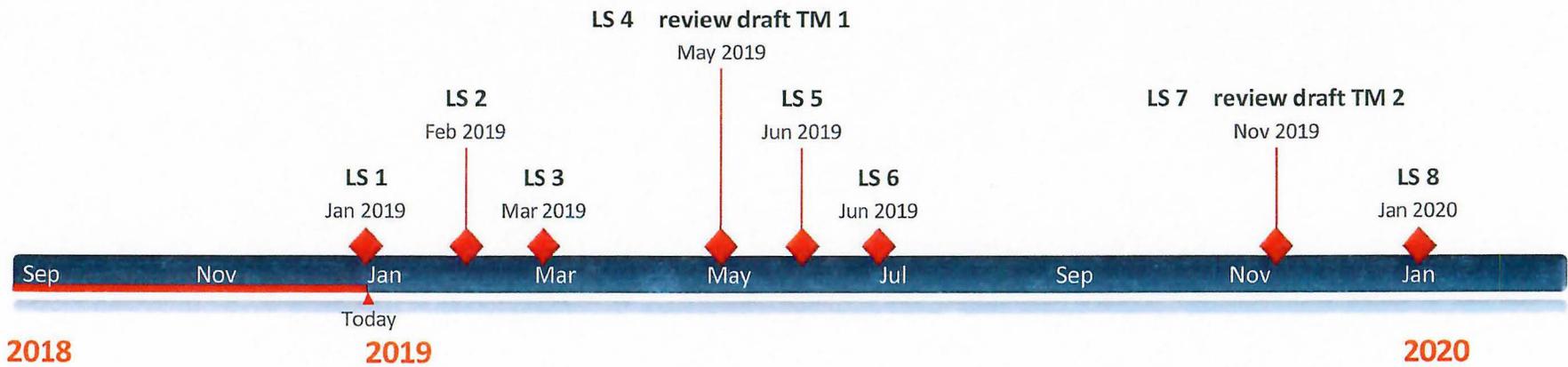
Mar - Jul

### Task 3 Develop OBMP Implementation Plan

Jul 2019 - Jan 2020

#### Prepare TM 2

Sep 2019 - Jan 2020



# CHINO BASIN WATERMASTER

## II. BUSINESS ITEMS

B. 1,2,3-TRICHLOROPROPANE (1,2,3-TCP) OCCURRENCE IN THE  
CHINO BASIN (INFORMATION ONLY)



# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

---

PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 25, 2019  
TO: Board Members  
SUBJECT: 1,2,3-trichloropropane (1,2,3-TCP) Occurrence in Chino Basin (Information Only)  
(Business Item II.B)

### SUMMARY

Issue: A change in regulation has created above-maximum contaminant level (MCL) detection of 1,2,3-TCP in certain locations within the Basin. Information is being presented to the Board to describe a change in background conditions in Chino Basin.

Recommendation: This item is being presented for informational purposes.

Financial Impact: No financial impact.

Future Consideration  
Watermaster Board – July 25, 2019: N/A

---

ACTIONS:  
Watermaster Board – July 25, 2019:

*Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program*

## BACKGROUND

California established a Notification Level (NL) for 1,2,3-TCP of 0.005 micrograms per liter ( $\mu\text{g/l}$ ) in 1999. Following the establishment of the NL, 1,2,3-TCP was included on California's Unregulated Contaminant Monitoring Rule (UCMR) sampling list (Title 22 of the California Code of Regulations [CCR], §66450) to collect data from municipal wells from 2001 to 2003. The California UCMR monitoring effort was initiated before the availability of a laboratory analytical method that could test 1,2,3-TCP concentrations at detection limits equivalent to the NL. An analytical method to test 1,2,3-TCP to a Detection Limit for Reporting (DLR) of 0.005  $\mu\text{g/l}$  became available near the end of the UCMR sampling period. Watermaster began using the 0.005  $\mu\text{g/l}$  DLR method for its monitoring programs in the southern Chino Basin in 2008.

In May 2012, the U.S. Environmental Protection Agency (EPA) released its UCMR 3 constituent list, which for the first time required nation-wide sampling of 1,2,3-TCP between 2013 and 2015. UCMR 3 did not require the use of the 0.005  $\mu\text{g/l}$  DLR analytical method and only required monitoring at a small subset of municipal drinking water wells. Due to continued use of the higher DLR methods, there was still inadequate information on the occurrence of 1,2,3-TCP relative to the NL in the Chino Basin.

In December 2017, the California State Water Resources Control Board Division of Drinking Water adopted a MCL of 0.005  $\mu\text{g/l}$ , which went into immediate effect and pursuant to Title 22 of the CCR, §64445, and water systems were required to initiate quarterly compliance monitoring for 1,2,3-TCP at active drinking water supply wells. We are informed that public water systems within the Chino Basin began timely monitoring and took appropriate compliance actions.

Attachment 1 shows two maps, the top map represents the understanding of the occurrence of 1,2,3-TCP just before the adoption of the MCL, and the bottom map is the best characterization of the occurrence of 1,2,3-TCP in the Chino Basin relative to the MCL available to Watermaster today.

## DISCUSSION

As described in the Background section 1,2,3-TCP has not been monitored consistently over a long period of time in Chino Basin, and Watermaster's understanding is relatively limited regarding the presence and extent of the contaminant. Adequate data gathering, analysis and investigation is expected to take a long time and perhaps substantial expenses to fully characterize the issue. Watermaster's 2020 update of the Optimum Basin Management Program contemplates taking a robust approach to water quality and regulatory compliance and it is expected that strategies will be developed to investigate and analyze newly-regulated contaminants such as 1,2,3-TCP.

In the meantime, it needs to be recognized that above-MCL concentrations occur in the north west portion of Chino Basin, immediately downstream of major MZ1 recharge facilities, and Watermaster needs to consider the potential effect of recharge on these concentrations and the beneficial uses within the Basin. Two parties, Monte Vista Water District and City of Pomona have wells with exceedances of 1,2,3-TCP. Watermaster staff has reached out to both parties to better understand their individual circumstances and approaches for dealing with the challenge.

While there is not enough data at this time to determine what, if any, effect recharge would have on existing 1,2,3-TCP and beneficial uses within the Basin, for abundance of caution Watermaster staff recommends that some of the ongoing recharge as part of the Dry Year Yield program with MWD be moved to another location while we further evaluate the situation. Watermaster does not anticipate any impact on the efficacy of the Dry Year Yield program by undertaking this action. However, Watermaster will convene a meeting with the Dry Year Yield operating committee to analyze if and how the current recharge plan might be modified to maintain the program without incurring undue risk to beneficial uses and expense to the parties.

Ongoing recharge by Monte Vista Water District through its ASR wells is relatively small volume and should not cause a material detriment to existing circumstances. Additionally, there is a pending application by SAWCo to recharge supplemental water next winter if available, up to 2,500 ac-ft. This too is considered a relatively small volume and should not materially affect existing circumstances; staff plans to bring the application forward for consideration in the near term. Cumulatively, their potential impact on existing conditions is likely immeasurable.

Watermaster will re-evaluate the ongoing monitoring, analyze available data, and return with any further recommendations in the future.

#### ATTACHMENTS

1. Maps comparing the understanding of 1,2,3-TCP occurrence in Chino Basin before and after the establishment of an MCL in December 2017

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# 1,2,3-Trichloropropane (1,2,3-TCP) Maximum Concentration in Groundwater ATTACHMENT 1

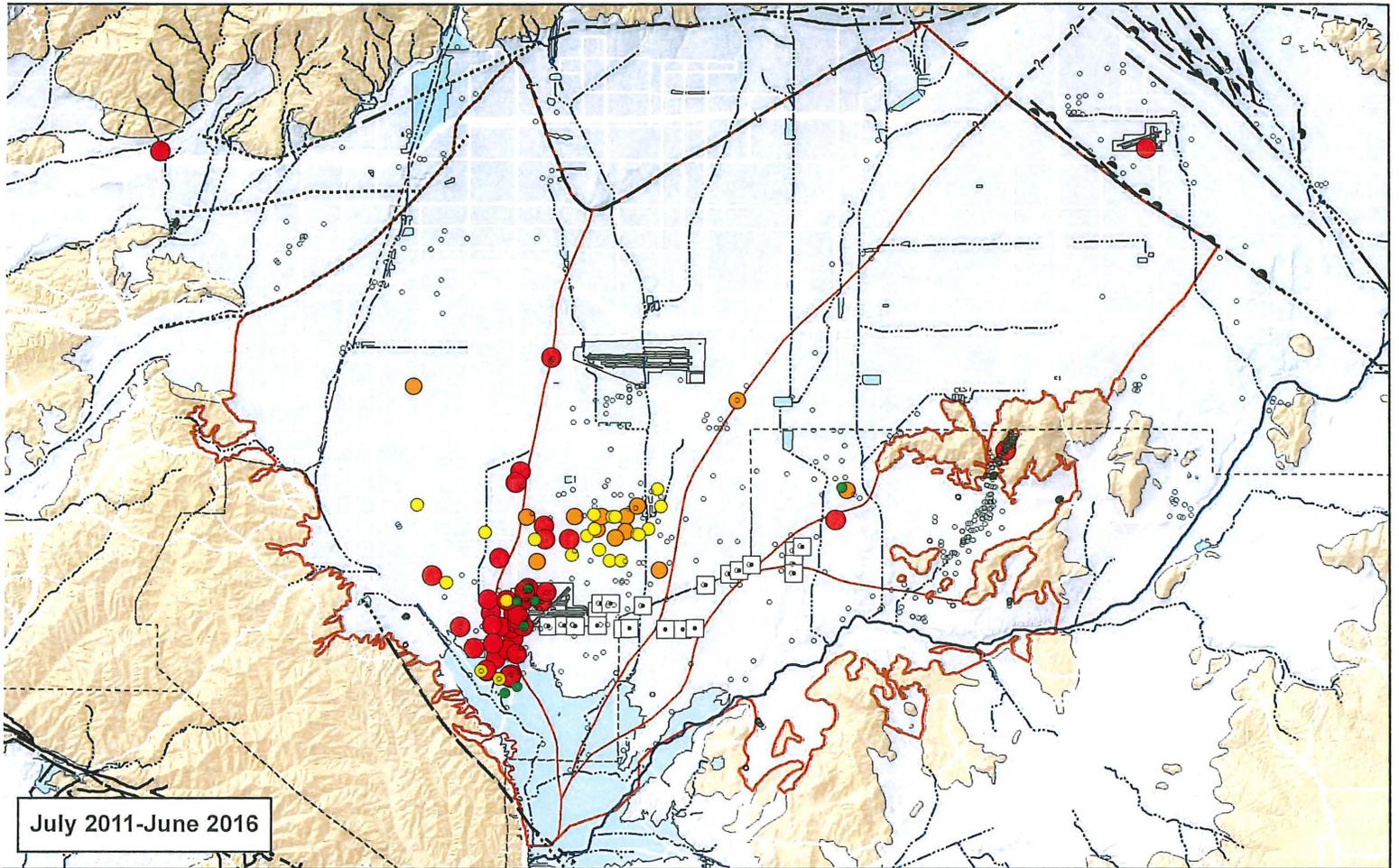
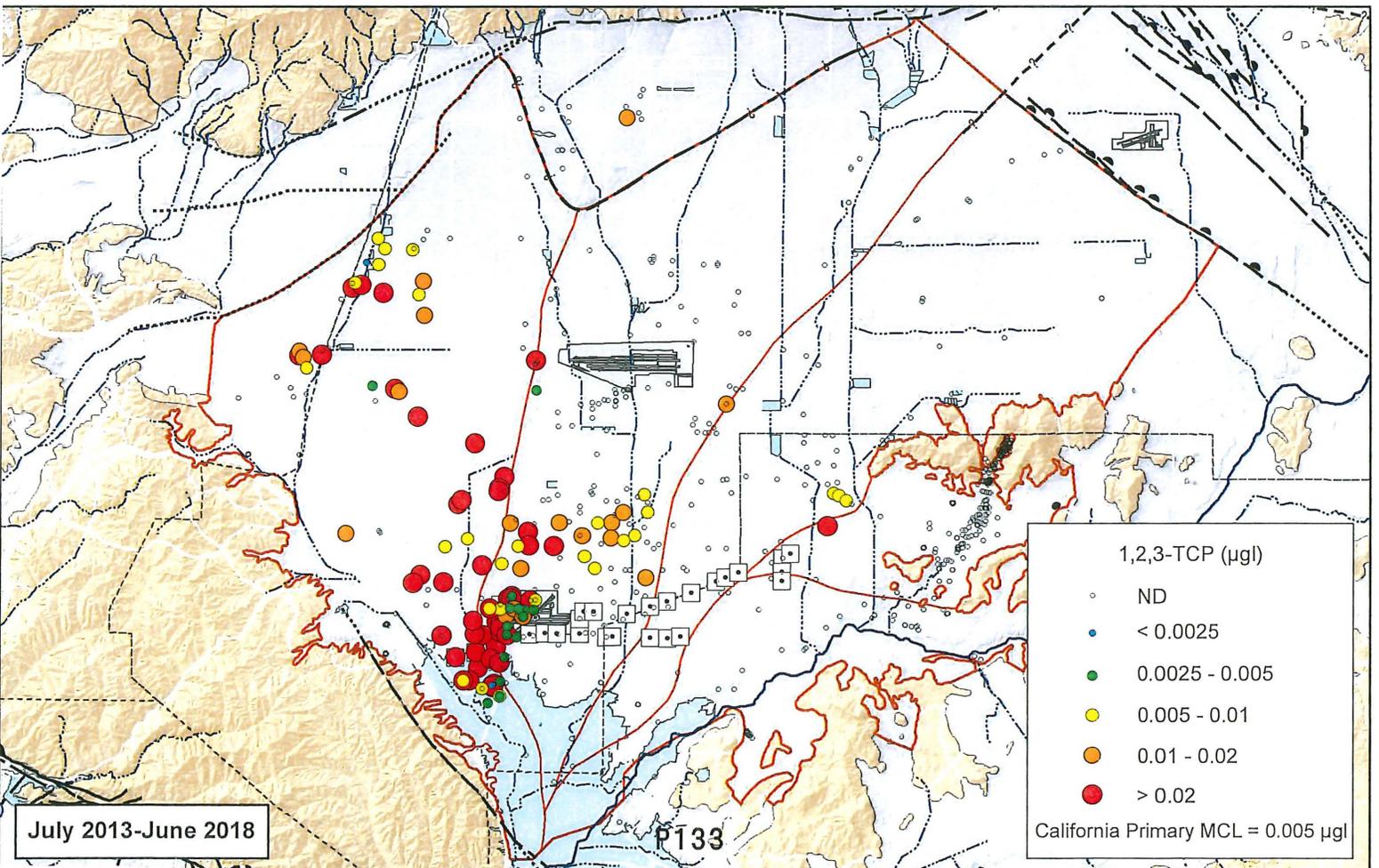


Figure from 2016 State of the Basin Report



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# **CHINO BASIN WATERMASTER**

## **III. REPORTS/UPDATES**

### **D. GM REPORT**

1. Status Report: OBMP Update



2020

# Optimum Basin Management Program Update

Progress Report - July 2019

## Background

The Chino Basin Judgment gave the Chino Basin Watermaster (Watermaster) the discretionary authority to develop an Optimum Basin Management Program (OBMP) for the Chino Basin, including both water quantity and quality considerations. Watermaster, with direction from the Court, began the development of the OBMP in 1998 and completed it in July 2000. The OBMP was developed in a collaborative public process that identified the needs and wants of all stakeholders; described the physical state of the groundwater basin; developed a set of management goals; identified impediments to those goals; described a series of actions that could be taken to remove those impediments and thereby achieve the management goals; developed and executed agreements to implement the OBMP; and certified a programmatic Environmental Impact Report (PEIR) pursuant to CEQA with IEUA as the lead agency.

By 2019, many of the projects and management programs envisioned in the 2000 OBMP have been implemented, while some have not. The OBMP goals have been partially achieved. The understanding of the hydrology and hydrogeology of the Chino Basin has improved since 2000, and new water-management issues have been identified that necessitate that the OBMP be adapted to protect the collective interests of the Chino Basin parties and their water supply reliability. For these reasons, the Watermaster parties are preparing a 2020 OBMP Update to set the framework for the next 20 to 30 years of basin-management activities.

## 2020 OBMP Update Goals



Enhance Basin  
Water Supplies



Protect and Enhance  
Water Quality



Enhance Management of  
the Basin



Equitably Finance the  
OBMP

For more information visit1: <http://www.cbwm.org/OBMPU.htm> or contact us at [etellezfoster@cbwm.org](mailto:etellezfoster@cbwm.org)

## 2020 OBMP Update Listening Sessions

### Listening Session 1 (January 15, 2019):

- History of the OBMP and its implementation
- Rationale for an OBMP Update

### Listening Session 2 (February 12, 2019):

- Drivers, Trends and Implications for Basin Management
- Issues, Needs and Wants of the Stakeholders

### Listening Session 3 (March 21, 2019):

- Review of OBMP Goals in 2000
- Review of OBMP Goals in 2020
- Activities of the OBMP

### Listening Session 4 (May 16, 2019):

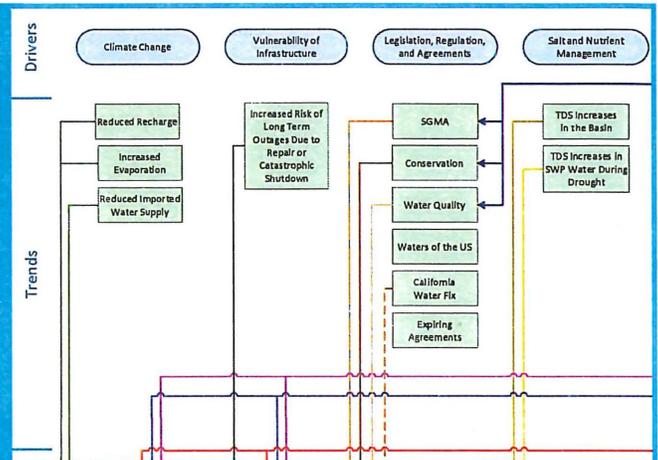
- Activities, Nexus and Outcomes

### Listening Session 5 (scheduled for July 31, 2019)

### Listening Session 6

### Listening Session 7

### Listening Session 8



## Activities Being Considered for the 2020 OBMP Update

- Construct new facilities and improve existing facilities to increase the capacity to store and recharge storm and supplemental water, particularly in areas of the basin that will promote the long-term balance of recharge and discharge
- Develop, implement, and optimize storage-and-recovery programs to increase water-supply reliability, protect or enhance Safe Yield, and improve water quality.
- Identify and implement regional conveyance and treatment projects/programs to enable all stakeholders to exercise their pumping rights and minimize land subsidence.
- Maximize the reuse of recycled water produced by IEUA and others
- Develop and implement a water-quality management plan to address current and future water-quality issues and protect beneficial uses
- Develop strategic regulatory-compliance solutions to comply with new and evolving drinking water standards that achieve multiple benefits in managing water quality
- Optimize the use of all sources of water supply by improving the ability to move water across the basin and amongst stakeholders, prioritizing the use of existing infrastructure.
- Develop an equitable distribution of costs/benefits of the OBMP Update and include in the OBMP update agreements
- Develop regional partnerships to implement the OBMP Update and reduce costs and include in OBMP Update agreement
- Continue to identify and pursue low-interest loans and grants or other external funding sources to support the implementation of the OBMP Update
- Develop management strategy within the Salt and Nutrient Management Plan to ensure ability to comply with dilution requirements for recycled water recharge
- Perform the appropriate amount of monitoring and reporting required to fulfill basin management and regulatory compliance

## Monthly Update

The 2020 OBMP Update is being conducted using a collaborative stakeholder process like that employed for the development of the 2000 OBMP. A series of public “Listening Sessions” are being held by the Watermaster throughout 2019 to support the 2020 OBMP Update. The purpose of the Listening Sessions is to obtain information, ideas, and feedback from the Chino Basin stakeholders to define their issues needs and wants, their collective goals for the 2020 OBMP Update, the impediments to achieving the goals, the management actions required to remove the impediments, and an implementation plan for the management actions. The objective is for the ideas and opinions of every stakeholder to be heard and considered.

Thus far through the Listening Session process, the Chino Basin stakeholders have achieved the following:

*1. Drivers, Trends, and Implications for Basin Management.* The stakeholders identified the drivers and trends in today’s water management space that will challenge the ability of the parties to protect their collective interests in the Chino Basin and their water supply reliability. The drivers and trends have basin management implications that are forming the rationale for updating the OBMP:

- Reductions in Chino Basin Safe Yield
- Reduced imported water availability and increased cost
- Imported water quality degradation
- Chino Basin water quality degradation
- Inability to pump groundwater with existing infrastructure
- Increased cost of groundwater use
- Recycled water quality degradation
- Reduced recycled water availability and increased cost
- Increased cost of Basin Plan compliance

*2. Goals of the 2020 OBMP Update.* The stakeholders articulated their issues, needs and wants, which formed the basis of the management goals of the 2020 OBMP Update. A total of 57 unique needs and wants were identified by the Chino Basin stakeholders. Through this process, the stakeholders concluded that the goals of the 2000 OBMP are still relevant today and should be the goals of the 2020 OBMP Update. The stakeholders developed a statement of intent for each goal:

**Goal No. 1 - Enhance Basin Water Supplies.** The intent of this goal is to increase the water supplies available for Chino Basin parties and improve water supply reliability. This goal applies to Chino Basin groundwater and all other sources of water available for beneficial use.

**Goal No.2 - Protect and Enhance Water Quality.** The intent of this goal is to ensure the protection of the long-term beneficial uses of Chino Basin groundwater.

**Goal No.3 - Enhance Management of the Basin.** The intent of this goal is to encourage sustainable management of the Chino Basin to avoid material physical injury, promote local control, and improve water-supply reliability for the benefit of all Chino Basin parties.

**Goal No. 4 - Equitably Finance the OBMP.** The intent of this goal is to identify and use efficient and equitable methods to fund OBMP implementation.

*3. Activities of the 2020 OBMP Update.* There are physical, institutional, and financial impediments to achieving the goals of the 2020 OBMP Update. The stakeholders identified and described 12 activities to remove these impediments and achieve the goals. These activities (left) will be considered for inclusion in the 2020 OBMP Update.

The next step in the process to develop the 2020 OBMP Update is to (1) define the action plans required to perform the activities and (2) prepare reconnaissance-level engineering cost estimates of the action plans. This information will be documented in a technical memorandum (OBMP Update Technical Memorandum #1 [OBMP TM1]). OBMP TM1 will be circulated for review and subsequently refined and formulated into a recommended implementation plan (OBMP TM2) over a series of listening sessions with the stakeholders.

TM1 will be released to the Chino Basin stakeholders for review in two parts. This first part includes the description of the first four activities: A, B, D, and E/F. The second part includes the description of the remaining four activities and will be released in August 2019.

The next listening session is scheduled for July 31, 2019 to review the first part of TM1.

# 2020 OBMP Update Process



## Timeline



# CHINO BASIN WATERMASTER

## IV. INFORMATION

1. Cash Disbursements for June 2019

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
June 2019

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	06/04/2019	21503	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	760472		760472	6078 · BHFS Legal - Miscellaneous	18,086.85
				Angelica BK	6078 · BHFS Legal - Miscellaneous	337.50
				Mileage/Parking Expense	8375 · BHFS Legal - Appropriative Pool	13.05
				Mileage/Parking Expense	8475 · BHFS Legal - Agricultural Pool	13.05
				Mileage/Parking Expense	8575 · BHFS Legal - Non-Ag Pool	13.04
				Mileage/Parking Expense	6078 · BHFS Legal - Miscellaneous	39.14
				Mileage/Parking Expense	6375 · BHFS Legal - Board Meeting	39.14
Bill	04/30/2019	760473		Sexual Harrassment Training	6073 · BHFS Legal - Personnel Matters	3,291.30
				760473	6078 · BHFS Legal - Miscellaneous	490.05
				457(f) Plan Regulations	6073 · BHFS Legal - Personnel Matters	388.35
				GM Evaluation	6073 · BHFS Legal - Personnel Matters	457.65
Bill	04/30/2019	760474		760474	6907.34 · Santa Ana River Water Rights	799.20
Bill	04/30/2019	760475		760475	6907.33 · Desalter/Hydraulic Control	1,425.60
Bill	04/30/2019	760476		760476	6907.36 · Santa Ana River Habitat	178.20
Bill	04/30/2019	760477		760477	6275 · BHFS Legal - Advisory Committee	579.15
				Mileage/Parking Expense	6275 · BHFS Legal - Advisory Committee	39.13
Bill	04/30/2019	760478		760478	6375 · BHFS Legal - Board Meeting	5,386.50
				Lodging 04/25/19	6375 · BHFS Legal - Board Meeting	225.00
Bill	04/30/2019	760479		760479	8375 · BHFS Legal - Appropriative Pool	1,381.05
Bill	04/30/2019	760480		760480	8475 · BHFS Legal - Agricultural Pool	891.00
Bill	04/30/2019	760481		760481	8575 · BHFS Legal - Non-Ag Pool	1,069.20
Bill	04/30/2019	760482		760482	6071 · BHFS Legal - Court Coordination	1,069.20
				Delivery/Ground Transportation	6071 · BHFS Legal - Court Coordination	150.00
Bill	04/30/2019	760483		760483	6072 · BHFS Legal - Rules & Regs	3,198.15
Bill	04/30/2019	760484		760484	6077 · BHFS Legal - Party Status Maint	26.55
Bill	04/30/2019	760485		760485	6907.39 · Recharge Master Plan	1,429.65
Bill	04/30/2019	760486		760486	6907.41 · Prado Basin Habitat Sustain	846.45
Bill	04/30/2019	760487		760487	6907.42 · Initial Safe Yield Recalc	1,650.60
Bill	04/30/2019	760488		760488	6907.45 · OBMP Update	2,932.20
Bill	04/30/2019	760489		760489	6078.13 · Assessment Packages-Updates	7,257.60
Bill	04/30/2019	760490		760490	6078.25 · Ely 3 Basin Investigation	405.00
Bill	04/30/2019	760491		760491	6907.46 · Upper SAR Integrated Model	550.80
TOTAL						54,659.35
Bill Pmt -Check	06/04/2019	ACH 060419	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
Bill	05/14/2019	1394905143		Medical Insurance Premium - June 2019	60182.1 · Medical Insurance	8,287.63
TOTAL						8,287.63
Bill Pmt -Check	06/07/2019	ACH 060719	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	

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CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
June 2019

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
General Journal	05/31/2019	05/31/2019	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 05/19/19-06/01/19	2000 · Accounts Payable	7,444.83
TOTAL						<u>7,444.83</u>
Bill Pmt -Check	06/11/2019	21504	ACCENT COMPUTER SOLUTIONS, INC.	128387	1012 · Bank of America Gen'l Ckg	
Bill	06/04/2019	128387		Office 365 Business Premium Pro	6054 · Computer Software	123.75
TOTAL						<u>123.75</u>
Bill Pmt -Check	06/11/2019	21505	ADVANCED OFFICE SMART OFFICE SOLUTIONS	AR865829	1012 · Bank of America Gen'l Ckg	
Bill	05/22/2019	AR865829		Staples for color copier - acct. # 28019	6031.7 · Other Office Supplies	118.10
TOTAL						<u>118.10</u>
Bill Pmt -Check	06/11/2019	21506	APPLIED COMPUTER TECHNOLOGIES	3042	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2019	3042		Database Consulting Services - May 2019	6052.2 · Applied Computer Technol	3,449.60
TOTAL						<u>3,449.60</u>
Bill Pmt -Check	06/11/2019	21507	BOWCOCK, ROBERT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	05/16/2019	5/16 Personnel Comm		5/16/19 Personnel Committee Meeting	6311 · Board Member Compensation	125.00
TOTAL						<u>125.00</u>
Bill Pmt -Check	06/11/2019	21508	CENTURYLINK	80724054	1012 · Bank of America Gen'l Ckg	
Bill	05/29/2019	80724054		5/17/19-6/16/19	6053 · Internet Expense	1,060.44
TOTAL						<u>1,060.44</u>
Bill Pmt -Check	06/11/2019	21509	FILIPPI, GINO	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	05/02/2019	5/02 WQ Colloquium		5/02/19 WQ Colloquium	6311 · Board Member Compensation	125.00
Bill	05/23/2019	5/23 Board Mtg		5/23/19 Board meeting	6311 · Board Member Compensation	125.00
TOTAL						<u>250.00</u>
Bill Pmt -Check	06/11/2019	21510	GEYE, BRIAN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	05/23/2019	5/23 Board Mtg		5/23/19 Board Meeting	6311 · Board Member Compensation	125.00
Bill	05/31/2019	4/23 Budget Wkshp		4/23/19 Budget Workshop #1	6311 · Board Member Compensation	125.00
TOTAL						<u>250.00</u>
Bill Pmt -Check	06/11/2019	21511	IN-SITU, INC.	00126873	1012 · Bank of America Gen'l Ckg	
Bill	05/23/2019	00126873		00126873	7104.6 · Grdwtr Level-Supplies	592.94
TOTAL						<u>592.94</u>
Bill Pmt -Check	06/11/2019	21512	KUHN, BOB	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	05/16/2019	5/16 Advisory Comm		5/16/19 Advisory Committee meeting	6311 · Board Member Compensation	125.00
Bill	05/20/2019	5/20 Personnel Comm		5/20/19 Personnel Committee Meeting	6311 · Board Member Compensation	125.00
Bill	05/21/2019	5/21 Board Agenda		5/21/19 Board Agenda preview conference call	6311 · Board Member Compensation	125.00

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CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
June 2019

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	05/23/2019	5/23 Board Mtg		5/23/19 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						500.00
Bill Pmt -Check	06/11/2019	21513	LOEB & LOEB LLP	1829019	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	1829019		Non-Ag Pool Legal Services - April 2019	8567 · Non-Ag Legal Service	858.60
TOTAL						858.60
Bill Pmt -Check	06/11/2019	21514	PIERSON, JEFFREY	Board and Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	05/07/2019	5/07 Ad Hoc Comm		5/07/19 Ad Hoc Committee	6311 · Board Member Compensation	125.00
Bill	05/09/2019	5/09 Ag Pool Mtg		5/09/19 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	05/16/2019	5/16 Advisory Comm		5/16/19 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	05/16/2019	5/16 Personnel Comm		5/16/19 Personnel Committee Meeting	6311 · Board Member Compensation	125.00
Bill	05/20/2019	5/20 Personnel Comm		5/20/19 Personnel Committee Meeting	6311 · Board Member Compensation	125.00
Bill	05/21/2019	5/21 Board Agenda CC		5/21/19 Board Agenda CC	6311 · Board Member Compensation	125.00
Bill	05/23/2019	5/23 Board Mtg		5/23/19 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						875.00
Bill Pmt -Check	06/11/2019	21515	PREMIERE GLOBAL SERVICES	27870234	1012 · Bank of America Gen'l Ckg	
Bill	05/30/2019	27870234		Pools agenda prep call on 4/30	8312 · Meeting Expenses	2.07
				Pools agenda prep call on 4/30	8412 · Meeting Expenses	2.07
				Pools agenda prep call on 4/30	8512 · Meeting Expense	2.08
				Non-Ag Pool meeting call on 5/09	8512 · Meeting Expense	7.45
				OBMP LS 4 call on 5/16	6909.1 · OBMP Meetings	14.92
				Fee - General	6022 · Telephone	39.00
				Fee - Confidential	6022 · Telephone	39.00
				WM coordination call on 4/29	6909.1 · OBMP Meetings	30.73
				WM coordination call on 5/06	6909.1 · OBMP Meetings	17.04
				Pools agenda prep call on 5/07	8312 · Meeting Expenses	2.07
				Pools agenda prep call on 5/07	8412 · Meeting Expenses	2.07
				Pools agenda prep call on 5/07	8512 · Meeting Expense	2.07
				Last minute check for pool mtgs call on 5/08	8312 · Meeting Expenses	2.86
				Last minute check for pool mtgs call on 5/08	8412 · Meeting Expenses	2.86
				Last minute check for pool mtgs call on 5/08	8512 · Meeting Expense	2.87
				WM coordination call on 5/13	6909.1 · OBMP Meetings	6.24
				WM coordination call on 5/20	6909.1 · OBMP Meetings	14.94
				Personnel Committee meeting call on 5/20	6141.3 · Admin Meetings	17.38
				Personnel Committee meeting call on 5/20	6141.3 · Admin Meetings	6.24
				Board agenda preview call on 5/21	6312 · Meeting Expenses	9.39
				Board meeting last minute check call on 5/22	6312 · Meeting Expenses	6.24
				Service Charge	6022 · Telephone	78.00
				Service fee	6022 · Telephone	21.23

TOTAL

TOTAL

TOTAL

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CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
June 2019

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						328.82
Bill Pmt -Check	06/11/2019	21516	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	
Bill	05/29/2019	0023230253		Office Water Bottle - May 2019	6031.7 · Other Office Supplies	39.55
TOTAL						39.55
Bill Pmt -Check	06/11/2019	21517	RR FRANCHISING, INC.	72371	1012 · Bank of America Gen'l Ckg	
Bill	06/01/2019	72371		Monthly service June 2019	6024 · Building Repair & Maintenance	740.00
TOTAL						740.00
Bill Pmt -Check	06/11/2019	21518	STATE COMPENSATION INSURANCE FUND	1970970-18	1012 · Bank of America Gen'l Ckg	
Bill	06/01/2019	1970970-18		Monthly premium 5/26/19-6/26/19	60183 · Worker's Comp Insurance	552.42
TOTAL						552.42
Bill Pmt -Check	06/11/2019	21519	TELLEZ-FOSTER, EDGAR	Employee Reimbursement	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2019			ETF Reimburse - Ops Staff Meeting 5/31/19	6141.3 · Admin Meetings	93.56
TOTAL						93.56
Bill Pmt -Check	06/11/2019	21520	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2019	7076224530355049		May 2019	6175 · Vehicle Fuel	194.64
TOTAL						194.64
Bill Pmt -Check	06/11/2019	21521	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg	
Bill	05/29/2019	00101789		Vision Insurance Premium - June 2019	60182.2 · Dental & Vision Ins	88.20
TOTAL						88.20
Bill Pmt -Check	06/11/2019	21522	WESTERN MUNICIPAL WATER DISTRICT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	05/23/2019	5/23 Board Mtg		5/23/19 Board Meeting - Stockton	6311 · Board Member Compensation	125.00
Bill	05/31/2019	4/25 Board Mtg		4/25/19 Board Meeting- Stockton	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	06/11/2019	21523	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill	04/30/2019	2019117		2019117	7510 · PE6&7-IEUA Salinity Mgmt. Plan	3,369.82
Bill	04/30/2019	2019118		2019118	6906.31 · OBMP-Pool, Adv. Board Mtgs	9,002.31
Bill	04/30/2019	2019119		2019119	6906.32 · OBMP-Other General Meetings	5,999.65
Bill	04/30/2019	2019120		2019120	6906.71 · OBMP-Data Req.-CBWM Staff	47,039.60
Bill	04/30/2019	2019121		2019121	6906.72 · OBMP-Data Req.-Non CBWM Staff	231.80
Bill	04/30/2019	2019122		2019122	6906 · OBMP Engineering Services	1,242.00
Bill	04/30/2019	2019123		20191233	6906.26 · 2019 OBMP Update	11,404.80
Bill	04/30/2019	2019124		2019124	6906.73 · OBMP-2020 Safe Yield Recalc	62,991.00
Bill	04/30/2019	2019125		2019125	6906.15 · Integrated Model Mtgs-IEUA Cost	2,244.25

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**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**June 2019**

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	04/30/2019	2019126		2019126	6906.21 · State of the Basin Report	16,743.90
Bill	04/30/2019	2019127		2019127	7103.3 · Grdwtr Qual-Engineering	7,030.92
Bill	04/30/2019	2019128		2019128	7104.3 · Grdwtr Level-Engineering	16,013.36
				Blaine Tech Services, Inc.	7104.8 · Grdwtr Level-Contracted Serv	570.00
Bill	04/30/2019	2019129		Guida Surveying	7107.6 · Grd Level-Contract Svcs	56,692.36
				WSP USA Inc.	7107.6 · Grd Level-Contract Svcs	1,477.78
				2019129	7107.2 · Grd Level-Engineering	1,906.04
Bill	04/30/2019	2019130		2019130	7402 · PE4-Engineering	2,547.00
Bill	04/30/2019	2019131		2019131	7402.10 · PE4 - Northwest MZ1 Area Proj.	17,436.37
Bill	04/30/2019	2019132		2019132	7108.31 · Hydraulic Control - PBHSP	26,708.80
Bill	04/30/2019	2019133		2019133	7109.3 · Recharge & Well - Engineering	1,122.00
Bill	04/30/2019	2019134		2019134	7202.2 · Engineering Svc	1,008.90
Bill	04/30/2019	2019135		2019135	7502 · PE6&7-Engineering	4,909.60
Bill	04/30/2019	2019136		2019136	6906.16 · CBEWP-100% IEUA Cost	4,257.80
TOTAL						301,950.06
Bill Pmt -Check	06/11/2019	21524	YUKON DISPOSAL SERVICE	21136525395	1012 · Bank of America Gen'l Ckg	
Bill	06/04/2019	21136525395		June 2019	6024 · Building Repair & Maintenance	117.14
TOTAL						117.14
Bill Pmt -Check	06/12/2019	21525	INLAND EMPIRE UTILITIES AGENCY	90024217	1012 · Bank of America Gen'l Ckg	
Bill	07/01/2019	90024217		GW Recharge O&M Cost Reimbursement	7206 · Comp Recharge-O&M	309,167.25
TOTAL						309,167.25
Bill Pmt -Check	06/13/2019	21526	ACCENT COMPUTER SOLUTIONS, INC.	128707	1012 · Bank of America Gen'l Ckg	
Bill	06/10/2019	128707		Replacement Latitude 5590	6055 · Computer Hardware	964.03
TOTAL						964.03
Bill Pmt -Check	06/13/2019	21527	ACWA JOINT POWERS INSURANCE AUTHORITY	0614774	1012 · Bank of America Gen'l Ckg	
Bill	06/04/2019	0614774		Prepayment - July 2019	1409 · Prepaid Life, BAD&D & LTD	228.15
				June 2019	60191 · Life & Disab.Ins Benefits	228.15
TOTAL						456.30
Bill Pmt -Check	06/13/2019	21528	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2019	XXXX-XXXX-XXXX-9341		50% deposit on laptop-CFO	6055 · Computer Hardware	924.93
				Miscellaneous office supplies	6031.7 · Other Office Supplies	14.44
				Miscellaneous field supplies	6151 · Small Tools & Equipment	61.43
				Miscellaneous field supplies	6151 · Small Tools & Equipment	44.97
				Miscellaneous field supplies	6151 · Small Tools & Equipment	7.42
				Toll roads account replenishment	6174 · Public Transportation	28.79
				Miscellaneous office supplies	6031.7 · Other Office Supplies	190.34

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**June 2019**

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
				USB charging/power-Boardroom	6024 · Building Repair & Maintenance	266.92
				Transfer cables	6054 · Computer Software	86.26
				JW renewal of CAP Certification fee	6111 · Membership Dues	95.95
				RAM for workstation	6055 · Computer Hardware	110.01
				Miscellaneous office supplies	6031.7 · Other Office Supplies	300.89
				Staff luncheon	6141.3 · Admin Meetings	133.89
				JJ reg.-CalPERS Educational Forum 2019	6193.2 · Conference - Registration Fee	430.80
				Miscellaneous office supplies	6031.7 · Other Office Supplies	31.97
				Miscellaneous office supplies	6031.7 · Other Office Supplies	29.66
				Miscellaneous office supplies	6031.7 · Other Office Supplies	26.85
				PK meeting w/B. Bowcock	6312 · Meeting Expenses	17.73
				PK meeting w/V. Jew, J. Bosler	8312 · Meeting Expenses	43.66
				PK meeting w/E. Ulloa	6312 · Meeting Expenses	27.36
				Miscellaneous office supplies	6031.7 · Other Office Supplies	32.61
				Miscellaneous office supplies	6031.7 · Other Office Supplies	56.61
				Miscellaneous office supplies	6031.7 · Other Office Supplies	62.36
				Lunch for 5/16/19 Personnel Committee mtg.	6141.3 · Admin Meetings	95.95
				Miscellaneous office supplies	6031.7 · Other Office Supplies	12.47
				Lunch for training session w/Dave Ceppos	6141.3 · Admin Meetings	70.05
				Miscellaneous office supplies	6031.7 · Other Office Supplies	33.82
				Miscellaneous office supplies	6031.7 · Other Office Supplies	12.47
				Miscellaneous office supplies	6031.7 · Other Office Supplies	34.37
				Miscellaneous office supplies	6031.7 · Other Office Supplies	9.93
				CG membership fee for IAAP	6111 · Membership Dues	143.92
				Lunch for training session w/Dave Ceppos	6141.3 · Admin Meetings	67.28
				Miscellaneous office supplies	6031.7 · Other Office Supplies	27.29
				Miscellaneous office supplies	6031.7 · Other Office Supplies	28.09
				Miscellaneous office supplies	6031.7 · Other Office Supplies	34.51
				Miscellaneous office supplies	6031.7 · Other Office Supplies	49.44
				Miscellaneous office supplies	6031.7 · Other Office Supplies	10.32
				PK meeting w/M. Litchfield	8312 · Meeting Expenses	44.21
				Lunch for ground level monitoring committee	7107.9 · Grd Level-Other	29.92
TOTAL						3,729.89

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Bill Pmt -Check	06/13/2019	21529	CORELOGIC INFORMATION SOLUTIONS	81967057	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2019	81967057		81967057	7103.7 · Grdwtr Qual-Computer Svc	62.50
				81967057	7101.4 · Prod Monitor-Computer	62.50
TOTAL						125.00

Bill Pmt -Check	06/13/2019	21530	DE HAAN, HENRY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2019	4/11 Ag Pool Mtg		4/11/19 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**June 2019**

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL				4/11/19 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
						<u>125.00</u>
Bill Pmt -Check	06/13/2019	21531	EGOSCUE LAW GROUP, INC.	12337	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2019	12337		Ag Pool Legal Services - May 2019	8467 · Ag Legal & Technical Services	14,712.50
TOTAL						<u>14,712.50</u>
Bill Pmt -Check	06/13/2019	21532	FEDAK & BROWN LLP	Audit Firm - Progress Billing	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2019			May 2019	6062 · Audit Services	3,605.00
TOTAL						<u>3,605.00</u>
Bill Pmt -Check	06/13/2019	21533	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	05/13/2019	5/13 Ag Pool Mtg		5/13/19 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	05/16/2019	5/16 OBMP Update Mtg		5/16/19 OBMP Update LS4	8470 · Ag Meeting Attend -Special	125.00
Bill	05/16/2019	5/16 Bd/Pool Chairs		5/16/19 Board and Pool Chairs meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	05/16/2019	5/16 Personnel Comm		5/16/19 Personnel Committee meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	05/23/2019	5/23 Board Mtg		5/23/19 Board meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						<u>625.00</u>
P145 Bill Pmt -Check	06/13/2019	21534	INLAND EMPIRE UTILITIES AGENCY	1800004216	1012 · Bank of America Gen'l Ckg	
Bill	06/06/2019	1800004216		Lower Day improvement projects inv. #8	7690.8 · Lower Day Basin RMPU (TO #2)	16,641.53
TOTAL						<u>16,641.53</u>
Bill Pmt -Check	06/13/2019	21535	JOHN J. SCHATZ	Appropriative Pool Legal Services	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2019			May 2019	8367 · Legal Service	4,930.00
				Third Party Expenses	8367 · Legal Service	844.65
TOTAL						<u>5,774.65</u>
Bill Pmt -Check	06/13/2019	21536	KESSLER ALAIR INSURANCE SERVICES, INC.	773743	1012 · Bank of America Gen'l Ckg	
Bill	06/03/2019	773743		D&O Coverage - June - 30 days	6085 · Business Insurance Package	1,027.87
				D&O Coverage - July - 31 days	1401 · Prepaid Insurance-Pkg	1,062.13
TOTAL						<u>2,090.00</u>
Bill Pmt -Check	06/13/2019	21537	MONTE VISTA WATER DIST	Reimbursement Payments	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2019	SCADA		SCADA Installation, Monitoring Reimburse	7107.63 · Grd Level-MVWD SCADA Reimburs	3,343.75
Bill	05/31/2019	SCADA		SCADA Installation, Monitoring Reimburse	7107.63 · Grd Level-MVWD SCADA Reimburs	1,343.75
TOTAL						<u>4,687.50</u>
Bill Pmt -Check	06/13/2019	21538	PRECIADO, VICTOR	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2019	4/25 Board Mtg		4/25/19 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						<u>125.00</u>

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
June 2019

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Type	Date	Num	Name	Memo	Account	Paid Amount
General Journal	06/13/2019	06/13/2019	ADP, LLC	ADP Tax Service for 03/31/19-0261325-00	1012 · Bank of America Gen'l Ckg	
				ADP Tax Service for 03/31/19-0261325-00	1012 · Bank of America Gen'l Ckg	38.00
TOTAL						<u>38.00</u>
General Journal	06/14/2019	06/14/2019	ADP, LLC	ADP Payroll Service for 06/01/19-536758970	1012 · Bank of America Gen'l Ckg	
				ADP Payroll Service for 06/01/19-536758970	1012 · Bank of America Gen'l Ckg	161.55
TOTAL						<u>161.55</u>
General Journal	06/20/2019	06/20/2019	Payroll and Taxes for 06/02/19-06/15/19	Payroll and Taxes for 06/02/19-06/15/19	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 06/02/19-06/15/19	1012 · Bank of America Gen'l Ckg	31,580.56
				Payroll Taxes for 06/02/19-06/15/19	1012 · Bank of America Gen'l Ckg	10,185.69
			ICMA-RC	457(f) EE Deductions for 06/02/19-06/15/19	1012 · Bank of America Gen'l Ckg	5,166.72
			ICMA-RC	401(a) EE Deductions for 06/02/19-06/15/19	1012 · Bank of America Gen'l Ckg	1,481.89
TOTAL						<u>48,414.86</u>
Bill Pmt -Check	06/20/2019	ACH062019	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	06/15/2019	06/15/2019	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 06/02/19-06/15/19	2000 · Accounts Payable	7,444.83
TOTAL						<u>7,444.83</u>
General Journal	06/21/2019	06/21/2019	ADP, LLC	ADP Tax Service for 03/31/19-537143236	1012 · Bank of America Gen'l Ckg	
				ADP Tax Service for 03/31/19-537143236	1012 · Bank of America Gen'l Ckg	19.80
TOTAL						<u>19.80</u>
Bill Pmt -Check	06/24/2019	21539	CUCAMONGA VALLEY WATER DISTRICT	Office Lease	1012 · Bank of America Gen'l Ckg	
Bill	06/18/2019			Office lease due July 1, 2019	1422 · Prepaid Rent	6,866.54
TOTAL						<u>6,866.54</u>
Bill Pmt -Check	06/24/2019	21540	FRONTIER COMMUNICATIONS	909-484-3890-050914-5	1012 · Bank of America Gen'l Ckg	
Bill	06/18/2019	9094838900509145		Office fax	6022 · Telephone	146.01
TOTAL						<u>146.01</u>
Bill Pmt -Check	06/24/2019	21541	GREAT AMERICA LEASING CORP.	24995275	1012 · Bank of America Gen'l Ckg	
Bill	06/18/2019	24995275		Invoice for June 2019	6043.1 · Ricoh Lease Fee	2,661.62
TOTAL						<u>2,661.62</u>
Bill Pmt -Check	06/24/2019	21542	HUITSING, JOHN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	05/09/2019	5/09 Ag Pool Mtg		5/09/19 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				5/09/19 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						<u>125.00</u>

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
June 2019

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	06/24/2019	21543	LEGAL SHIELD	111802	1012 · Bank of America Gen'l Ckg	
Bill	06/13/2019	111802		Employee deductions - June 2019	60194 · Other Employee Insurance	51.80
TOTAL						51.80
Bill Pmt -Check	06/24/2019	21544	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	
Bill	07/01/2019			Retiree Medical	60182.4 · Retiree Medical	25.87
TOTAL						25.87
Bill Pmt -Check	06/24/2019	21545	THREE VALLEYS MUNICIPAL WATER DIST	LB581	1012 · Bank of America Gen'l Ckg	
Bill	05/30/2019	LB581		PK, JJ, ETF,AN-5/30/19 TVMWD Leadership	6193.2 · Conference - Registration Fee	80.00
TOTAL						80.00
Bill Pmt -Check	06/24/2019	21546	UNITED HEALTHCARE	0505296443	1012 · Bank of America Gen'l Ckg	
Bill	06/18/2019	052505296443		Dental Insurance Premium - July 2019	60182.2 · Dental & Vision Ins	744.12
TOTAL						744.12
Bill Pmt -Check	06/24/2019	21547	UNIVERSITY OF LA VERNE	Certified Administrative Professional	1012 · Bank of America Gen'l Ckg	
Bill	06/19/2019			Registration-CG-CAP Program	6193.2 · Conference - Registration Fee	2,299.00
TOTAL						2,299.00
Bill Pmt -Check	06/24/2019	21548	VERIZON WIRELESS	9831452616	1012 · Bank of America Gen'l Ckg	
Bill	06/14/2019	9831452616		Acct #470810953-00001	6022 · Telephone	297.53
TOTAL						297.53
Bill Pmt -Check	06/25/2019	ACH 062519	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
Bill	06/01/2019	15688644		Annual Unfunded Accrued Liability-Plan 3299	60180 · Employers PERS Expense	5,456.55
TOTAL						5,456.55
Bill Pmt -Check	06/26/2019	21549	KESSLER ALAIR INSURANCE SERVICES, INC.	Chino Basin Watermaster	1012 · Bank of America Gen'l Ckg	
Bill	06/26/2019	ChinoBW		Business Insurance - 5 days	6085 · Business Insurance Package	163.53
				Business Insurance - 360 days	1401 · Prepaid Insurance-Pkg	11,773.87
TOTAL						11,937.40
General Journal	06/28/2019	19/06/17	ADP, LLC	ADP Tax Service for 06/15/19-537615084	1012 · Bank of America Gen'l Ckg	
				ADP Tax Service for 06/15/19-537615084	1012 · Bank of America Gen'l Ckg	161.55
TOTAL						161.55
General Journal	06/28/2019	06/28/2019	Special Payroll-06/30/19	Special Payroll-06/30/19	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 06/30/19	1012 · Bank of America Gen'l Ckg	7,387.38
				Payroll Taxes for 06/30/19	1012 · Bank of America Gen'l Ckg	2,757.62
TOTAL						10,145.00

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
June 2019

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	06/28/2019	21550	ACCENT COMPUTER SOLUTIONS, INC.	128808	1012 · Bank of America Gen'l Ckg	
Bill	07/01/2019	128808		Monthly service - July 2019	6052.4 · IT Managed Services	4,116.00
				Overwatch - July 2019	6052.5 · IT Data Backup/Storage	699.00
				Omni Cloud - July 2019	6052.5 · IT Data Backup/Storage	117.00
				Office 365 Business premium - July 2019	6052.4 · IT Managed Services	244.75
				Image Office Storage (per GB, per month)	6052.5 · IT Data Backup/Storage	876.82
TOTAL						<u>6,053.57</u>
Bill Pmt -Check	06/28/2019	21551	BROWNSTEIN HYATT FARBER SCHRECK	VOID:	1012 · Bank of America Gen'l Ckg	0.00
TOTAL						<u>0.00</u>
Bill Pmt -Check	06/28/2019	21552	CALIFORNIA STATE UNIVERSITY - SACRAMEN	1081405	1012 · Bank of America Gen'l Ckg	
Bill	06/17/2019	1081405		Facilitation training w/Dave Ceppos	6193 · Employee Training	3,495.00
TOTAL						<u>3,495.00</u>
Bill Pmt -Check	06/28/2019	21553	CD CATERING & EVENT SERVICES	9767	1012 · Bank of America Gen'l Ckg	
Bill	06/27/2019	9767		Lunch for 6/27/19 Watermaster Board meeting	6312 · Meeting Expenses	600.69
TOTAL						<u>600.69</u>
Bill Pmt -Check	06/28/2019	21554	CENTURYLINK	81638452	1012 · Bank of America Gen'l Ckg	
Bill	06/24/2019	81638452		6/17/19-7/16/19	6053 · Internet Expense	1,060.44
TOTAL						<u>1,060.44</u>
Bill Pmt -Check	06/28/2019	21555	EMPOWER LAB	1092	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2019	1092		5/29/19 mtg w/PK	6193 · Employee Training	500.00
TOTAL						<u>500.00</u>
Bill Pmt -Check	06/28/2019	21556	LOEB & LOEB LLP	1831436	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2019	1831436		Non-Ag Pool Legal Services - May 2019	8567 · Non-Ag Legal Service	4,149.90
TOTAL						<u>4,149.90</u>
Bill Pmt -Check	06/28/2019	21557	NELSON, ANNA	Employee Reimbursement	1012 · Bank of America Gen'l Ckg	
Bill	06/28/2019			Lunch meetings	6141.3 · Admin Meetings	174.36
				Mileage reimbursement for lunch meetings	6173 · Airfare/Mileage	134.32
TOTAL						<u>308.68</u>
Bill Pmt -Check	06/28/2019	21558	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	06/24/2019	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	857.37
TOTAL						<u>857.37</u>

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
June 2019

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	06/28/2019	21559	VERIZON WIRELESS	982025775	1012 · Bank of America Gen'l Ckg	
Bill	06/24/2019	9832025775		Acct #642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	100.04
TOTAL						<u>100.04</u>
Bill Pmt -Check	06/28/2019	21560	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg	
Bill	06/27/2019	00101789		Vision Insurance Premium - July 2019	60182.2 · Dental & Vision Ins	88.20
TOTAL						<u>88.20</u>
Bill Pmt -Check	06/28/2019	21561	WILDERMUTH ENVIRONMENTAL INC	VOID:	1012 · Bank of America Gen'l Ckg	0.00
TOTAL						<u>0.00</u>
					<b>Total Disbursements:</b>	<u><u>860,069.20</u></u>

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