

CHINO BASIN WATERMASTER



NOTICE OF MEETINGS

Wednesday, June 12, 2019

1:30 p.m. – Agricultural Pool Meeting

Thursday, June 13, 2019

9:00 a.m. – Appropriative Pool Meeting
11:00 a.m. – Non-Agricultural Pool Meeting

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

CHINO BASIN WATERMASTER

Wednesday, June 12, 2019

1:30 p.m. – Agricultural Pool Meeting

Thursday, June 13, 2019

9:00 a.m. – Appropriative Pool Meeting
11:00 a.m. – Non-Agricultural Pool Meeting

POOL AGENDAS

**CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING**

1:30 p.m. – June 12, 2019

WITH

*Mr. Bob Feenstra, Chair
Mr. Jeff Pierson, Vice-Chair*

At The Offices Of

Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, CA 91730

AGENDA

CALL TO ORDER

AGENDA - ADDITIONS/REORDER

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 Agricultural Pool Meeting held on May 13, 2019 (*Page 1*)

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of April 2019 (*Page 13*)
2. Watermaster VISA Check Detail for the month of April 2019 (*Page 25*)
3. Combining Schedule for the Period July 1, 2018 through April 30, 2019 (*Page 29*)
4. Treasurer's Report of Financial Affairs for the Period April 1, 2019 through April 30, 2019 (*Page 33*)
5. Budget vs. Actual Report for the Period July 1, 2018 through April 30, 2019 (*Page 37*)

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

Recommend Advisory Committee to recommend to the Watermaster Board to 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*)

Recommend Advisory Committee to recommend to the Watermaster Board to 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 103*)

Recommend to the Advisory Committee to recommend the Watermaster Board to approve the storage agreements.

II. BUSINESS ITEMS

A. RULES AND REGULATIONS 2019 UPDATE *(Page 111)*

Offer advice and assistance to the Advisory Committee.

B. REVISED 2014/15 AND 2015/16 ASSESSMENT PACKAGES *(Page 113)*

Recommend Advisory Committee approval of the Revised 2014/15 and 2015/16 Assessment Packages along with the assessment of Desalter Replenishment Obligation.

C. 2018 PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE ANNUAL REPORT *(Page 125)*

Recommend Advisory Committee to recommend the Watermaster Board to receive and file.

D. TOLLING AGREEMENT BY AND BETWEEN THE OVERLYING (AGRICULTURAL) POOL COMMITTEE AND THE APPROPRIATIVE POOL COMMITTEE *(Page 133)*

E. OLD BUSINESS

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. June 7, 2019 Hearing

B. ENGINEER REPORT

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

C. CFO REPORT

1. Upcoming FY 2018/19 Budget Amendment

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. Other

IV. INFORMATION

1. Cash Disbursements for May 2019 *(Page 137)*

V. POOL DISCUSSION

1. Chairman's Update
2. Pool Member Comments

VI. OTHER BUSINESS

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

A Confidential Session may be held during the Pool Committee meeting for the purpose of discussion and possible action.

1. June 7, 2019 Hearing
2. Rules and Regulations
3. Strategic Planning
4. Overlying Water Rights and Recycled Water Use

VIII. FUTURE MEETINGS AT WATERMASTER

- ~~6/11/19 Tue 9:30 a.m. Rules and Regulations Update – Workshop #2 (Cancelled)~~
- 6/11/19 Tue 1:30 p.m. Groundwater Recharge Coordinating Committee (Held at CBWCD)
- 6/12/19 Wed 1:30 p.m. Agricultural Pool*
- 6/13/19 Thu 9:00 a.m. Appropriative Pool
- 6/13/19 Thu 11:00 a.m. Non-Agricultural Pool
- 6/20/19 Thu 8:00 a.m. Appropriative Pool Strategic Planning (Confidential Session Only)
- 6/20/19 Thu 9:00 a.m. Advisory Committee
- 6/20/19 Thu 9:30 a.m. Storage Management Plan – Workshop #1
- 6/27/19 Thu 11:00 a.m. Watermaster Board

*Rescheduled from June 13, 2019

ADJOURNMENT

**CHINO BASIN WATERMASTER
APPROPRIATIVE POOL MEETING**

9:00 a.m. – June 13, 2019

WITH

Mr. Van Jew, Chair

Mr. John Bosler, Vice-Chair

At The Offices Of

Chino Basin Watermaster

9641 San Bernardino Road

Rancho Cucamonga, CA 91730

AGENDA

CALL TO ORDER

AGENDA - ADDITIONS/REORDER

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 Appropriative Pool Meeting held May 9, 2019 *(Page 5)*

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of April 2019 *(Page 13)*
2. Watermaster VISA Check Detail for the month of April 2019 *(Page 25)*
3. Combining Schedule for the Period July 1, 2018 through April 30, 2019 *(Page 29)*
4. Treasurer's Report of Financial Affairs for the Period April 1, 2019 through April 30, 2019 *(Page 33)*
5. Budget vs. Actual Report for the Period July 1, 2018 through April 30, 2019 *(Page 37)*

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

Recommend Advisory Committee to recommend to the Watermaster Board to 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)*

Recommend Advisory Committee to recommend to the Watermaster Board to 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 103)*

Recommend to the Advisory Committee to recommend the Watermaster Board to approve the storage agreements.

II. BUSINESS ITEMS

A. RULES AND REGULATIONS 2019 UPDATE *(Page 111)*

Offer advice and assistance to the Advisory Committee.

B. REVISED 2014/15 AND 2015/16 ASSESSMENT PACKAGES *(Page 113)*

Recommend Advisory Committee approval of the Revised 2014/15 and 2015/16 Assessment Packages along with the assessment of Desalter Replenishment Obligation.

C. 2018 PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE ANNUAL REPORT *(Page 125)*

Recommend Advisory Committee to recommend the Watermaster Board to receive and file.

D. TOLLING AGREEMENT BY AND BETWEEN THE OVERLYING (AGRICULTURAL) POOL COMMITTEE AND THE APPROPRIATIVE POOL COMMITTEE *(Page 133)*

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. June 7, 2019 Hearing

B. ENGINEER REPORT

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

C. CFO REPORT

1. Upcoming FY 2018/19 Budget Amendment

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. Other

IV. INFORMATION

1. Cash Disbursements for May 2019 *(Page 137)*

V. POOL MEMBER COMMENTS

VI. OTHER BUSINESS

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

A Confidential Session may be held during the Pool Committee meeting for the purpose of discussion and possible action.

1. Appropriative Pool Strategic Planning Discussion

VIII. FUTURE MEETINGS AT WATERMASTER

6/11/19	Tue	9:30 a.m.	Rules and Regulations Update – Workshop #2 (Cancelled)
6/11/19	Tue	1:30 p.m.	Groundwater Recharge Coordinating Committee (Held at CBWCD)
6/12/19	Wed	1:30 p.m.	Agricultural Pool*
6/13/19	Thu	9:00 a.m.	Appropriative Pool
6/13/19	Thu	11:00 a.m.	Non-Agricultural Pool
6/20/19	Thu	8:00 a.m.	Appropriative Pool Strategic Planning (Confidential Session Only)
6/20/19	Thu	9:00 a.m.	Advisory Committee
6/20/19	Thu	9:30 a.m.	Storage Management Plan – Workshop #1
6/27/19	Thu	11:00 a.m.	Watermaster Board

*Rescheduled from June 13, 2019

ADJOURNMENT

**CHINO BASIN WATERMASTER
NON-AGRICULTURAL POOL MEETING**

11:00 a.m. – June 13, 2019

WITH

Mr. Brian Geye, Chair

Mr. Bob Bowcock, Vice-Chair

(800) 930-9525 PASS CODE: 917924

Call can be taken at

**Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, CA 91730**

AGENDA

CALL TO ORDER

ROLL CALL

AGENDA – ADDITIONS/REORDER

I. BUSINESS ITEMS - ROUTINE

A. MINUTES

Receive and file as presented:

1. Minutes of the Non-Agricultural Pool Meeting held May 9, 2019 (*Page 9*)

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of April 2019 (*Page 13*)
2. Watermaster VISA Check Detail for the month of April 2019 (*Page 25*)
3. Combining Schedule for the Period July 1, 2018 through April 30, 2019 (*Page 29*)
4. Treasurer's Report of Financial Affairs for the Period April 1, 2019 through April 30, 2019 (*Page 33*)
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Recommend Advisory Committee to recommend to the Watermaster Board to 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*)

Recommend Advisory Committee to recommend to the Watermaster Board to 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.

II. BUSINESS ITEMS

A. RULES AND REGULATIONS 2019 UPDATE (*Page 111*)

Offer advice and assistance to the Advisory Committee.

B. REVISED 2014/15 AND 2015/16 ASSESSMENT PACKAGES (*Page 113*)

Recommend Advisory Committee approval of the Revised 2014/15 and 2015/16 Assessment Packages along with the assessment of Desalter Replenishment Obligation.

C. 2018 PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE ANNUAL REPORT (Page 125)

Recommend Advisory Committee to recommend the Watermaster Board to receive and file.

D. CONSIDERATION OF APPLICATION FOR LOCAL STORAGE AGREEMENTS – OVERLYING (NON-AGRICULTURAL) POOL (Page 103)

Recommend to the Advisory Committee to recommend the Watermaster Board to approve the storage agreements.

E. MEMBER STATUS CHANGES (DISCUSSION AND POSSIBLE ACTION)

1. Any proposed transfer of Safe Yield by a Member.
2. Any transfer of Safe Yield that has actually closed or been completed.
3. Any change in name or corporate identity of a Member (such as results from a merger or filing of a change of name certificate).
4. Any change in the name of a representative or alternate representative of a Member, or a change in e-mail address for either such person.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. June 7, 2019 Hearing

B. ENGINEER REPORT

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

C. CFO REPORT

1. Upcoming FY 2018/19 Budget Amendment

D. GM REPORT

1. Status Report: OBMP Update
2. Status Report: Storage Management Plan
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6. Other

IV. INFORMATION

1. Cash Disbursements for May 2019 (Page 137)

V. POOL MEMBER COMMENTS

VI. OTHER BUSINESS

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

A Confidential Session may be held during the Pool Committee meeting for the purpose of discussion and possible action.

1. Application for Local Storage
2. Rules and Regulations Update
3. Southern Service Company

VIII. FUTURE MEETINGS AT WATERMASTER

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6/11/19	Tue	1:30 p.m.	Groundwater Recharge Coordinating Committee (Held at CBWCD)
6/12/19	Wed	1:30 p.m.	Agricultural Pool*
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6/27/19	Thu	11:00 a.m.	Watermaster Board

*Rescheduled from June 13, 2019

ADJOURNMENT

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 Recommend to the Advisory Committee to recommend the Watermaster Board to approve the storage agreements as presented.

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1. Any proposed transfer of Safe Yield by a Member.
2. Any transfer of Safe Yield that has actually closed or been completed.
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4. Any change in the name of a representative or alternate representative of a Member, or a change in e-mail address for either such person.

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1. June 7, 2019 Hearing

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6/20/19	Thu	9:30 a.m.	Storage Management Plan – Workshop #1
6/27/19	Thu	11:00 a.m.	Watermaster Board

*Rescheduled from June 13, 2019

ADJOURNMENT

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CHINO BASIN WATERMASTER

I. CONSENT CALENDAR (OAP)

A. MINUTES

1. Agricultural Pool Meeting held on May 13, 2019

DRAFT MINUTES
CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING

May 13, 2019

The Agricultural Pool meeting was held at the offices of Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on May 13, 2019.

AGRICULTURAL POOL MEMBERS PRESENT

Bob Feenstra, Chair	Dairy
Jeff Pierson, Vice-Chair	Crops
Pete Hall	State of California – CIM
Diana Frederick for Jimmy Medrano	State of California – DOC
Carol Boyd	State of California – CIM
John Huitsing	Dairy
Bob Page	County of San Bernardino
Ron LaBrucherie, Jr.	Crops

WATERMASTER BOARD MEMBER PRESENT

Paul Hofer	Crops
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WATERMASTER STAFF PRESENT

Joseph Joswiak	Chief Financial Officer
Edgar Tellez Foster	Senior Environmental Engineer
Anna Nelson	Executive Services Director/Board Clerk

WATERMASTER CONSULTANTS PRESENT

Brad Herrema	Brownstein Hyatt Farber Schreck, LLP
Andy Malone	Wildermuth Environmental, Inc.

OTHERS PRESENT AT WATERMASTER

Richard Rees	Wood plc
Tracy Egoscue	Egoscue Law Group, Inc.
Tamer Ahmed	State of California – CDCR

CALL TO ORDER

Chair Feenstra called the Agricultural Pool meeting to order at 1:33 p.m.

AGENDA – ADDITIONS/REORDER

(0:00:10) Chair Feenstra announced the passing of Mr. Nathan deBoom's father.

(0:01:00) Ms. Boyd introduced Mr. Tamer Ahmed, the Associate Director of Facilities Asset Management for the State of California.

(0:01:38) Mr. Hall announced that Mr. Jimmy Medrano was injured, and Ms. Frederick will be his alternate in the interim.

I. CONSENT CALENDAR

A. MINUTES

Approve as presented:

1. Minutes of the Agricultural Pool Meeting held on April 10, 2019

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of March 2019
2. Watermaster VISA Check Detail for the month of March 2019

3. Combining Schedule for the Period July 1, 2018 through March 31, 2019
4. Treasurer's Report of Financial Affairs for the Period March 1, 2019 through March 31, 2019
5. Budget vs. Actual Report for the Period July 1, 2018 through March 31, 2019

C. WATER TRANSACTIONS

Provide advice and assistance to the Watermaster Board on 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.

(0:02:35)

Motion by Vice-Chair Jeff Pierson, seconded by Mr. Ron LaBrucherie, Jr., and by unanimous vote
Moved to approve the Consent Calendar as presented.

II. BUSINESS ITEMS

A. WATERMASTER FISCAL YEAR 2019/20 PROPOSED BUDGET

Recommend Advisory Committee approval of the proposed FY 2019/20 budget as presented.

(0:03:12) Mr. Joswiak gave a presentation. A discussion ensued.

(0:26:24) Vice-Chair Pierson introduced a motion, which was seconded by Mr. Ron LaBrucherie, Jr. Additional discussion ensued.

(0:27:47) Vote Taken

Motion by Vice-Chair Jeff Pierson, seconded by Mr. Ron LaBrucherie, Jr., and by unanimous vote
Moved to approve Business Item II.A. as presented.

(0:29:17) Chair Feenstra authorized payment of \$21,686 to SAWPA for the TMDL Study.

B. WILDERMUTH ENVIRONMENTAL, INC. CONTRACT

Offer advice and assistance with the proposed contract.

(0:30:50) Mr. Tellez Foster gave a report. A discussion ensued.

(0:36:05) The Pool provided favorable input to move the Wildermuth Environmental, Inc. contract forward. Additional discussion ensued.

C. OLD BUSINESS

None

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

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

(0:39:36) Mr. Herrema gave a report. A discussion ensued.

B. ENGINEER REPORT

1. Pomona Extensometer Update
2. Prado Basin Habitat Sustainability Committee Annual Report
3. State of the Basin – Presentation on Water Levels and Storage

(0:45:55) Mr. Malone gave a report on GM Report Item III.D.4., the Water Quality Colloquium. A discussion ensued.

(0:49:39) Ms. Egoscue thanked Watermaster for holding a great panel and a high-level Water Quality Colloquium. Additional discussion ensued

(0:51:39) Mr. Malone gave a report on Items III.B.1. – III.B.2. and a presentation on III.B.3. A discussion ensued.

C. CFO REPORT

1. Exhibit "G" Water Payments

(1:11:27) Mr. Joswiak gave a report. A discussion ensued.

D. GM REPORT

1. OBMP Update Status
2. Prior Assessment Package True-Up Process
3. Ely 3 Basin
4. Water Quality Colloquium
5. ACWA Excellence in Water Leadership Award
6. Other

(1:14:35) Mr. Tellez Foster gave a report on Items III.D.1. – III.D.3 on Mr. Kavounas' behalf. A discussion ensued.

(1:17:42) Ms. Nelson gave a report on Item III.D.5. A discussion ensued.

(1:20:15) Mr. Joswiak gave a report on the RMPU Grant Funding Update. A discussion ensued.

(1:23:18) Mr. Tellez Foster gave a report on the Storage Management Plan. A discussion ensued.

IV. INFORMATION

1. Cash Disbursements for April 2019

V. POOL DISCUSSION

1. Chairman's Update
2. Pool Member Comments

None

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

Chair Feenstra called for a confidential session at 2:59 p.m. to discuss the Watermaster Rules and Regulations Update Process, Storage Contest, and Strategic Planning. Ms. Egoscue announced that confidential session concluded at 3:47 p.m. with the following reportable action:

(1:26:38)

1. The counsel for the Ag Pool is directed to prepare a redline of both the Ag Pool Pooling Plan and the Ag Pool's Rules and Regulations as appropriate to reflect the pattern and practices of the Pool. These documents should be brought by motion to the Court pursuant to the Judgment and to the June 2019 pool meetings in advance of any Court action.

Motion by Vice-Chair Jeff Pierson, seconded by Ms. Carol Boyd and by unanimous vote
Moved to approve the action as shown above.

ADJOURNMENT

Chair Feenstra adjourned the Agricultural Pool meeting at 3:48 p.m.

Secretary: _____

Approved: _____

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR (AP)

A. MINUTES

1. Appropriative Pool Meeting held on May 9, 2019

DRAFT MINUTES
CHINO BASIN WATERMASTER
APPROPRIATIVE POOL MEETING

May 9, 2019

The Appropriative Pool meeting was held at the offices of Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on May 9, 2019.

APPROPRIATIVE POOL MEMBERS PRESENT

Van Jew, Chair	Monte Vista Water District
Teri Layton	San Antonio Water Company
Cris Fealy	Fontana Water Company
Josh Swift	Fontana Union Water Company
Ben Lewis	Golden State Water Company
Eldon Horst	Jurupa Community Services District
Praseetha Krishnan for John Bosler	Cucamonga Valley Water District
Dave Crosley	City of Chino
Chris Diggs	City of Pomona
Rosemary Hoerning	City of Upland
Katie Gienger for Scott Burton	City of Ontario

WATERMASTER BOARD MEMBERS PRESENT

Eunice Ulloa	City of Chino
Darron Poulsen	City of Pomona

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
Frank Yoo	Water Resources Senior Associate
Justin Nakano	Water Resources Senior Associate

WATERMASTER CONSULTANTS PRESENT

Brad Herrema	Brownstein Hyatt Farber Schreck, LLP
Andy Malone	Wildermuth Environmental, Inc.

OTHERS PRESENT

Jesse Pompa	Inland Empire Utilities Agency
Amanda Coker	City of Chino
Courtney Jones	City of Ontario
Brian Lee	San Antonio Water Company
Manny Martinez	Monte Vista Water District
John Schatz	John J. Schatz, Attorney at Law

CALL TO ORDER

Chair Jew called the Appropriative Pool meeting to order at 9:02 a.m.

AGENDA – ADDITIONS/REORDER

None

I. CONSENT CALENDAR

A. MINUTES

Approve as presented:

1. Minutes of the Appropriative Pool Meeting held April 11, 2019

2. Minutes of the Appropriative Pool Special Meeting held April 25, 2019

B. FINANCIAL REPORTS

Receive and file as presented:

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

C. WATER TRANSACTIONS

Provide advice and assistance to the Watermaster Board on 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.

(0:00:26)

Motion by Mr. Josh Swift, seconded by Mr. Dave Crosley, and by unanimous vote
Moved to approve the Consent Calendar as presented.

II. BUSINESS ITEMS

A. WATERMASTER FISCAL YEAR 2019/20 PROPOSED BUDGET

Recommend Advisory Committee approval of the proposed FY 2019/20 budget as presented.

(0:00:44) Mr. Joswiak gave a presentation. A discussion ensued.

(0:24:11)

Motion by Ms. Teri Layton, seconded by Mr. Eldon Horst, and by unanimous vote
Moved to approve Business Item II.A. as presented.

B. WILDERMUTH ENVIRONMENTAL, INC. CONTRACT

Offer advice and assistance with the proposed contract.

(0:24:46) Mr. Kavounas gave a report. A discussion ensued.

(0:33:10)

Motion by Ms. Katie Gienger, seconded by Ms. Teri Layton, and by unanimous vote
Moved to defer Business Item II.B. to Confidential Session.

(0:33:27) Further discussion ensued.

(1:17:24) Chair Jew reintroduced Business Item II.B. following Confidential Session and thanked Watermaster staff for a job well done. Ms. Gienger echoed Chair Jew's compliments to staff and raised a question as to whether the text on item 5 of page 2 should read 90 or 30 days. Staff will check and provide a response.

(1:17:59) Mr. Kavounas shared the Non-Agricultural Pool's advice regarding potentially adding language to the contract to include a transitional process should the need arise.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

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

(0:34:25) Mr. Herrema gave a report. A discussion ensued.

B. ENGINEER REPORT

- 1. Pomona Extensometer Update
- 2. Prado Basin Habitat Sustainability Committee Annual Report
- 3. State of the Basin – Presentation on Water Levels and Storage

(0:37:58) Mr. Malone gave a report on Items III.B.1. – III.B.2. and a presentation for Item III.B.3. A discussion ensued.

C. CFO REPORT

- 1. Exhibit “G” Water Payments

(0:56:11) Mr. Joswiak gave a report.

D. GM REPORT

- 1. OBMP Update Status
- 2. Prior Assessment Package True-Up Process
- 3. Ely 3 Basin
- 4. Water Quality Colloquium
- 5. ACWA Excellence in Water Leadership Award
- 6. Other

(0:58:50) Mr. Kavounas gave a report and introduced Mr. Jesse Pompa from Inland Empire Utilities Agency to give a report on the RMPU Funding Update. A discussion ensued.

(1:11:30) Mr. Kavounas presented the Storage Management Plan schedule on the Watermaster website, and he gave an outline of the process and showed the timeline. A discussion ensued.

IV. INFORMATION

- 1. Cash Disbursements for April 2019

V. POOL MEMBER COMMENTS

None

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

Chair Jew called for a confidential session at 10:19 a.m. to discuss Appropriative Pool Strategic Planning and Business Item II.B., the Wildermuth Environmental, Inc. Contract. The Confidential Session concluded at 11:22 a.m. with no reportable action.

ADJOURNMENT

Chair Jew adjourned the Appropriative Pool meeting at 11:25 a.m.

Secretary: _____

Approved: _____

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CHINO BASIN WATERMASTER

I. BUSINESS ITEM – ROUTINE (ONAP)

A. MINUTES

1. Non-Agricultural Pool Meeting held on May 9, 2019

DRAFT MINUTES
CHINO BASIN WATERMASTER
NON-AGRICULTURAL POOL MEETING

May 9, 2019

The Non-Agricultural Pool meeting was held at the offices of Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA, and via conference call using the Chino Basin Watermaster conference call number on May 9, 2019.

NON-AGRICULTURAL POOL MEMBERS PRESENT AT WATERMASTER

Brian Geye, Chair	California Speedway Corporation
Bob Bowcock, Vice-Chair	CalMat Co.

NON-AGRICULTURAL POOL MEMBERS PRESENT ON CALL

Christopher Quach	City of Ontario (Non-Ag)
Andrew Silva for Bob Page	County of San Bernardino (Non-Ag)

OTHERS PRESENT ON CALL

Jeanina Romero	City of Ontario (Non-Ag)
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WATERMASTER STAFF PRESENT AT WATERMASTER

Peter Kavounas	General Manager
Joseph Joswiak	Chief Financial Officer
Edgar Tellez Foster	Senior Environmental Engineer
Anna Nelson	Executive Services Director/Board Clerk

WATERMASTER CONSULTANTS PRESENT AT WATERMASTER

Brad Herrema	Brownstein Hyatt Farber Schreck, LLP
Andy Malone	Wildermuth Environmental, Inc.

CALL TO ORDER

Chair Geye called the Non-Agricultural Pool meeting to order at 11:04 a.m.

ROLL CALL

Ms. Nelson conducted the roll call.

AGENDA – ADDITIONS/REORDER

None

I. BUSINESS ITEMS - ROUTINE

A. MINUTES

Receive and file as presented:

1. Minutes of the Non-Agricultural Pool Meeting held April 11, 2019

(0:01:47) Mr. Bowcock joined the meeting at 11:06 a.m.

(0:01:56)

Motion by Vice-Chair Bob Bowcock, seconded by Mr. Andrew Silva. The Chair called for dissent, and, none being noted, the motion was deemed passed by majority vote of those present.

Moved to receive and file Business Item I.A. as presented.

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of March 2019
2. Watermaster VISA Check Detail for the month of March 2019
3. Combining Schedule for the Period July 1, 2018 through March 31, 2019

4. Treasurer's Report of Financial Affairs for the Period March 1, 2019 through March 31, 2019
5. Budget vs. Actual Report for the Period July 1, 2018 through March 31, 2019

(0:02:22)

Motion by Vice-Chair Bob Bowcock, seconded by Mr. Christopher Quach. The Chair called for dissent, and, none being noted, the motion was deemed passed by unanimous vote of those present.

Moved to receive and file Business Item I.B. without approval as presented.

C. WATER TRANSACTIONS

Provide advice and assistance to the Watermaster Board on 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.

(0:03:06)

Motion by Vice-Chair Bob Bowcock, seconded by Mr. Andrew Silva. The Chair called for dissent, and, none being noted, the motion was deemed passed by majority vote of those present.

Moved to approve staff recommendation of Business Item I.C. and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate.

II. BUSINESS ITEMS

A. WATERMASTER FISCAL YEAR 2019/20 PROPOSED BUDGET

Recommend Advisory Committee approval of the proposed FY 2019/20 budget as presented.

(0:03:30) Mr. Joswiak gave a report

(0:06:03)

Motion by Mr. Andrew Silva, seconded by Vice-Chair Bob Bowcock. The Chair called for dissent, and, none being noted, the motion was deemed passed by majority vote of those present.

Moved to approve staff recommendation of Business Item II.A. and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate.

B. WILDERMUTH ENVIRONMENTAL, INC. CONTRACT

Offer advice and assistance with the proposed contract.

(0:06:23) Mr. Kavounas gave a report. Chair Geye suggested transitional language be added to the contract should the Watermaster and Wildermuth Environmental, Inc. relationship dissolve. A discussion ensued.

C. STORAGE APPLICATION (DISCUSSION AND POSSIBLE ACTION)

(0:12:30) Chair Geye introduced Item II.C. and asked the Pool if they would like to submit a Non-Agricultural Pool "universal" storage application. A discussion ensued.

(0:15:05) Chair Geye introduced a motion.

(0:15:15)

Motion by Mr. Andrew Silva, seconded by Vice-Chair Bob Bowcock. The Chair called for dissent, and, none being noted, the motion was deemed passed by majority vote of those present.

Moved to direct Chair and legal counsel to file a storage application on behalf of the Pool.

D. MEMBER STATUS CHANGES (DISCUSSION AND POSSIBLE ACTION)

1. Any proposed transfer of Safe Yield by a Member.
2. Any transfer of Safe Yield that has actually closed or been completed.
3. Any change in name or corporate identity of a Member (such as results from a merger or filing of a change of name certificate).
4. Any change in the name of a representative or alternate representative of a Member, or a change in e-mail address for either such person.

None

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

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

(0:15:47) Mr. Herrema gave a report.

B. ENGINEER REPORT

1. Pomona Extensometer Update
2. Prado Basin Habitat Sustainability Committee Annual Report
3. State of the Basin – Presentation on Water Levels and Storage

(0:18:15) Mr. Malone gave a report. A discussion ensued.

C. CFO REPORT

1. Exhibit "G" Water Payments

(0:23:05) Mr. Joswiak gave a report. A discussion ensued.

D. GM REPORT

1. OBMP Update Status
2. Prior Assessment Package True-Up Process
3. Ely 3 Basin
4. Water Quality Colloquium
5. ACWA Excellence in Water Leadership Award
6. Other

(0:25:13) Mr. Kavounas gave a report on Item III.D.1 – III.D.5. A discussion ensued.

(0:31:30) Mr. Nakano gave a report on the RMPU Funding Update. A discussion ensued.

(0:33:15) Mr. Kavounas gave a presentation of the Storage Management Plan process outline and timeline on the Watermaster website. A discussion ensued.

IV. INFORMATION

1. Cash Disbursements for April 2019

V. POOL MEMBER COMMENTS

None

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

None

ADJOURNMENT

Chair Geye adjourned the Non-Agricultural Pool meeting at 11:42 a.m.

Secretary: _____

Approved: _____

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR (AP & OAP)

B. FINANCIAL REPORTS

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

I. BUSINESS ITEMS – ROUTINE (ONAP)

B. FINANCIAL REPORTS

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



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: June 12, 2019 (OAP)
June 13, 2019 (AP and ONAP)

TO: Pool Committee Members

SUBJECT: Cash Disbursement Report - Financial Report B1 (April 30, 2019)

SUMMARY

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

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

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

Future Consideration

Agricultural Pool – June 12, 2019: Receive and File
Appropriative Pool – June 13, 2019: Receive and File
Non-Agricultural Pool – June 13, 2019: Receive and File
Advisory Committee – June 20, 2019: Receive and File
Watermaster Board – June 27, 2019: Receive and File (Normal Course of Business)

ACTIONS:

Agricultural Pool – June 12, 2019:
Appropriative Pool – June 13, 2019:
Non-Agricultural Pool – June 13, 2019:
Advisory Committee – June 20, 2019:
Watermaster Board – June 27, 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 April 2019 were \$629,673.34.

The most significant expenditures during the month were to Wildermuth Environmental, Inc. in the amount of \$288,013.12 (check number 21442 dated April 29, 2019; and Brownstein Hyatt Farber Schreck in the amount of \$103,519.21 (check number 21404 dated April 5, 2019).

ATTACHMENTS

1. Financial Report - B1

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	04/01/2019	21392	CENTURYLINK	78927019	1012 · Bank of America Gen'l Ckg	
Bill	03/22/2019	78927019		3/17/19-4/16/19	6053 · Internet Expense	1,062.60
TOTAL						1,062.60
Bill Pmt -Check	04/01/2019	21393	CUCAMONGA VALLEY WATER DISTRICT		1012 · Bank of America Gen'l Ckg	
Bill	03/21/2019			Office lease due April 1, 2019	1422 · Prepaid Rent	6,866.54
TOTAL						6,866.54
Bill Pmt -Check	04/01/2019	21394	FRONTIER COMMUNICATIONS	909-484-3890-050914-5	1012 · Bank of America Gen'l Ckg	
Bill	03/22/2019	90948438900509145		Office fax	6022 · Telephone	155.44
TOTAL						155.44
Bill Pmt -Check	04/01/2019	21395	GREAT AMERICA LEASING CORP.	24447303	1012 · Bank of America Gen'l Ckg	
Bill	03/21/2019	24447303		Invoice for March 2019	6043.1 · Ricoh Lease Fee	2,661.62
TOTAL						2,661.62
Bill Pmt -Check	04/01/2019	21396	IN-SITU, INC.	20111249	1012 · Bank of America Gen'l Ckg	
Bill	03/01/2019	20111249		20111249	7104.6 · Grdwtr Level-Supplies	29,721.21
TOTAL						29,721.21
Bill Pmt -Check	04/01/2019	21397	PIERSON, JEFFREY	Board and Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	02/01/2019	2/01 Board CC		2/01/19 Court hearing update conference call	6311 · Board Member Compensation	125.00
Bill	02/14/2019	2/14 Ag Pool Mtg		2/14/19 Ag Pool meeting	8411 · Ag Pool Member Compensation	25.00
				2/14/19 Ag Pool meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	02/20/2019	2/20 Board CC		2/20/19 Court hearing update conference call	6311 · Board Member Compensation	125.00
Bill	02/21/2019	2/21 Ag Pool Legal		2/21/19 Ag Pool Legal conference call	8411 · Ag Pool Member Compensation	25.00
				2/21/19 Ag Pool Legal conference call	8470 · Ag Meeting Attend -Special	100.00
Bill	02/26/2019	2/26 Board Agenda CC		2/26/19 Board Agenda call	6311 · Board Member Compensation	125.00
Bill	02/27/2019	2/27 Personnel Comm		2/27/19 Personnel Committee meeting	6311 · Board Member Compensation	125.00
Bill	02/28/2019	2/28 Board Mtg		2/28/19 Board meeting	6311 · Board Member Compensation	125.00
TOTAL						875.00
Bill Pmt -Check	04/01/2019	21398	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	03/22/2019	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	857.37
TOTAL						857.37
Bill Pmt -Check	04/01/2019	21399	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	
Bill	04/01/2019			Retiree Medical	60182.4 · Retiree Medical	25.87
TOTAL						25.87

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	04/01/2019	21400	VERIZON WIRELESS	9826072939	1012 · Bank of America Gen'l Ckg	
Bill	03/22/2019	9826072939		Acct #642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	100.08
TOTAL						100.08
Bill Pmt -Check	04/04/2019	ACH 040419	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
Bill	03/14/2019	1394905143		April 2019	60182.1 · Medical Insurance	8,907.70
TOTAL						8,907.70
General Journal	04/05/2019	19/04/02	ADP, LLC	ADP Payroll Service for 03/23/19	1012 · Bank of America Gen'l Ckg	
				ADP Payroll Service for 03/23/19	1012 · Bank of America Gen'l Ckg	155.50
TOTAL						155.50
Bill Pmt -Check	04/05/2019	21401	ACCENT COMPUTER SOLUTIONS, INC.	127084	1012 · Bank of America Gen'l Ckg	
Bill	04/02/2019			Monthly service - April 2019	6052.4 · IT Managed Services	3,680.00
				Overwatch - April 2019	6052.5 · IT Data Backup/Storage	699.00
				OmniCloud - April 2019	6052.5 · IT Data Backup/Storage	117.00
				Office 365 subscriptions - April 2019	6052.4 · IT Managed Services	99.60
				Image Office Storage (per GB, per month)	6052.5 · IT Data Backup/Storage	809.45
TOTAL						5,405.05
Bill Pmt -Check	04/05/2019	21402	APPLIED COMPUTER TECHNOLOGIES	3035	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019	3035		Database Consulting Services - March 2019	6052.2 · Applied Computer Technol	3,449.60
TOTAL						3,449.60
Bill Pmt -Check	04/05/2019	21403	BOWCOCK, ROBERT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/21/2019	3/21 OBMP LS3		3/21/19 OBMP Listening Session 3	6311 · Board Member Compensation	125.00
Bill	03/28/2019	3/28 Board Mtg		3/28/19 Board Mtg	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	04/05/2019	21404	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	753818		753818	6078 · BHFS Legal - Miscellaneous	28,853.10
				Angelica BK	6078 · BHFS Legal - Miscellaneous	53.10
				ELY 3 Basin/Kaiser	6078 · BHFS Legal - Miscellaneous	1,680.75
				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	86.93
Bill	02/28/2019	753819		457(f) Plan Regulations	6073 · BHFS Legal - Personnel Matters	7,634.25
Bill	02/28/2019	753820		753820	6907.34 · Santa Ana River Water Rights	400.95
Bill	02/28/2019	753821		753821	6275 · BHFS Legal - Advisory Committee	344.25

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	02/28/2019	753822		753822	6375 · BHFS Legal - Board Meeting	5,917.05
Bill	02/28/2019	753823		753823	8375 · BHFS Legal - Appropriative Pool	1,336.50
Bill	02/28/2019	753824		753824	8475 · BHFS Legal - Agricultural Pool	1,158.30
Bill	02/28/2019	753825		753825	8575 · BHFS Legal - Non-Ag Pool	1,158.30
Bill	02/28/2019	753826		753826	6071 · BHFS Legal - Court Coordination	1,654.20
				Delivery/Ground Transporation	6071 · BHFS Legal - Court Coordination	150.00
				Delivery/Ground Transporation	6071 · BHFS Legal - Court Coordination	150.00
Bill	02/28/2019	753827		753827	6077 · BHFS Legal - Party Status Maint	1,207.80
Bill	02/28/2019	753828		753828	6907.39 · Recharge Master Plan	490.05
Bill	02/28/2019	753829		753829	6907.41 · Prado Basin Habitat Sustain	490.05
Bill	02/28/2019	753830		753830	6907.42 · Initial Safe Yield Recalc	41,702.85
				Delivery/Ground Transporation	6907.42 · Initial Safe Yield Recalc	150.00
				Mileage/Parking Expense	6907.42 · Initial Safe Yield Recalc	120.11
				Delivery/Ground Transporation	6907.42 · Initial Safe Yield Recalc	150.00
				Delivery/Ground Transporation	6907.42 · Initial Safe Yield Recalc	150.00
Bill	02/28/2019	753831		753831	6907.44 · SGMA Compliance	1,069.20
Bill	02/28/2019	753832		753832	6907.45 · OBMP Update	7,294.05
				Mileage/Parking Expense	6907.45 · OBMP Update	78.28
TOTAL						103,519.21
P17						
Bill Pmt -Check	04/05/2019	21405	CD CATERING & EVENT SERVICES	8477	1012 · Bank of America Gen'l Ckg	
Bill	03/28/2019	8477		Lunch for 3/28/19 Watermaster Board meeting	6312 · Meeting Expenses	600.69
TOTAL						600.69
Bill Pmt -Check	04/05/2019	21406	CITY OF POMONA	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/14/2019	3/14 Appro Pool Mtg		Poulsen-3/14/19 Appropriative Pool meeting	6311 · Board Member Compensation	125.00
Bill	03/27/2019	3/27 Assessment Pkg		Poulsen-3/27/19 Assessment Package Review	6311 · Board Member Compensation	125.00
Bill	03/28/2019	3/28 Board Meeting		Poulsen-3/28/19 Board meeting	6311 · Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	04/05/2019	21407	DE BOOM, NATHAN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019	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
TOTAL						125.00
Bill Pmt -Check	04/05/2019	21408	JOHN J. SCHATZ	Appropriative Pool Legal Services	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019			Appropriative Pool Legal Services-February 2019	8367 · Legal Service	4,554.00
Bill	03/31/2019			Appropriative Pool Legal Services-March 2019	8367 · Legal Service	6,694.00
				Third Party Expenses	8367 · Legal Service	1,024.10
TOTAL						12,272.10

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	04/05/2019	21409	PHILADELPHIA INSURANCE COMPANY	2000619263	1012 · Bank of America Gen'l Ckg	
Bill	04/02/2019	2000619263		Commercial Umbrella Policy increase	6085 · Business Insurance Package	822.00
TOTAL						822.00
Bill Pmt -Check	04/05/2019	21410	PIETERSMA, RONALD	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/14/2019	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
TOTAL						125.00
Bill Pmt -Check	04/05/2019	21411	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	
Bill	03/28/2019	0023230253		Office Water Bottle - March 2019	6031.7 · Other Office Supplies	75.39
TOTAL						75.39
Bill Pmt -Check	04/05/2019	21412	RR FRANCHISING, INC.	69904	1012 · Bank of America Gen'l Ckg	
Bill	04/02/2019	69904		Monthly service April 2019	6024 · Building Repair & Maintenance	740.00
TOTAL						740.00
Bill Pmt -Check	04/05/2019	21413	STATE COMPENSATION INSURANCE FUND	1970970-18	1012 · Bank of America Gen'l Ckg	
Bill	04/02/2019	1970970-18		Monthly premium 3/26/19-4/26/19	60183 · Worker's Comp Insurance	552.42
TOTAL						552.42
Bill Pmt -Check	04/05/2019	21414	TELLEZ-FOSTER, EDGAR	Employee Reimbursement	1012 · Bank of America Gen'l Ckg	
Bill	04/02/2019			ETF Reimbursement-Ops Staff Meeting 4/02/19	6141.3 · Admin Meetings	78.98
TOTAL						78.98
Bill Pmt -Check	04/05/2019	21415	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019	7076224530355049		Vehicle Fuel Charges-March 2019	6175 · Vehicle Fuel	111.93
TOTAL						111.93
Bill Pmt -Check	04/05/2019	21416	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019	001017890001		Vision Insurance Premium - April 2019	60182.2 · Dental & Vision Ins	88.20
TOTAL						88.20
General Journal	04/06/2019	04/06/2019	Payroll and Taxes for 03/24/19 - 04/06/19	Payroll and Taxes for 03/24/19 - 04/06/19	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 03/24/19 - 04/06/19	1012 · Bank of America Gen'l Ckg	28,704.96
				Payroll and Taxes for 03/24/19 - 04/06/19	1012 · Bank of America Gen'l Ckg	9,705.20
			ICMA-RC	457(f) EE Deductions for 03/24/19 - 04/06/19	1012 · Bank of America Gen'l Ckg	5,166.72
			ICMA-RC	401(a) EE Deductions for 03/24/19 - 04/06/19	1012 · Bank of America Gen'l Ckg	1,481.89
TOTAL						45,058.77

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	04/10/2019	21417	ACCENT COMPUTER SOLUTIONS, INC.	127237	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019	127237		SRV2 hard drive replacements	6055 · Computer Hardware	213.28
TOTAL						<u>213.28</u>
Bill Pmt -Check	04/10/2019	21418	ACWA JOINT POWERS INSURANCE AUTHORITY	0606029	1012 · Bank of America Gen'l Ckg	
Bill	04/05/2019	0606029		Prepayment - May 2019	1409 · Prepaid Life, BAD&D & LTD	228.15
				April 2019	60191 · Life & Disab.Ins Benefits	228.15
TOTAL						<u>456.30</u>
Bill Pmt -Check	04/10/2019	21419	EGOSCUE LAW GROUP, INC.	12268	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019	12268		Ag Pool Legal Services - March 2019	8467 · Ag Legal & Technical Services	25,062.50
TOTAL						<u>25,062.50</u>
Bill Pmt -Check	04/10/2019	21420	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/14/2019	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	03/15/2019	3/15 Court Hearing		3/15/19 Court Hearing	8411 · Ag Pool Member Compensation	25.00
				3/15/19 Court Hearing	8470 · Ag Meeting Attend -Special	100.00
Bill	03/21/2019	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	03/21/2019	3/21 OBMP LS3		3/21/19 OBMP LS3	8411 · Ag Pool Member Compensation	25.00
				3/21/19 OBMP LS3	8470 · Ag Meeting Attend -Special	100.00
Bill	03/28/2019	3/28 Board Meeting		3/2/19 Board Meeting	8411 · Ag Pool Member Compensation	25.00
				3/28/19 Board Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						<u>625.00</u>
Bill Pmt -Check	04/10/2019	21421	FILIPPI, GINO	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/28/2019	3/28 Board Meeting		3/28/19 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						<u>125.00</u>
Bill Pmt -Check	04/10/2019	21422	FIRST LEGAL NETWORK LLC	40025889	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019	40025889		Court filings - 2/28, 3/01, 3/07 and 3/18	6061.5 · Court Filing Services	493.96
TOTAL						<u>493.96</u>
Bill Pmt -Check	04/10/2019	21423	PREMIERE GLOBAL SERVICES	27441292	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019	27441292		Personnel Committee call on 2/27	6013 · Human Resources Services	6.29
				Personnel Committee call on 2/27	6013 · Human Resources Services	6.30
				Personnel Committee call on 2/27	6013 · Human Resources Services	14.49
				Potential IEUA/CBWM Board Meeting call on 3/01	6312 · Meeting Expenses	6.28

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
				Non-Ag Pool Meeting call on 3/14	8512 · Meeting Expense	8.57
				Workshop training call on 3/19	6909.1 · OBMP Meetings	11.68
				Team debrief after hearing call on 3/21	6909.1 · OBMP Meetings	6.77
				Team debrief after hearing call on 3/21	6909.1 · OBMP Meetings	44.04
				Fee - General	6022 · Telephone	39.00
				Fee - Confidential	6022 · Telephone	39.00
				Personnel Committee call on 2/27	6013 · Human Resources Services	6.30
				WM Coordination call on 3/04	6909.1 · OBMP Meetings	18.82
				SY reset update to Board call on 3/06	6312 · Meeting Expenses	15.84
				Prep for March 15 hearing call on 3/11	6909.1 · OBMP Meetings	11.74
				WM Coordination call on 3/11	6909.1 · OBMP Meetings	6.29
				SY reset update to Board call on 3/13	6312 · Meeting Expenses	8.52
				Pool meetings check call on 3/13	8312 · Meeting Expenses	2.13
				Pool meetings check call on 3/13	8412 · Meeting Expenses	2.12
				Pool meetings check call on 3/13	8512 · Meeting Expense	2.13
				WM Coordination call on 3/18	6909.1 · OBMP Meetings	21.65
				Water storage call on 3/25	6909.1 · OBMP Meetings	26.29
				Call shortfalls	6022 · Telephone	78.00
				Service fee	6022 · Telephone	26.40
						408.65
P50						
TOTAL						
Bill Pmt -Check	04/10/2019	21424	WESTERN MUNICIPAL WATER DISTRICT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/21/2019	3/21 OBMP LS3		Galleano attendance-3/21/19 OBMP LS3	6311 · Board Member Compensation	125.00
Bill	03/28/2019	3/28 Board Meeting		Galleano attendance-3/28/19 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	04/10/2019	21425	YUKON DISPOSAL SERVICE	211391896	1012 · Bank of America Gen'l Ckg	
Bill	04/05/2019	2110391896		April 2019	6024 · Building Repair & Maintenance	117.14
TOTAL						117.14
Bill Pmt -Check	04/11/2019	ACH 041119	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	04/06/2019	04/06/2019	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 03/24/19 - 04/06/19	2000 · Accounts Payable	7,444.83
TOTAL						7,444.83
Check	04/15/2019	04/15/2019	Service Charge	Service Charge	1012 · Bank of America Gen'l Ckg	
				Service Charge	6039.1 · Banking Service Charges	603.39
TOTAL						603.39
Bill Pmt -Check	04/15/2019	21426	CORELOGIC INFORMATION SOLUTIONS	81955747	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019	81955747		81955747	7103.7 · Grdwtr Qual-Computer Svc	62.50

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
				81955747	7101.4 · Prod Monitor-Computer	62.50
TOTAL						125.00
Bill Pmt -Check	04/15/2019	21427	DE HAAN, HENRY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/14/2019	3/14 Ag Pool Meeting		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	03/14/2019	2/14 Ag Pool Meeting		2/14/19 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				2/14/19 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						250.00
Bill Pmt -Check	04/15/2019	21428	FEDAK & BROWN LLP	Audit Services	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019			Progress Billing - March 2019	6062 · Audit Services	1,050.00
TOTAL						1,050.00
Bill Pmt -Check	04/15/2019	21429	GEYE, BRIAN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/26/2019	3/26 Budget Wkshp		3/26/19 Budget Release Workshop	6311 · Board Member Compensation	125.00
TOTAL						125.00
P21 Bill Pmt -Check	04/15/2019	21430	HUITSING, JOHN	AG Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/14/2019	3/14 Ag Pool Meeting		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
TOTAL						125.00
Bill Pmt -Check	04/15/2019	21431	LOEB & LOEB LLP	1820550	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019	1820550		Non-Ag Pool Legal Services - March 2019	8567 · Non-Ag Legal Service	5,151.60
TOTAL						5,151.60
Bill Pmt -Check	04/15/2019	21432	PITNEY BOWES GLOBAL FINANCIAL SERVICE	3103049918	1012 · Bank of America Gen'l Ckg	
Bill	03/30/2019	3103049918		Postage meter lease	6044 · Postage Meter Lease	394.69
TOTAL						394.69
Bill Pmt -Check	04/15/2019	21433	PRINTING RESOURCES	65791	1012 · Bank of America Gen'l Ckg	
Bill	04/05/2019	65791		Business cards for J. Wilson	6031.7 · Other Office Supplies	96.44
TOTAL						96.44
General Journal	04/19/2019	04/19/2019	ADP, LLC	ADP Payroll Service for 04/06/19	1012 · Bank of America Gen'l Ckg	
				ADP Payroll Service for 04/06/19	1012 · Bank of America Gen'l Ckg	155.50
TOTAL						155.50
General Journal	04/20/2019	04/20/2019	Payroll and taxes for 04/07/19-04/20/19	Payroll and taxes for 04/07/19-04/20/19	1012 · Bank of America Gen'l Ckg	

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
				Diirect Deposits for 04/07/19-04/20/19	1012 · Bank of America Gen'l Ckg	29,015.64
				Payroll taxes for 04/07/19-04/20/19	1012 · Bank of America Gen'l Ckg	9,379.71
			ICMA-RC	457(f) EE Deductions for 04/07/19-04/20/19	1012 · Bank of America Gen'l Ckg	5,166.72
			ICMA-RC	401(a) EE Deductions for 04/07/19-04/20/19	1012 · Bank of America Gen'l Ckg	1,481.89
TOTAL						<u>45,043.96</u>
Bill Pmt -Check	04/24/2019	ACH 042419	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
Bill	04/01/2019	15626836		Annual Unfunded Accrued Liability Plan 3299	60180 · Employers PERS Expense	5,456.55
TOTAL						<u>5,456.55</u>
Bill Pmt -Check	04/24/2019	21434	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019	XXXX-XXXX-XXXX-9341		Overnight check to Great America Leasing	6042 · Postage - General	36.73
				Miscellaneous office supplies	6031.7 · Other Office Supplies	459.59
				Printer for office	6055 · Computer Hardware	474.09
				Miscellaneous office supplies	6031.7 · Other Office Supplies	349.44
				Software for listening sessions	6054 · Computer Software	60.00
				Lunch for HCP/USACE FS/EIR/EIS meeting	6909.1 · OBMP Meetings	113.00
				Flowers sent to Andy Malone after surgery	6141.1 · Meeting Supplies	86.18
				Business Management Daily subscription	6112 · Subscriptions/Publications	89.00
				Placards for office pictures	6031.7 · Other Office Supplies	62.60
				PK mtg w/Van Jew, John Bosler	8312 · Meeting Expenses	56.88
				Flowers sent to CFO wife	6141.1 · Meeting Supplies	80.43
				Popcorn sent to CFO wife	6141.1 · Meeting Supplies	42.99
				Lunch for OBMP Update Listening Session 3	6909.1 · OBMP Meetings	276.85
				Miscellaneous office supplies	6031.7 · Other Office Supplies	9.52
				Miscellaneous office supplies	6031.7 · Other Office Supplies	43.59
				Miscellaneous office supplies	6031.7 · Other Office Supplies	29.12
				Miscellaneous office supplies	6031.7 · Other Office Supplies	50.08
				PK trans.-CGC Board Mtg. & GRA Forum	6191 · Conferences - General	19.87
				PK trans.-CGC Board Mtg. & GRA Forum	6191 · Conferences - General	2.00
				Miscellaneous office supplies	6031.7 · Other Office Supplies	21.52
				PK at CGC Board Meeting and GRA Forum	6191 · Conferences - General	28.36
				Miscellaneous office supplies	6031.7 · Other Office Supplies	38.99
				PK at CGC Board Meeting and GRA Forum	6191 · Conferences - General	36.00
				Supplies for 3/28 Staff meeting	6141.3 · Admin Meetings	14.54
				Hotel-PK-CGC Board Mtg. and GRA Forum	6191 · Conferences - General	338.61
				Purchase badge maker for office	6055 · Computer Hardware	589.00
				PK to reimburse WM for travel expenses	6174 · Public Transportation	11.95
TOTAL						<u>3,420.93</u>

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	04/24/2019	21435	CLEAN TECH SERVICES	8083	1012 · Bank of America Gen'l Ckg	
Bill	04/09/2019	8083		Window cleaning, hard water spot remova	6024 · Building Repair & Maintenance	327.00
TOTAL						327.00
Bill Pmt -Check	04/24/2019	21436	CUCAMONGA VALLEY WATER DISTRICT	Office Lease	1012 · Bank of America Gen'l Ckg	
Bill	04/16/2019			Office lease due May 1, 2019	1422 · Prepaid Rent	6,866.54
TOTAL						6,866.54
Bill Pmt -Check	04/24/2019	21437	FRONTIER COMMUNICATIONS	909-484-3890-050914-5	1012 · Bank of America Gen'l Ckg	
Bill	04/16/2019	90948438900509145		Office fax	6022 · Telephone	146.99
TOTAL						146.99
Bill Pmt -Check	04/24/2019	21438	GREAT AMERICA LEASING CORP.	24620826	1012 · Bank of America Gen'l Ckg	
Bill	04/16/2019	24620826		Invoice for April 2019	6043.1 · Ricoh Lease Fee	2,661.62
TOTAL						2,661.62
Bill Pmt -Check	04/24/2019	21439	LEGAL SHIELD	0111802	1012 · Bank of America Gen'l Ckg	
Bill	04/15/2019	0111802		Employee deductions - April 2019	60194 · Other Employee Insurance	51.80
TOTAL						51.80
Bill Pmt -Check	04/24/2019	21440	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	
Bill	05/01/2019			Retiree Medical	60182.4 · Retiree Medical	25.87
TOTAL						25.87
Bill Pmt -Check	04/24/2019	21441	VERIZON WIRELESS	9827499278	1012 · Bank of America Gen'l Ckg	
Bill	04/16/2019	9827499278		Acct #470810953-00001	6022 · Telephone	297.53
TOTAL						297.53
Bill Pmt -Check	04/26/2019	ACH 042619	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	04/20/2019	04/20/2019	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 04/07/19-04/20/19	2000 · Accounts Payable	7,444.83
TOTAL						7,444.83
Bill Pmt -Check	04/29/2019	21442	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019	2019077		2019077	7510 · PE6&7-IEUA Salinity Mgmt. Plan	628.00
Bill	03/31/2019	2019078		2019078	6906.31 · OBMP-Pool, Adv. Board Mtgs	5,012.03
Bill	03/31/2019	2019079		2019079	6906.32 · OBMP-Other General Meetings	3,507.70
Bill	03/31/2019	2019080		2019080	6906.71 · OBMP-Data Req.-CBWM Staff	25,607.25
Bill	03/31/2019	2019081		2019081	6906.23 · SGMA Reporting Requirements	794.80
Bill	03/31/2019	2019082		2019082	6906 · OBMP Engineering Services	7,232.86
Bill	03/31/2019	2019083		2019083	6906.24 · Compliance-SWRCB	2,289.20

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	03/31/2019	2019084		2019084	6906.26 · 2019 OBMP Update	29,135.96
Bill	03/31/2019	2019085		2019085	6906.73 · OBMP-2020 Safe Yield Recalc	82,827.10
Bill	03/31/2019	2019086		2019086	6906.15 · Integrated Model Mtgs-IEUA Cost	472.00
Bill	03/31/2019	2019087		2019087	6906.21 · State of the Basin Report	11,591.80
Bill	03/31/2019	2019088		2019088	7103.3 · Grdwtr Qual-Engineering	7,034.81
Bill	03/31/2019	2019089		2019089	7104.3 · Grdwtr Level-Engineering	22,808.07
Bill	03/31/2019	2019090		2019090	7107.2 · Grd Level-Engineering	2,104.69
				WSP USA Inc.	7107.6 · Grd Level-Contract Svcs	976.92
Bill	03/31/2019	2019091		Neva Ridge Technologies, Inc.	7107.3 · Grd Level-SAR Imagery	17,000.00
Bill	03/31/2019	2019092		2019092	7402 · PE4-Engineering	938.00
Bill	03/31/2019	2019093		2019093	7402.10 · PE4 - Northwest MZ1 Area Proj.	15,433.25
Bill	03/31/2019	2019094		2019094	7108.31 · Hydraulic Control - PBHSP	28,695.85
Bill	03/31/2019	2019095		2019095	7202.2 · Engineering Svc	53.10
Bill	03/31/2019	2019096		2019096	7502 · PE6&7-Engineering	22,052.55
Bill	03/31/2019	2019097		2019097	6906.16 · CBEWP-100% IEUA Cost	1,817.18
TOTAL						<u>288,013.12</u>
General Journal	04/30/2019	04/30/2019	Wage Works FSA Direct Debits - April 2019	Wage Works FSA Direct Debits - April 2019	1012 · Bank of America Gen'l Ckg	
				Wage Works FSA Direct Debits - April 2019	1012 · Bank of America Gen'l Ckg	509.60
				Wage Works FSA Direct Debits - April 2019	1012 · Bank of America Gen'l Ckg	509.60
				Wage Works FSA Direct Debits - April 2019	1012 · Bank of America Gen'l Ckg	509.60
				Wage Works FSA Direct Debits - April 2019	1012 · Bank of America Gen'l Ckg	76.25
TOTAL						<u>1,605.05</u>
					Total Disbursements:	<u><u>629,673.34</u></u>

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CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: June 12, 2019 (OAP)
June 13, 2019 (AP and ONAP)

TO: Pool Committee Members

SUBJECT: VISA Check Detail Report - Financial Report B2 (April 30, 2019)

SUMMARY

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

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

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

Future Consideration

Agricultural Pool – June 12, 2019: Receive and File
Appropriative Pool – June 13, 2019: Receive and File
Non-Agricultural Pool – June 13, 2019: Receive and File
Advisory Committee – June 20, 2019: Receive and File
Watermaster Board – June 27, 2019: Receive and File (Normal Course of Business)

ACTIONS:

Agricultural Pool – June 12, 2019:
Appropriative Pool – June 13, 2019:
Non-Agricultural Pool – June 13, 2019:
Advisory Committee – June 20, 2019:
Watermaster Board – June 27, 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 April 2019 was \$3,420.93. The payment was processed in the amount of \$3,420.93 (by check number 21434 dated April 24, 2019). The monthly charges for April 2019 of \$3,420.93 were for routine and customary expenditures and properly documented with receipts.

ATTACHMENTS

1. Financial Report - B2

CHINO BASIN WATERMASTER
VISA Check Detail Report
April 2019

Type	Num	Date	Name	Memo	Account	Paid Amount
Bill Pmt -Check	04/24/2019	21434	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2019	XXXX-XXXX-XXXX-9341		Overnight check to Great America Leasing	6042 · Postage - General	36.73
				Miscellaneous office supplies	6031.7 · Other Office Supplies	459.59
				Printer for office	6055 · Computer Hardware	474.09
				Miscellaneous office supplies	6031.7 · Other Office Supplies	349.44
				Software for listening sessions	6054 · Computer Software	60.00
				Lunch for HCP/USACE FS/EIR/EIS meeting	6909.1 · OBMP Meetings	113.00
				Flowers sent to Andy Malone after surgery	6141.1 · Meeting Supplies	86.18
				Business Management Daily subscription	6112 · Subscriptions/Publications	89.00
				Placards for office pictures	6031.7 · Other Office Supplies	62.60
				PK mtg w/Van Jew, John Bosler	8312 · Meeting Expenses	56.88
				Flowers sent to CFO wife	6141.1 · Meeting Supplies	80.43
				Popcorn sent to CFO wife	6141.1 · Meeting Supplies	42.99
				Lunch for OBMP Update Listening Session 3	6909.1 · OBMP Meetings	276.85
				Miscellaneous office supplies	6031.7 · Other Office Supplies	9.52
				Miscellaneous office supplies	6031.7 · Other Office Supplies	43.59
				Miscellaneous office supplies	6031.7 · Other Office Supplies	29.12
				Miscellaneous office supplies	6031.7 · Other Office Supplies	50.08
				PK trans.-CGC Board Mtg. & GRA Forum	6191 · Conferences - General	19.87
				PK trans.-CGC Board Mtg. & GRA Forum	6191 · Conferences - General	2.00
				Miscellaneous office supplies	6031.7 · Other Office Supplies	21.52
				PK at CGC Board Meeting and GRA Forum	6191 · Conferences - General	28.36
				Miscellaneous office supplies	6031.7 · Other Office Supplies	38.99
				PK at CGC Board Meeting and GRA Forum	6191 · Conferences - General	36.00
				Supplies for 3/28 Staff meeting	6141.3 · Admin Meetings	14.54
				Hotel-PK-CGC Board Mtg. and GRA Forum	6191 · Conferences - General	338.61
				Purchase badge maker for office	6055 · Computer Hardware	589.00
				PK to reimburse WM for travel expenses	6174 · Public Transportation	11.95
					Total Disbursements:	<u>3,420.93</u>

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TOTAL

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CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: June 12, 2019 (OAP)
June 13, 2019 (AP and ONAP)

TO: Pool Committee Members

SUBJECT: Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through April 30, 2019 - Financial Report B3 (April 30, 2019)

SUMMARY

Issue: Record of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through April 30, 2019.

Recommendation: Receive and file Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through April 30, 2019 as presented.

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

Future Consideration

Agricultural Pool – June 12, 2019: Receive and File
Appropriative Pool – June 13, 2019: Receive and File
Non-Agricultural Pool – June 13, 2019: Receive and File
Advisory Committee – June 20, 2019: Receive and File
Watermaster Board – June 27, 2019: Receive and File (Normal Course of Business)

ACTIONS:

Agricultural Pool – June 12, 2019:
Appropriative Pool – June 13, 2019:
Non-Agricultural Pool – June 13, 2019:
Advisory Committee – June 20, 2019:
Watermaster Board – June 27, 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 April 30, 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 APRIL 30, 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	222								222	0
Total Revenues	167,934	-	8,451,853	8,820	393,791	-	-	-	9,022,397	8,887,225
Administrative & Project Expenditures:										
Watermaster Administration	1,579,214								1,579,214	1,337,141
Watermaster Board-Advisory Committee	165,296								165,296	226,519
Ag Pool Misc. Expense - Ag Fund				-					-	400
Pool Administration			119,274	354,845	126,044				600,163	624,643
Optimum Basin Mgmt Administration		1,583,785							1,583,785	2,273,267
OBMP Project Costs		3,932,336							3,932,336	5,503,869
Debt Service		580,585							580,585	580,585
Basin Recharge Improvements		1,417,518							1,417,518	3,068,941
Total Administrative/OBMP Expenses	1,744,510	7,514,224	119,274	354,845	126,044	-	-	-	9,858,897	13,615,365
Net Administrative/OBMP Expenses	(1,576,576)	(7,514,224)								
Allocate Net Admin Expenses To Pools	<u>1,576,576</u>		1,107,482	410,092	59,002				-	
Allocate Net OBMP Expenses To Pools		5,516,121	3,874,857.19	1,434,828	206,435.71				-	
Allocate Debt Service to App Pool		580,585	580,585						-	
Allocate Basin Recharge to App Pool		<u>1,417,518</u>	1,417,518						-	
Agricultural Expense Transfer*			2,199,765	(2,199,765)					-	
Total Expenses			9,299,481	-	391,482	-	-	-	9,858,897	13,615,365
Net Administrative Income			(847,628)	8,820	2,309	-	-	-	(836,500)	(4,728,140)
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			-						-	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
Net Other Income/(Expense)			73,268	-	-	315,079	-	-	388,347	0
Net Transfers To/(From) Reserves		(448,153)	(774,360)	8,820	2,309	315,079	-	-	(448,153)	(4,728,140)
Net Assets, July 1, 2018			9,661,977	493,108	80,791	(4,534)	(20,461)	(443,445)	9,767,436	
Net Assets, End of Period			8,887,617	501,928	83,100	310,545	(20,461)	(443,445)	9,319,283	9,319,283
17/18 Assessable Production			76,859.928	28,460.605	4,094.766				109,415.299	
17/18 Production Percentages			70.246%	26.012%	3.742%				100.000%	

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

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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: June 12, 2019 (OAP)
June 13, 2019 (AP and ONAP)

TO: Pool Committee Members

SUBJECT: Treasurer's Report of Financial Affairs for the Period April 1, 2019 through April 30, 2019 -
Financial Report B4 (April 30, 2019)

SUMMARY

Issue: Record of increases or decreases in the cash position, assets and liabilities of Watermaster for the Period of April 1, 2019 through April 30, 2019.

Recommendation: Receive and file Treasurer's Report of Financial Affairs for the Period April 1, 2019 through April 30, 2019 as presented.

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

Future Consideration

Agricultural Pool – June 12, 2019: Receive and File
Appropriative Pool – June 13, 2019: Receive and File
Non-Agricultural Pool – June 13, 2019: Receive and File
Advisory Committee – June 20, 2019: Receive and File
Watermaster Board – June 27, 2019: Receive and File (Normal Course of Business)

ACTIONS:

Agricultural Pool – June 12, 2019:
Appropriative Pool – June 13, 2019:
Non-Agricultural Pool – June 13, 2019:
Advisory Committee – June 20, 2019:
Watermaster Board – June 27, 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 April 1, 2019 through April 30, 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
APRIL 1, 2019 THROUGH APRIL 30, 2019**

Financial Report - B4

DEPOSITORIES:

Cash on Hand - Petty Cash		\$	500
Bank of America			
Governmental Checking-Demand Deposits	\$	313,543	
Zero Balance Account - Payroll		-	313,543
Trust Account - County of San Bernardino			845
Local Agency Investment Fund - Sacramento			11,276,068
<hr/>			
TOTAL CASH IN BANKS AND ON HAND	4/30/2019		\$ 11,590,957
TOTAL CASH IN BANKS AND ON HAND	3/31/2019		11,977,084
<hr/>			
PERIOD INCREASE (DECREASE)			\$ (386,128)

CHANGE IN CASH POSITION DUE TO:

Decrease/(Increase) in Assets: Accounts Receivable		\$	82,863
Assessments Receivable			131,000
Prepaid Expenses, Deposits & Other Current Assets			8,527
(Decrease)/Increase in Liabilities: Accounts Payable			375,852
Accrued Payroll, Payroll Taxes & Other Current Liabilities			10,708
Long Term Liabilities			8,492
Transfer to/(from) Reserves			(1,003,569)
<hr/>			
PERIOD INCREASE (DECREASE)			\$ (386,128)

P35

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 3/31/2019	\$ 500	\$ 205,041	\$ -	\$ 845	\$ 11,770,698	\$ 11,977,084
Deposits	-	738,176	-	-	80,370	818,546
Transfers	-	(126,636)	(81,876)	-	(575,000)	(783,513)
Withdrawals/Checks	-	(503,037)	81,876	-	-	(421,161)
<hr/>						
Balances as of 4/30/2019	\$ 500	\$ 313,543	\$ -	\$ 845	\$ 11,276,068	\$ 11,590,957
<hr/>						
PERIOD INCREASE OR (DECREASE)	\$ -	\$ 108,502	\$ -	\$ -	\$ (494,630)	\$ (386,128)

**CHINO BASIN WATERMASTER
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD
APRIL 1, 2019 THROUGH APRIL 30, 2019**

INVESTMENT TRANSACTIONS

Effective Date	Transaction	Depository	Activity	Redeemed	Days to Maturity	Interest Rate(*)	Maturity Yield
4/8/2019	Withdrawal		(575,000)				
4/15/2019	Interest		80,370				
TOTAL INVESTMENT TRANSACTIONS			\$ (494,630)	\$0			

* 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
April 30, 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	\$ 11,276,068			
TOTAL INVESTMENTS	\$ 11,276,068			

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



CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: June 12, 2019 (OAP)
June 13, 2019 (AP and ONAP)

TO: Pool Committee Members

SUBJECT: Budget vs. Actual Report for the Period July 1, 2018 through April 30, 2019 -
Financial Report B5 (April 30, 2019)

SUMMARY

Issue: Record of revenues and expenses of Watermaster for the Period of July 1, 2018 through April 30, 2019.

Recommendation: Receive and file Budget vs. Actual Report for the Period July 1, 2018 through April 30, 2019 as presented.

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

Future Consideration

Agricultural Pool – June 12, 2019: Receive and File
Appropriative Pool – June 13, 2019: Receive and File
Non-Agricultural Pool – June 13, 2019: Receive and File
Advisory Committee – June 20, 2019: Receive and File
Watermaster Board – June 27, 2019: Receive and File (Normal Course of Business)

ACTIONS:

Agricultural Pool – June 12, 2019:
Appropriative Pool – June 13, 2019:
Non-Agricultural Pool – June 13, 2019:
Advisory Committee – June 20, 2019:
Watermaster Board – June 27, 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 April 30, 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 – APRIL 2019

Year-To-Date (YTD) for the ten months ending April 30, 2019, all but six 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 \$49,583 or 5.6% 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 \$261,870 or 201.4% 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) Appropriative Pool Administration expenses (8300's) over budget by \$2,512 or 2.2% as a result of increased legal activities by the Appropriative Pool attorney for the months of July 2018 through March 2019; (5) Agricultural Pool Legal Services (8467's) over budget by \$124,008 or 72.6% as a result of increased legal activities performed by the Agricultural Pool's attorney during the months of July 2018 through March 2019; and (6) Non-Agricultural Pool Administration expenses (8500's) over budget by \$5,732 or 4.8% as a result of increased legal activities performed by the Non-Agricultural Pool's attorney during the months of July 2018 through March 2019.

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 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.

The Budget Amendment and/or Budget Transfer Form is scheduled for Pool, Advisory Committee, and Board approval during the meeting month of August 2019. By presenting the Budget Amendment and/or Budget Transfer Form 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/or Budget Transfer Form 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 \$2,677,981 or 21.4% below the (YTD) Budgeted Expenses of \$3,346,862.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

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 – APRIL 2019

As of April 30, 2019, the total (YTD) Watermaster salary expenses were \$60,517 or 3.8% below the (YTD) budgeted amount of \$1,590,327. The overall staffing budget was developed with a staffing level of ten Full-Time Equivalents (FTE's), and staffing is currently at ten Full-Time Equivalents (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 April 30, 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 - Apr '19</u> <u>Actual</u>	<u>Jul '18 - Apr '19</u> <u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>	<u>FY 2018/19</u> <u>Annual Budget</u>
WM Salary Expense					
6011 · WM Staff Salaries	964,227.50	828,907.00	135,320.50	116.33%	993,161.00
6011.1 · WM Staff Salaries - Overtime	9,990.41	0.00	9,990.41	100.0%	0.00
6011.4 · 457(f) NQDC Plan	23,806.67	30,244.00	-6,437.33	78.72%	37,034.00
6017 · Temporary Services	0.00	17,500.00	-17,500.00	0.0%	21,000.00
6201 · Advisory Committee - WM Staff Salaries	18,480.53	21,082.00	-2,601.47	87.66%	25,259.00
6301 · Watermaster Board - WM Staff Salaries	31,112.77	33,737.00	-2,624.23	92.22%	40,422.00
8301 · Appropriative Pool - WM Staff Salaries	33,319.07	31,362.00	1,957.07	106.24%	37,577.00
8401 · Agricultural Pool - WM Staff Salaries	18,365.14	26,565.00	-8,199.86	69.13%	31,829.00
8501 · Non-Agricultural Pool - WM Staff Salaries	14,548.78	18,121.00	-3,572.22	80.29%	21,712.00
6901 · OBMP - WM Staff Salaries	64,834.63	117,623.00	-52,788.37	55.12%	140,931.00
7101.1 · Production Monitor - WM Staff Salaries	49,809.29	53,495.00	-3,685.71	93.11%	64,095.00
7102.1 · In-line Meter - WM Staff Salaries	0.00	15,572.00	-15,572.00	0.0%	18,657.00
7103.1 · Grdwater Quality - WM Staff Salaries	24,288.86	59,930.00	-35,641.14	40.53%	71,806.00
7104.1 · Grdwater Level - WM Staff Salaries	67,585.15	52,977.00	14,608.15	127.58%	63,475.00
7107.1 · GrdLevel Monitoring - WM Staff Salaries	2,304.17	4,415.00	-2,110.83	52.19%	5,290.00
7108.1 · Hydraulic Control - WM Staff Salaries	193.52	3,351.00	-3,157.48	5.78%	4,015.00
7108.11 · Prado Basin - WM Staff Salaries	0.00	4,562.00	-4,562.00	0.0%	5,466.00
7201 · Comp Recharge - WM Staff Salaries	47,823.05	48,811.00	-987.95	97.98%	58,482.00
7301 · PE3&5 - WM Staff Salaries	1,474.40	3,499.00	-2,024.60	42.14%	4,174.00
7401 · PE4 - WM Staff Salaries	18,050.06	18,278.00	-227.94	98.75%	21,919.00
7501 · PE6&7 - WM Staff Salaries	2,285.31	4,664.00	-2,378.69	49.0%	5,588.00
7501.1 · PE 6&7 - WM Staff Salaries (Plume)	0.00	4,110.00	-4,110.00	0.0%	4,925.00
7601 · PE8&9 - WM Staff Salaries	6,429.62	17,819.00	-11,389.38	36.08%	21,350.00
Subtotal WM Staff Costs	1,398,928.93	1,416,624.00	-17,695.07	98.75%	1,698,167.00
60185 · Vacation	62,791.39	64,322.00	-1,530.61	97.62%	77,067.00
60186 · Sick Leave	16,866.08	45,617.00	-28,750.92	36.97%	54,656.00
60187 · Holidays	51,223.68	63,764.00	-12,540.32	80.33%	68,319.00
Subtotal WM Paid Leaves	130,881.15	173,703.00	-42,821.85	75.35%	200,042.00
Total WM Salary Costs	1,529,810.08	1,590,327.00	-60,516.92	96.2%	1,898,209.00

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 – APRIL 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 April 30, 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 \$103,319 or 12.9% above the (YTD) budgeted amount of \$801,791.

WATERMASTER ADMINISTRATIVE LEGAL SERVICES:

Overall, the Watermaster Administrative Legal Services expense (6070's) as of April 30, 2019, was \$261,870 or 201.4% above the budgeted amount of \$130,012. The specific items within the Administrative Legal Services expenses (6070's) which were over budget were Court Coordination (6071) over budget by \$31,096 or 85.4%; Personnel Matters (6073) which were over budget by \$32,792 or 397.5%; Party Status Maintenance (6077) which were over budget by \$7,058 or 46.7%; the Miscellaneous Category (6078) which were over budget by \$211,777 or 672.3%; the Assessment Packages-Updates (6078.13) which were over budget by \$7,258 or 100%; and the Ely Basin Investigation (6078.25) which were over budget by \$7,412 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 \$5,823 or 64.5%; and Interagency Issues (6074) under budget by \$29,700 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 April 30, 2019 was \$39,757 or 24.9% below the budgeted amount of \$159,863. 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 April 30, 2019, the category of OBMP legal expenses were \$118,794 or 23.2% below the budgeted amount of \$511,916. The majority of expenses within this OBMP category were under budget (YTD), however, the Recharge Master Plan expenses (6907.39) were over budget by \$2,102 or 5.3%; the Safe Yield Recalculation legal expenses (6907.42) were over budget by \$165,799 or 174.5%; and the Upper SAR Integrated Model expenses (6907.46) were over budget by \$551 or 100%.

The table listed below summarizes the Brownstein Hyatt Farber Schreck (BHFS) expenses as of April 30, 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 - Apr '19 Actual	Jul '18 - Apr '19 Budget	\$ Over Budget	% of Budget	FY 2018/19 Annual Budget
6070 · Watermaster Legal Services					
6071 · BHFS Legal - Court Coordination	67,512.18	36,416.00	31,096.18	185.39%	43,700.00
6072 · BHFS Legal - Rules & Regulations	3,198.15	9,021.00	-5,822.85	35.45%	10,825.00
6073 · BHFS Legal - Personnel Matters	41,042.48	8,250.00	32,792.48	497.49%	9,900.00
6074 · BHFS Legal - Interagency Issues	0.00	29,700.00	-29,700.00	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	15,125.00	7,057.72	146.66%	18,150.00
6078 · BHFS Legal - Miscellaneous (Note 1)	243,277.22	31,500.00	211,777.22	772.31%	37,800.00
6078.13 · BHFS - Assessment Packages-Updates	7,257.60	0.00	7,257.60	100.0%	0.00
6078.25 · BHFS - Ely # Basin Investigation	7,411.95	0.00	7,411.95	100.0%	0.00
Total 6070 · Watermaster Legal Services	391,882.30	130,012.00	261,870.30	301.42%	156,015.00
6275 · BHFS Legal - Advisory Committee	14,321.03	17,820.00	-3,498.97	80.37%	21,780.00
6375 · BHFS Legal - Board Meeting	64,537.79	63,180.00	1,357.79	102.15%	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	14,662.66	22,275.00	-7,612.34	65.83%	27,225.00
8475 · BHFS Legal - Agricultural Pool	13,284.49	22,275.00	-8,990.51	59.64%	27,225.00
8575 · BHFS Legal - Non-Ag Pool	13,299.59	22,275.00	-8,975.41	59.71%	27,225.00
Total BHFS Legal Services	120,105.56	159,863.00	-39,757.44	75.13%	192,713.00
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	10,937.00	-10,937.00	0.0%	13,125.00
6907.32 · Chino Airport Plume	4,765.23	10,937.00	-6,171.77	43.57%	13,125.00
6907.33 · Desalter/Hydraulic Control	1,743.43	19,687.00	-17,943.57	8.86%	23,625.00
6907.34 · Santa Ana River Water Rights	11,304.33	13,563.00	-2,258.67	83.35%	16,275.00
6907.36 · Santa Ana River Habitat	9,745.67	36,084.00	-26,338.33	27.01%	43,300.00
6907.38 · Reg. Water Quality Cntrl Board	212.40	13,125.00	-12,912.60	1.62%	15,750.00
6907.39 · Recharge Master Plan	41,601.94	39,500.00	2,101.94	105.32%	47,400.00
6907.40 · Storage Agreements	19,055.58	77,000.00	-57,944.42	24.75%	92,400.00
6907.41 · Prado Basin Habitat Sustainability	4,556.24	13,542.00	-8,985.76	33.65%	16,250.00
6907.42 · Safe Yield Recalculation	260,798.66	95,000.00	165,798.66	274.53%	114,000.00
6907.44 · SGMA Compliance	11,051.84	65,750.00	-54,698.16	16.81%	78,900.00
6907.45 · OBMP Update	27,735.77	90,166.00	-62,430.23	30.76%	108,200.00
6907.46 · Upper SAR Integrated Model	550.80	0.00	550.80	100.0%	0.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	26,625.00	-26,625.00	0.0%	31,950.00
Total 6907 · WM Legal Counsel	393,121.89	511,916.00	-118,794.11	76.79%	614,300.00
Total Brownstein, Hyatt, Farber, Schreck Costs	905,109.75	801,791.00	103,318.75	112.89%	963,028.00

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) 40th 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 – APRIL 2019

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

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

OBMP Watermaster Staff and SAWPA, OBMP Engineering Services, OBMP Legal Costs, and OBMP Other Expenses) for the ten months ending April 30, 2019, the actual expenses of \$1,545,002 were below the budgeted amount of \$1,795,249 by \$250,247 or 14.0%. For a detailed discussion, the following is provided.

For April 30, 2019, the accounts 6901-6903 (Optimum Basin Mgmt. Program) section was below the Year-To-Date (YTD) budget by \$53,109 or 42.7%. 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 \$52,788 or 44.9%. 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 April 30, 2019.

For April 30, 2019, the accounts 6906 (Optimum Basin Mgmt. Program Engineering Services) section was below the Year-To-Date (YTD) budget by \$77,224 or 6.7%. The majority of expenses within this OBMP category were under budget (YTD), however, the accounts which were over budget were as follows: the 2019 OBMP Update expenses (6906.26) which were over budget by \$1,670 or 1.3%; the OBMP-Data Requests-CBWM Staff expenses (6906.71) which were over budget by \$60,598 or 72.7%; 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 \$11,765 or 26.0%.

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 \$168,452 while some other line item activities were below the budget by \$287,246. Above the budget line item were the Recharge Master Plan expenses of \$2,102; the Safe Yield Recalculation expenses of \$165,799; and the Upper SAR Integrated Model expenses of \$551. The individual legal projects/activities that were below budget for the Year-To-Date (YTD) period were the Archibald South Plume of \$10,937; the Chino Airport Plume of \$6,172; the Desalter/Hydraulic Control of \$17,944; the Santa Ana River Water Rights of \$2,259; the Santa Ana River Habitat of \$26,338; the Regional Water Quality Control Board of \$12,913; Storage Agreements of \$57,944; the Prado Basin Habitat Sustainability of \$8,986; SGMA Compliance of \$54,698; OBMP Update of \$62,430; and the WM Unanticipated legal expenses of \$26,625. For the ten months ended April 30, 2019, the overall cumulative (YTD) budget was \$511,916 and the actual (BHFS) legal expenses totaled \$393,122 which resulted in an under-budget variance of \$118,794 or 23.2%.

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 April 30, 2019, this category of expenses was \$1,119 or 15.8% below the budgeted amount of \$7,082.

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 April 30, 2019, this category of expenses was fully invoiced in the amount of \$0 to IEUA.

Overall, the Optimum Basin Management Program (OBMP) category was \$1,545,002 compared to a (YTD) budget of \$1,795,249 for an under budget of \$250,247 or 14.0% as of April 30, 2019.

The table listed below summarizes the Optimum Basin Management Program (OBMP) expenses as of April 30, 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 - Apr '19 Actual	Jul '18 - Apr '19 Budget	\$ Over Budget	% of Budget	FY 2018/19 Annual Budget
6900 · Optimum Basin Mgmt Plan					
6901 · WM Staff Salaries	64,834.63	117,623.00	-52,788.37	55.12%	140,931.00
6903 · OBMP SAWPA Group	6,421.00	6,742.00	-321.00	95.24%	6,742.00
Total 6901-6903 · OBMP WM Staff/SAWPA	71,255.63	124,365.00	-53,109.37	57.3%	147,673.00
6906 · OBMP Engineering Services					
6906.1 · OBMP - Watermaster Model Update	42,711.70	48,786.00	-6,074.30	87.55%	58,544.00
6906.15 · Integrated Model Mtgs. - IEUA Costs	14,907.35	16,634.00	-1,726.65	89.62%	19,960.00
6906.21 · State of the Basin Report	131,091.10	132,018.00	-926.90	99.3%	158,422.00
6906.22 · Water Rights Compliance Reporting	16,415.35	21,375.00	-4,959.65	76.8%	25,650.00
6906.23 · SGMA Reporting Requirements	7,253.30	11,250.00	-3,996.70	64.47%	13,500.00
6906.24 · Compliance - SB88 and SWRCB	5,338.10	6,744.00	-1,405.90	79.15%	8,092.00
6906.26 · 2019 OBMP Update	134,063.86	132,394.00	1,669.86	101.26%	158,872.00
6906.27 · HCP Meetings/Tech. Review-IEUA Cost	602.20	14,842.00	-14,239.80	4.06%	17,810.00
6906.28 · Agriculture Prod. & Estimation	0.00	18,710.00	-18,710.00	0.0%	22,452.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	67,518.56	81,635.00	-14,116.44	82.71%	97,962.00
6906.32 · OBMP - Other General Meetings	43,941.14	67,577.00	-23,635.86	65.02%	81,093.00
6906.71 · OBMP - Data Requests - CBWM Staff	143,968.45	83,370.00	60,598.45	172.69%	100,044.00
6906.72 · OBMP - Data Requests - Non CBWM	26,932.36	26,956.00	-23.64	99.91%	32,348.00
6906.73 · OBMP - Safe Yield Recalculation	303,846.45	339,070.00	-35,223.55	89.61%	406,884.00
6906.74 · OBMP - Mat'l Phy. Injury Requests	1,881.40	59,973.00	-58,091.60	3.14%	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	16,248.00	-3,385.80	79.16%	19,498.00
6906.9 · OBMP - 2018 RMPU Master Update	57,094.63	45,330.00	11,764.63	125.95%	54,396.00
6906 · OBMP Engineering Services - Other	23,404.36	28,974.00	-5,569.64	80.78%	34,768.00
Total 6906 · OBMP Engineering Services	1,074,661.95	1,151,886.00	-77,224.05	93.3%	1,382,262.00
6907 · OBMP Legal Fees					
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	10,937.00	-10,937.00	0.0%	13,125.00
6907.32 · Chino Airport Plume	4,765.23	10,937.00	-6,171.77	43.57%	13,125.00
6907.33 · Desalter/Hydraulic Control	1,743.43	19,687.00	-17,943.57	8.86%	23,625.00
6907.34 · Santa Ana River Water Rights	11,304.33	13,563.00	-2,258.67	83.35%	16,275.00
6907.36 · Santa Ana River Habitat	9,745.67	36,084.00	-26,338.33	27.01%	43,300.00
6907.38 · Reg. Water Quality Cntrl Board	212.40	13,125.00	-12,912.60	1.62%	15,750.00
6907.39 · Recharge Master Plan	41,601.94	39,500.00	2,101.94	105.32%	47,400.00
6907.40 · Storage Agreements	19,055.58	77,000.00	-57,944.42	24.75%	92,400.00
6907.41 · Prado Basin Habitat Sustainability	4,556.24	13,542.00	-8,985.76	33.65%	16,250.00
6907.42 · Safe Yield Recalculation	260,798.66	95,000.00	165,798.66	274.53%	114,000.00
6907.44 · SGMA Compliance	11,051.84	65,750.00	-54,698.16	16.81%	78,900.00
6907.45 · OBMP Update	27,735.77	90,166.00	-62,430.23	30.76%	108,200.00
6907.46 · Upper SAR Integrated Model	550.80	0.00	550.80	100.0%	0.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	26,625.00	-26,625.00	0.0%	31,950.00
Total 6907 · WM Legal Counsel	393,121.89	511,916.00	-118,794.11	76.79%	614,300.00
Total 6907 · OBMP Legal Fees	393,121.89	511,916.00	-118,794.11	76.79%	614,300.00
6909 · OBMP Other Expenses					
6909.1 · OBMP Meetings	4,551.01	1,250.00	3,301.01	364.08%	1,500.00
6909.3 · Other OBMP Expenses	1,391.00	1,666.00	-275.00	83.49%	2,000.00
6909.6 · OBMP Expenses - Miscellaneous	0.00	4,166.00	-4,166.00	0.0%	5,000.00
6909 · OBMP Other Expenses - Other	20.73	0.00	20.73	100.0%	0.00
Total 6909 · OBMP Other Expenses	5,962.74	7,082.00	-1,119.26	84.2%	8,500.00
6910 · WEI Support for IEUA					
6910.50 · WEI Support for IEUA-Billings	0.00	0.00	0.00	0.0%	0.00
Total 6910 · WEI Support for IEUA	0.00	0.00	0.00	0.0%	0.00
Total 6900 · Optimum Basin Mgmt Plan	1,545,002.21	1,795,249.00	-250,246.79	86.06%	2,152,735.00

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PREVIOUSLY REPORTED ACTIONS (Descending Order)
None

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

CURRENT MONTH – APRIL 2019

As of April 30, 2019, the total (YTD) Engineering Services expenses were \$463,241 or 11.3% below the (YTD) budget amount of \$4,092,436. The OBMP Implementation Projects (consolidated accounts 7100's – 7700's) were all under budget as of April 30, 2019, with the exception of the PE4-MZ1 Pomona Project expenses (7402.10) which were over budget by \$15,468 or 0.9%.

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 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	\$ 51,656
6905.1	OBMP - Watermaster Model Applications	58,544	58,544	-	-	-	5,720	15,596	7,808	12,528
6906.9	2016 RMPU Recharge Master Update	54,396	54,396	26,984	27,194	2,916	-	-	-	-
6906.28	2019 OBMP Update	158,372	158,372	-	-	5,755	14,789	3,721	11,021	37,505
6906.73	2020 Safe Yield Recalculation	406,884	406,884	-	21,661	16,168	7,098	6,831	13,844	24,644
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
6905.15	IEUA - Integrated Model Meetings and Technical	19,960	19,960	2,380	2,647	7,114	4,296	4,090	1,807	4,043
6906.16	CBSWP Evaluation and Conceptual Design Supp	-	-	-	-	-	-	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	6,858	5,164	9,647
7103.5	GW and SW Quality - Laboratory Services	62,884	62,884	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
7104.8	GW Level - Contract Services	10,000	10,000	-	-	-	-	-	-	-
7104.80	GW Level - Capital Services	8,000	8,000	-	-	972	-	1,802	1,111	-
7107.2	Ground Level - Engineering Services	71,789	96,611	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	9,371	-	-	-	-	-	-
7107.8	Ground Level - Capital Equipment	12,652	12,652	-	-	-	170	172	85	-
7103.31	IEUA - Prado Basin Habitat Monitoring	77,159	77,159	-	164	521	3,507	3,808	12,900	18,332
7108.6	IEUA - P3HSP - Outside Pro	10,000	10,000	-	8,933	-	-	-	-	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	25,246	25,246	-	1,446	-	-	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	1,463,742	19,823	19,463	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	3,146	-	280
7510	IEUA - Update Recycled Water Permit - Salinity	89,353	108,176	-	-	3,751	21,792	34,136	4,482	497
7602	Storage Management/Conjunctive Use	105,346	105,346	49,881	18,386	25,634	-	-	-	-
Totals		\$ 2,929,798	\$ 4,524,451	\$ 199,728	\$ 1,663,524	\$ 216,630	\$ 244,276	\$ 175,954	\$ 138,652	\$ 299,963

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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

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
6906	OBMP Engineering	\$ 28,340	\$ 44,444	\$ 63,722	\$ 57,192	\$ 45,529	\$ 499,272	\$ 496,272	\$ 11,102	64%	96%
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	(2,699)	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	67,584	62,327	63,258	63,266	63,268	450,719	430,719	(23,835)	59%	106%
6906.21	State of the Basin Report	27,544	11,532	15,000	20,000	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	742	472	3,700	3,700	3,700	38,670	19,335	625	133%	97%
6906.16	CBEWP Evaluation and Conceptual Design Supp	3,534	1,817	3,500	3,500	10,500	45,645	-	-	n/a	n/a
7103.3	GW and SW Quality - Engineering Services	2,002	7,035	9,340	16,826	27,103	163,849	168,849	10,394	69%	95%
7103.5	GW and SW Quality - Laboratory Services	-	1,050	2,132	-	1,650	50,905	50,905	11,979	76%	81%
7104.3	GW Level - Engineering Services	7,212	22,008	18,230	22,321	25,120	204,217	204,217	36,111	53%	85%
7104.6	GW Level - Contract Services	-	-	-	5,000	-	5,000	5,000	5,000	0%	50%
7104.9	GW Level - Capital Services	-	-	-	8,000	-	11,855	11,855	(3,885)	49%	145%
7107.2	Ground Level - Engineering Services	1,305	2,038	3,326	21,144	15,578	70,259	70,259	26,352	31%	73%
7107.3	Ground Level - SAR Imagery	-	17,000	-	-	57,632	86,632	-	-	33%	100%
7107.6	Ground Level - Contract Services	2,316	977	-	19,900	65,000	97,564	97,564	(5,337)	14%	106%
7107.6	Ground Level - Capital Equipment	-	67	-	200	500	1,194	1,164	11,498	4%	9%
7108.31	IEUA - Prado Basin Habitat Monitoring	17,397	26,696	29,002	15,300	21,700	148,546	74,473	2,686	111%	97%
7108.6	IEUA - PBHSP - Outside Pro	-	-	-	-	11,000	19,933	9,966	34	89%	100%
7109.3	Recharge & Well Monitoring - Engineering Serv.	1,550	-	1,100	3,900	-	9,433	9,433	15,315	19%	37%
7202.2	Comp Recharge - Engineering Services	1,060	53	2,500	4,367	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	8,308	8,650	104,910	104,910	-	83%	100%
7402.1	OBMP - Engineering Services - Northwest MZ1	47,425	15,433	6,346	117,245	134,468	1,653,673	1,553,673	(250,256)	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	63%	81%
7510	IEUA - Update Recycled Water Permit - Salinity	546	828	500	500	260,662	327,613	106,178	-	61%	100%
7602	Storage Management/Conjunctive Use	-	-	-	-	-	93,911	93,911	11,437	69%	85%
Totals		\$ 247,592	\$ 289,063	\$ 245,002	\$ 437,245	\$ 808,938	\$ 4,967,366	\$ 4,595,260	\$ (70,808)	77%	102%

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

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2018-19CBWM_Invoice_Summary_ISBM_03ECAC--Projection Summary



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/>

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 April 30, 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:

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	Jul '18 - Apr '19	Jul '18 - Apr '19	\$ Over Budget	% of Budget	FY 2018/19
	Actual	Budget			Annual Budget
6906 · OBMP Engineering Services - Other	23,404.36	28,974.00	-5,569.64	80.78%	34,768.00
6906.1 · OBMP - Watermaster Model Update	42,711.70	48,786.00	-6,074.30	87.55%	58,544.00
6906.15 · Integrated Model Mtgs-IEUA Cost	14,907.35	16,634.00	-1,726.65	89.62%	19,960.00
6906.21 · State of the Basin Report	131,091.10	132,018.00	-926.90	99.3%	158,422.00
6906.22 · Water Rights Compliance Reporting	16,415.35	21,375.00	-4,959.65	76.8%	25,650.00
6906.23 · SGMA Reporting Requirements	7,253.30	11,250.00	-3,996.70	64.47%	13,500.00
6906.24 · Compliance - SB88 and SWRCB	5,338.10	6,744.00	-1,405.90	79.15%	8,092.00
6906.26 · 2019 OBMP Update	134,063.86	132,394.00	1,669.86	101.26%	158,872.00
6906.27 · HCP Meetings/Technical Review-IEUA Cos	602.20	14,842.00	-14,239.80	4.06%	17,810.00
6906.28 · Agriculture Prod. & Estimation	0.00	18,710.00	-18,710.00	0.0%	22,452.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	67,518.56	81,635.00	-14,116.44	82.71%	97,962.00
6906.32 · OBMP - Other General Meetings	43,941.14	67,577.00	-23,635.86	65.02%	81,093.00
6906.71 · OBMP - Data Requests - CBWM Staff	143,968.45	83,370.00	60,598.45	172.69%	100,044.00
6906.72 · OBMP - Data Requests - Non CBWM	26,932.36	26,956.00	-23.64	99.91%	32,348.00
6906.73 · OBMP - Safe Yield Recalculation	303,846.45	339,070.00	-35,223.55	89.61%	406,884.00
6906.74 · OBMP - Mat'l Physical Injury Requests	1,881.40	59,973.00	-58,091.60	3.14%	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	16,248.00	-3,385.80	79.16%	19,498.00
6906.90 · OBMP - 2018 RMPU Master Update	57,094.63	45,330.00	11,764.63	125.95%	54,396.00
7103.3 · Grdwtr Qual-Engineering	143,606.29	169,035.00	-25,428.71	84.96%	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	158,444.23	200,274.00	-41,829.77	79.11%	240,328.00
7104.8 · Grdwtr Level-Contracted Services	570.00	8,334.00	-7,764.00	6.84%	10,000.00
7104.9 · Grdwtr Level-Capital Equipment	0.00	6,666.00	-6,666.00	0.0%	8,000.00
7107.2 · Grd Level-Engineering	32,211.51	86,007.00	-53,795.49	37.45%	98,243.00
7107.3 · Grd Level-SAR Imagery	29,000.00	63,750.00	-34,750.00	45.49%	85,000.00
7107.6 · Grd Level-Contract Svcs	70,834.13	80,311.00	-9,476.87	88.2%	92,227.00
7107.8 · Grd Level-Capital Equipment	0.00	10,576.00	-10,576.00	0.0%	12,692.00
7108.31 · Hydraulic Control-PBHSP	60,792.75	64,299.00	-3,506.25	94.55%	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	8,334.00	-8,334.00	0.0%	10,000.00
7109.3 · Recharge & Well - Engineering	5,854.80	21,040.00	-15,185.20	0.0%	25,248.00
7202.2 · Comp Recharge-Engineering Services	20,179.26	76,366.00	-56,186.74	26.42%	91,640.00
7303 · PE3&5-Engineering - Other	0.00	8,134.00	-8,134.00	0.0%	9,760.00
7402 · PE4-Engineering	89,395.67	99,425.00	-10,029.33	89.91%	104,910.00
7402.10 · PE4-MZ1 Pomona Project	1,713,028.68	1,697,561.00	15,467.68	100.91%	1,703,417.00
7403 · PE4-Contract Svcs	0.00	8,334.00	-8,334.00	0.0%	10,000.00
7502 · PE6&7-Engineering	64,512.35	73,250.00	-8,737.65	88.07%	87,912.00
7510 · PE6&7-IEUA Salinity Mgmt. Plan	22,836.25	93,286.00	-70,449.75	24.48%	108,178.00
7602 · PE8&9-Engineering	93,910.61	102,684.00	-8,773.39	91.46%	105,348.00
Total Engineering Services Costs	3,629,195.48	4,092,436.00	-463,240.52	88.68%	4,524,451.00 *

* 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)

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:

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	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	\$ 36,822	\$ 29,590	\$ 24,251	\$ 58,101	\$ 33,162	\$ 21,264	\$ 60,179
6906.1	OBMP - Watermaster Model Applications	58,544	58,544	-	-	-	5,720	15,586	7,908	19,515
6906.9	2018 RMPU Recharge Master Update	54,396	54,396	26,984	27,184	2,916	-	-	-	-
6906.26	2019 OSMP Update	158,872	156,372	-	-	5,755	14,769	3,721	11,021	25,600
6906.73	2020 Safe Yield Recalculation	406,884	406,884	-	21,661	16,166	7,893	6,831	13,844	13,100
6906.21	State of the Basin Report	156,423	156,423	-	-	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	2,360	2,647	7,114	4,296	4,050	1,907	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	11,133	846	1,650	2,132
7104.3	GW Level - Engineering Services	240,326	240,326	3,339	12,464	22,193	18,801	18,488	19,432	14,680
7104.8	GW Level - Contract Services	10,000	10,000	-	-	-	-	-	-	-
7104.80	GW Level - Capital Services	8,000	8,000	-	-	572	-	1,862	1,111	2,700
7107.2	Ground Level - Engineering Services	71,769	96,611	4,468	3,593	2,692	7,691	3,144	1,791	10,676
7107.3	Ground Level - SAR Imagery	66,632	66,632	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	172	85	500
7103.31	IEUA - Prado Basin Habitat Monitoring	77,159	77,159	-	164	521	3,507	3,868	12,900	20,100
7103.6	IEUA - PBHSP - Outside Pro	10,000	10,000	-	8,933	-	-	-	-	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	25,246	25,246	-	1,448	-	-	1,734	-	-
7202.2	Comp Recharge - Engineering Services	91,640	91,640	2,011	2,060	8,654	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	173,136	1,703,417	1,620	5,160	19,923	19,093	7,626	11,509	432,552
7403	OBMP - Contract Services - MZ1	10,000	10,000	-	-	-	-	-	-	-
7502	OBMP - Engineering Services - WQC	87,912	67,912	856	1,416	15,550	10,557	2,146	-	4,722
7510	IEUA - Update Recycled Water Permit - Salinity	69,353	108,176	-	-	3,751	21,792	34,138	4,482	45,000
7602	Storage Management/Conjunctive Use	105,346	105,346	49,881	18,396	25,634	-	-	-	-
Totals		\$ 2,929,798	\$ 4,524,451	\$ 199,728	\$ 199,943	\$ 216,630	\$ 240,881	\$ 175,954	\$ 138,652	\$ 712,621

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2018-19CBWM_Invoice_Summary_ISBM_20190122--Projection Summary



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	\$ 46,825	\$ 39,229	\$ 35,829	\$ 35,029	\$ 465,705	\$ 465,705	\$ 41,669	18%	82%
6906.1	OBMP - Watermaster Model Applications	3,757	-	-	-	-	52,365	52,365	6,149	0%	85%
6906.9	2018 RMPU Recharge Master Update	-	-	-	-	-	57,095	57,095	(2,899)	105%	105%
6906.26	2019 OSMP Update	25,600	25,600	25,600	25,600	21,600	164,866	164,866	(26,014)	4%	116%
6906.73	2020 Safe Yield Recalculation	65,637	65,637	65,637	65,637	65,637	406,884	406,884	-	9%	100%
6906.21	State of the Basin Report	22,000	19,000	13,000	20,000	11,000	153,811	156,811	(399)	2%	100%
6906.27	IEUA - HCP Meetings and Technical Review	1,500	1,500	1,500	1,500	1,500	9,000	4,500	13,310	0%	25%
6906.15	IEUA - Integrated Model Meetings and Technical	3,700	3,700	3,700	3,700	3,700	44,519	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	20,523	20,000	5,825	8,594	20,703	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	50%	81%
7104.3	GW Level - Engineering Services	24,884	23,768	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	5,000	0%	50%
7104.80	GW Level - Capital Services	-	-	-	8,000	-	12,565	12,565	(4,585)	12%	157%
7107.2	Ground Level - Engineering Services	9,176	6,876	13,856	3,300	3,373	62,754	62,754	13,857	11%	96%
7107.3	Ground Level - SAR Imagery	-	58,000	-	-	-	66,632	66,632	-	14%	100%
7107.6	Ground Level - Contract Services	4,950	4,950	37,000	15,000	20,556	92,227	92,227	-	10%	100%
7107.8	Ground Level - Capital Equipment	500	500	500	500	500	3,427	3,427	6,295	0%	27%
7103.31	IEUA - Prado Basin Habitat Monitoring	38,004	34,560	20,600	12,000	7,659	165,239	77,820	(481)	1%	101%
7103.6	IEUA - PBHSP - Outside Pro	-	-	10,000	-	-	18,933	9,466	534	69%	55%
7109.3	Recharge & Well Monitoring - Engineering Serv.	1,000	6,000	4,000	4,000	-	20,162	20,162	5,095	3%	80%
7202.2	Comp Recharge - Engineering Services	7,507	4,700	4,700	7,507	4,700	51,442	51,442	43,199	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	6,500	5,500	6,500	6,500	104,572	104,572	333	61%	100%
7402.1	OBMP - Engineering Services - Northwest MZ1	389,566	342,632	351,117	63,120	87,500	1,739,617	1,738,617	(35,200)	2%	102%
7403	OBMP - Contract Services - MZ1	-	-	-	-	-	-	-	16,000	0%	0%
7502	OBMP - Engineering Services - WQC	10,395	21,360	8,530	5,705	5,000	67,038	67,038	874	21%	66%
7510	IEUA - Update Recycled Water Permit - Salinity	45,000	45,000	45,000	45,000	38,651	327,811	108,176	-	3%	100%
7602	Storage Management/Conjunctive Use	-	-	-	-	-	93,911	93,911	11,437	69%	65%
Totals		\$ 755,816	\$ 760,940	\$ 674,790	\$ 384,126	\$ 365,541	\$ 4,805,620	\$ 4,414,783	109,668	14%	98%

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

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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

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

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 quarter ECAC report (for the months July 2018 – September 2018) is listed below:

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	4,256	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	96,611	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	-	9,933	-	-	-	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	866	1,416	15,960	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	49,681	18,396	25,634	-	-	-	-
Totals		\$ 2,929,798	\$ 4,524,451	\$ 199,728	\$ 199,943	\$ 216,630	\$ 241,363	\$ 267,999	\$ 365,684	\$ 443,353

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	21,000	15,955	158,423	158,423	-	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	8,694	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%	98%
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%	57%
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	83%	89%
Totals		\$ 1,526,122	\$ 390,492	\$ 323,612	\$ 314,457	\$ 302,414	\$ 4,791,796	\$ 4,456,394	\$ 68,057	14%	98%

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:

<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:

- 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.
- 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

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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 - Apr. 2019	\$ 121,585.50	\$ (60,792.75)	\$ -	\$ 60,792.75
Totals	\$ 121,585.50	\$ (60,792.75)	\$ -	\$ 60,792.75
	7108.31	7108.31	7108.31	
Maximum Costs	\$ 174,318.00	\$ 87,159.00	\$ 87,159.00	\$ 87,159.00

PREVIOUSLY REPORTED ACTIONS (Descending Order)
None:

OTHER INCOME AND EXPENSE

There were no other significant items to report within the category of Other Income and Expenses for the month ending April 30, 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 – APRIL 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

As of April 30, 2019, the total (YTD) amount remaining of the "Carried Over" funding is \$1,663,636.53 (\$4,728,140.07 - \$3,064,503.54 = \$1,663,636.53).

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 ²	FY 2017/18	ENG
Ground Level - Contract Services	\$ 20,727.00	D	7107.6 ³	FY 2017/18	ENG
PE4 - Northwest MZ-1 Area Project	\$ 1,530,279.00	E	7402.1 ⁴	FY 2017/18	ENG
PE6&7-IEUA Salinity Mgmt. Plan	\$ 18,825.00	F	7510 ⁵	FY 2017/18	ENG
Jurupa Pumping Station (TO #5)	\$ 37,981.33	G	7209.1 ¹	FY 2013/14	PROJ
Wineville Basin Proof of Concept (TO #6)	\$ 35,397.53	H	7209.2 ¹	FY 2013/14	PROJ
RMPU Amendment (TO #1)	\$ 589,923.18	I	7690.15	FY 2016/17	PROJ
East Declez Basin (TO #1)	\$ 1,171.33	J	7690.16 ¹	FY 2016/17	PROJ
Hickory Basin Recharge Improvement Project	\$ 3,877.00	K	7690.3 ¹	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 ¹	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
Total Balance, June 30, 2018	\$ 4,728,140.07				

"Carried Over" Balance, July 1, 2018	\$	4,728,140.07			
Less: (Invoices Received To Date FY 2018/19)					
Grd Level - MVWD SCADA Reimbursement	\$	(52,332.95)	B	7107.63	
Ground Level - Engineering Services	\$	(24,822.00)	C	7107.2 ²	
Ground Level - Contract Services	\$	(20,727.00)	D	7107.6 ³	
PE4 - Northwest MZ-1 Area Project	\$	(1,530,279.00)	E	7402.1 ⁴	
PE6&7-IEUA Salinity Mgmt. Plan	\$	(18,825.00)	F	7510 ⁵	
Jurupa Pumping Station (TO #5)	\$	(37,981.33)	G	7209.1 ¹	Budget Transfer T-18-07-01 (OUT)
Wineville Basin Proof of Concept (TO #6)	\$	(35,397.53)	H	7209.2 ¹	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 ¹	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 ¹	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)
Updated Balance as of April 30, 2019	\$	1,663,636.53			

¹ 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 Appropriative Pool as a credit through the Assessment invoicing.

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

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

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

⁵ 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 April 30, 2019

Blomquist Report - Update	\$	7,500.00	A	6061.6	FY 2017/18	ADMIN
Grd Level - MVWD SCADA Reimbursement	\$	4,713.30	B	7107.63	FY 2017/18	ADMIN
Ground Level - Engineering Services	\$	-	C	7107.2 ²	FY 2017/18	ENG
Ground Level - Contract Services	\$	-	D	7107.6 ³	FY 2017/18	ENG
PE4 - Northwest MZ-1 Area Project	\$	-	E	7402.1 ⁴	FY 2017/18	ENG
PE6&7-IEUA Salinity Mgmt. Plan	\$	-	F	7510 ⁵	FY 2017/18	ENG
Jurupa Pumping Station (TO #5)	\$	-	G	7209.1 ¹	FY 2013/14	PROJ
Wineville Basin Proof of Concept (TO #6)	\$	-	H	7209.2 ¹	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 ¹	FY 2016/17	PROJ
Hickory Basin Recharge Improvement Project	\$	-	K	7690.3 ¹	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 ¹	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)	
Updated Balance as of April 30, 2019	\$	1,663,636.53				

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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 April 30, 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 April 30, 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

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.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

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 – APRIL 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

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

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				10/12th (83.34%) of the Total Budget				100% of the Total Budget			
	For The Month of April 2019				Year-To-Date as of April 30, 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
Income												
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	8,301,750.00	-3,135.05	99.96%	8,298,614.95	8,301,750.00	-3,135.05	99.96%
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	8.71	0.00	8.71	100.0%	163,791.80	47,977.00	115,814.80	341.4%	223,800.35	63,968.00	159,832.35	349.86%
4900 · Miscellaneous Income	121.00	0.00	121.00	100.0%	121.01	0.00	121.01	100.0%	121.01	0.00	121.01	100.0%
Total Income	129.71	0.00	129.71	100.0%	9,022,397.30	8,906,234.00	116,163.30	101.3%	9,082,405.85	8,922,225.00	160,180.85	101.8%
Gross Profit	129.71	0.00	129.71	100.0%	9,022,397.30	8,906,234.00	116,163.30	101.3%	9,082,405.85	8,922,225.00	160,180.85	101.8%
Expense												
6010 · Admin. Salary/Benefit Costs	95,600.60	88,632.00	6,968.60	107.86%	936,985.42	887,402.00	49,583.42	105.59%	1,122,759.58	1,062,695.00	60,064.58	105.65%
6020 · Office Building Expense	9,052.30	8,983.00	69.30	100.77%	90,177.22	93,783.00	-3,605.78	96.16%	111,378.08	112,399.00	-1,020.92	99.09%
6030 · Office Supplies & Equip.	2,773.53	1,450.00	1,323.53	191.28%	23,867.20	29,625.00	-5,757.80	80.56%	31,614.00	33,500.00	-1,886.00	94.37%
6040 · Postage & Printing Costs	2,271.45	3,617.00	-1,345.55	62.8%	34,129.99	38,285.00	-4,155.01	89.15%	45,692.38	47,142.00	-1,449.62	96.93%
6050 · Information Services	21,015.17	11,678.00	9,337.17	179.96%	141,580.03	145,350.00	-3,769.97	97.41%	164,154.24	168,656.00	-4,501.76	97.33%
6060 · Contract Services	1,185.56	0.00	1,185.56	100.0%	36,565.07	44,525.00	-7,959.93	82.12%	44,085.42	45,125.00	-1,039.58	97.7%
6070 · Watermaster Legal Services	35,197.34	13,000.00	22,197.34	270.75%	391,882.30	130,012.00	261,870.30	301.42%	441,286.39	156,015.00	285,271.39	282.85%
6080 · Insurance	822.00	0.00	822.00	100.0%	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	280.00	150.00	130.00	186.67%	30,836.94	34,240.00	-3,403.06	90.06%	34,414.50	34,590.00	-175.50	99.49%
6140 · WM Admin Expenses	324.94	225.00	99.94	144.42%	2,005.50	2,250.00	-244.50	89.13%	2,332.83	2,350.00	-17.17	99.27%
6150 · Field Supplies	0.00	0.00	0.00	0.0%	1,262.23	1,462.00	-199.77	86.34%	1,430.94	1,550.00	-119.06	92.32%
6170 · Travel & Transportation	1,781.42	1,700.00	81.42	104.79%	15,710.67	20,115.00	-4,404.33	78.1%	22,442.09	24,170.00	-1,727.91	92.85%
6190 · Training, Conferences, Seminars	-241.46	2,565.00	-2,806.46	-9.41%	25,911.56	32,127.00	-6,215.44	80.65%	36,870.89	37,857.00	-986.11	97.4%
6200 · Advisory Comm - WM Board	2,388.63	4,158.00	-1,769.37	57.45%	32,813.92	39,319.00	-6,505.08	83.46%	44,982.36	47,539.00	-2,556.64	94.62%
6300 · Watermaster Board Expenses	13,633.07	13,415.00	218.07	101.63%	132,482.25	152,255.00	-19,772.75	87.01%	171,971.96	178,980.00	-7,008.04	96.08%
8300 · Appr PI-WM & Pool Admin	8,975.29	11,967.00	-2,991.71	75.0%	119,273.99	116,762.00	2,511.99	102.15%	155,798.92	140,552.00	15,246.92	110.85%
8400 · Agri Pool-WM & Pool Admin	3,103.71	5,418.00	-2,314.29	57.29%	33,710.48	51,340.00	-17,629.52	65.66%	57,986.73	62,054.00	-4,067.27	93.45%
8467 · Ag Legal & Technical Services	13,337.50	17,084.00	-3,746.50	78.07%	294,841.73	170,834.00	124,007.73	172.59%	370,314.39	205,000.00	165,314.39	180.64%
8470 · Ag Meeting Attend -Special	900.00	1,850.00	-950.00	48.65%	12,275.00	18,500.00	-6,225.00	66.35%	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	3,644.89	12,303.00	-8,658.11	29.63%	126,044.22	120,312.00	5,732.22	104.76%	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	-22,368.11	-34,935.00	12,566.89	64.03%	-188,182.96	-349,353.00	161,170.04	53.87%	-251,077.61	-419,223.00	168,145.39	59.89%
6900 · Optimum Basin Mgmt Plan	173,175.87	179,016.00	-5,840.13	96.74%	1,545,002.21	1,795,249.00	-250,246.79	86.06%	2,123,536.99	2,152,735.00	-29,198.01	98.64%
9501 · G&A Expenses Allocated-OBMP	4,130.22	10,044.00	-5,913.78	41.12%	38,782.40	100,444.00	-61,661.60	38.61%	58,747.39	120,532.00	-61,784.61	48.74%
7101 · Production Monitoring	5,080.52	5,489.00	-408.48	92.56%	50,434.29	54,145.00	-3,710.71	93.15%	55,618.62	64,875.00	-9,256.38	85.73%
7102 · In-line Meter Installation	0.00	31,700.00	-31,700.00	0.0%	0.00	316,779.00	-316,779.00	0.0%	0.00	380,107.00	-380,107.00	0.0%
7103 · Gdwrtr Quality Monitoring	11,169.24	22,384.00	-11,214.76	49.9%	212,960.21	279,835.00	-66,874.79	76.1%	249,510.24	324,329.00	-74,818.76	76.93%
7104 · Gdwr Level Monitoring	26,942.61	27,877.00	-934.39	96.65%	262,632.07	278,042.00	-15,409.93	94.46%	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	60,076.18	19,583.00	40,493.18	306.78%	188,278.76	363,701.25	-175,422.49	51.77%	370,014.28	424,094.25	-54,079.97	87.25%

	1/12th (8.33%) of the Total Budget				10/12th (83.34%) of the Total Budget				100% of the Total Budget			
	For The Month of April 2019				Year-To-Date as of April 30, 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	16,038.40	10,324.00	5,714.40	155.35%	70,906.49	104,610.00	-33,703.51	67.78%	85,663.34	120,704.00	-35,040.66	70.97%
7109 - Recharge & Well Monitoring Prog	1,122.00	2,104.00	-982.00	53.33%	5,854.80	21,040.00	-15,185.20	27.83%	19,345.20	25,248.00	-5,902.80	76.62%
7200 - PE2- Comp Recharge Pgm	6,211.89	306,332.00	-300,120.11	2.03%	979,946.19	1,309,158.00	-329,211.81	74.85%	1,333,003.68	1,334,437.00	-1,433.32	99.89%
7300 - PE3&5-Water Supply/Desalite	0.00	1,765.00	-1,765.00	0.0%	1,474.40	17,467.00	-15,992.60	8.44%	19,423.20	20,934.00	-1,510.80	92.78%
7400 - PE4- Mgmt Plan	21,918.52	17,550.00	4,368.52	124.89%	1,820,474.41	1,825,681.00	-5,206.59	99.72%	1,836,996.00	1,842,746.00	-5,750.00	99.69%
7500 - PE6&7-CoopEfforts/SaltMgmt	6,311.91	15,662.00	-9,350.09	40.3%	89,633.91	175,320.00	-85,686.09	51.13%	196,626.25	206,603.00	-9,976.75	95.17%
7600 - PE8&9-StorageMgmt/Conj Use	580.55	3,168.00	-2,587.45	18.33%	100,340.23	120,795.00	-20,454.77	83.07%	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	42.00	-42.00	0.0%	0.00	417.00	-417.00	0.0%	0.00	500.00	-500.00	0.0%
9502 - G&A Expenses Allocated-Projects	18,237.89	24,891.00	-6,653.11	73.27%	149,400.56	248,909.00	-99,508.44	60.02%	192,330.22	298,691.00	-106,360.78	64.39%
Total Expense	544,673.63	841,191.00	-296,517.37	64.75%	9,858,896.95	12,536,878.07	-2,677,981.12	78.64%	13,480,572.29	13,650,365.07	-169,792.78	98.76%
Net Ordinary Income	-544,543.92	-841,191.00	296,647.08	64.74%	-836,499.65	-3,630,644.07	2,794,144.42	23.04%	-4,398,166.44	-4,728,140.07	329,973.63	93.02%
Other Income												
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%
6600 - 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%
6715 - 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%
Total Other Income	0.00	0.00	0.00	0.0%	934,188.33	0.00	934,188.33	100.0%	938,239.33	0.00	938,239.33	100.0%
Other Expense												
5010 - Groundwater Replenishment	459,025.40	0.00	459,025.40	100.0%	488,109.70	0.00	488,109.70	100.0%	796,000.00	0.00	796,000.00	100.0%
5100 - Other Water Purchases	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	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%
Total Other Expense	459,025.40	0.00	459,025.40	100.0%	545,841.70	0.00	545,841.70	100.0%	984,732.00	0.00	984,732.00	100.0%
Net Other Income	-459,025.40	0.00	-459,025.40	100.0%	388,346.63	0.00	388,346.63	100.0%	-46,492.67	0.00	-46,492.67	100.0%
Net Income	-1,003,569.32	-841,191.00	-162,378.32	119.3%	-448,153.02	-3,630,644.07	3,182,491.05	12.34%	-4,444,659.11	-4,728,140.07	283,480.96	94.0%

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

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR (AP & OAP)

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

I. BUSINESS ITEMS – ROUTINE (ONAP)

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: June 12, 2019 (OAP)
June 13, 2019 (AP and ONAP)

TO: Pool Committee 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: Recommend Advisory Committee to recommend to the Watermaster Board to 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

Agricultural Pool – June 12, 2019: Recommend Advisory Committee to recommend to the Watermaster Board to approve
Appropriative Pool – June 13, 2019: Recommend Advisory Committee to recommend to the Watermaster Board to approve
Non-Agricultural Pool – June 13, 2019: Recommend Advisory Committee to recommend to the Watermaster Board to approve
Advisory Committee – July 18, 2019: Recommend Board to approve
Watermaster Board – July 25, 2019: Approval [Within WM Duties and Powers]

ACTIONS:

Agricultural Pool – June 12, 2019:
Appropriative Pool – June 13, 2019:
Non-Agricultural Pool – June 13, 2019:
Advisory Committee – July 18, 2019:
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.

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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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:

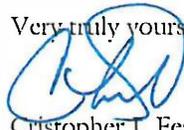
Enclosed herewith is Fontana Water Company's Application for Recharge dated June 5, 2019.

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,



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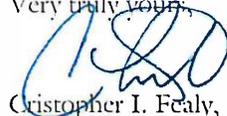
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Christopher I. Fealy, P.E.
Water Resources Manager

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	09/2019 to 09/2020
City	Fontana Water Comapny	Recharge Application (mm/yyyy to mm/yyyy)	
State	CA	Requested Total Amount of Recharge	up to 100
Zip Code	92335	Over the Application Period (AF)	
Telephone	909-822-2201	Approved Total Amount of Recharge	
Fax	909-823-5046	Over the Application Period (AF)	
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) Treated Lytle Creek Water from Sandhill Treatment Plant (F14)
<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) Vineyard Pilot - S/Beech Ave & E/Cherry Ave
	Expected Period of Recharge (mm/dd to mm/dd) Varies
	Depth to Water in Recharge Area (ft-bgs) Unknown
	Water Quality in Recharge Area (attach characterization) Treated to Potable Standards.
<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) _____

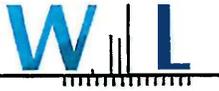
Date of Approval by Advisory Committee (mm/dd/yyyy) _____

Date of Approval from Board (mm/dd/yyyy) _____

Recharge Agreement Number _____

Certificate of Analysis

FINAL REPORT



WECK LABORATORIES, INC.

Work Orders: 9A02106

Report Date: 2/01/2019

Received Date: 1/2/2019

Project: Sandhill Treated Title 22 Monitoring

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

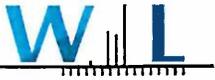
Sample: 3076- Sandhill Treated 3610041-076
9A02106-01 (Water)

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	1	01/30/19 12:51	
Method: EPA 140.1	Batch ID: W9A0094	Instr: W805	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
Method: EPA 200.8 (Continued)	Batch ID: W9A0129	Instr: ICPMS05	Prepared: 01/03/19 10:02	Analyst: jea			
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	
Method: EPA 245.1	Batch ID: W9A0154	Instr: HG03	Prepared: 01/03/19 12:56	Analyst: gza			
Mercury, Total	ND		0.050	ug/l	1	01/09/19 11:56	
Method: EPA 300.0	Batch ID: W9A0187	Instr: LC12	Prepared: 01/04/19 08:02	Analyst: jan			
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	
Method: EPA 314.0	Batch ID: W9A0113	Instr: LC08_Chan	Prepared: 01/03/19 08:44	Analyst: jan			
Perchlorate	ND	0.95	2.0	ug/l	1	01/04/19 10:12	
Method: EPA 335.4	Batch ID: W9A0143	Instr: AA01	Prepared: 01/03/19 10:54	Analyst: HET			
Cyanide, Total	ND		5.0	ug/l	1	01/07/19 12:13	
Method: EPA 353.2	Batch ID: W9A0081	Instr: AA01	Prepared: 01/02/19 16:54	Analyst: het			
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	
Method: EPA 504.1	Batch ID: W9A0193	Instr: GC03	Prepared: 01/04/19 10:15	Analyst: ars			
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	
Method: EPA 508	Batch ID: W9A0195	Instr: GC07	Prepared: 01/04/19 09:03	Analyst: adm			
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.

(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 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.

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 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	

9A02106

Page 4 of 8



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Sample Results

(Continued)

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

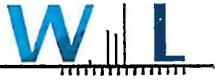
Sampled: 01/02/19 10:00 by Eric Tarango
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 524.2 (Continued)						Analyst: enf	
Batch ID: W9A0597	Instr: GCMS14		Prepared: 01/10/19 12:00				
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



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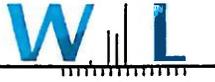
Sample Results

(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	
<i>Surrogate(s)</i>							
1,3-Dimethyl-2-nitrobenzene	107%		70-130	Conc: 5.34		01/23/19 19:32	
Perylene-d 12	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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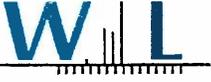
Sample Results

(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	



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FINAL REPORT

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 • LAC5D #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.

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 Update¹ (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.

¹ 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.

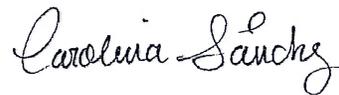
Conclusion and Recommendations

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

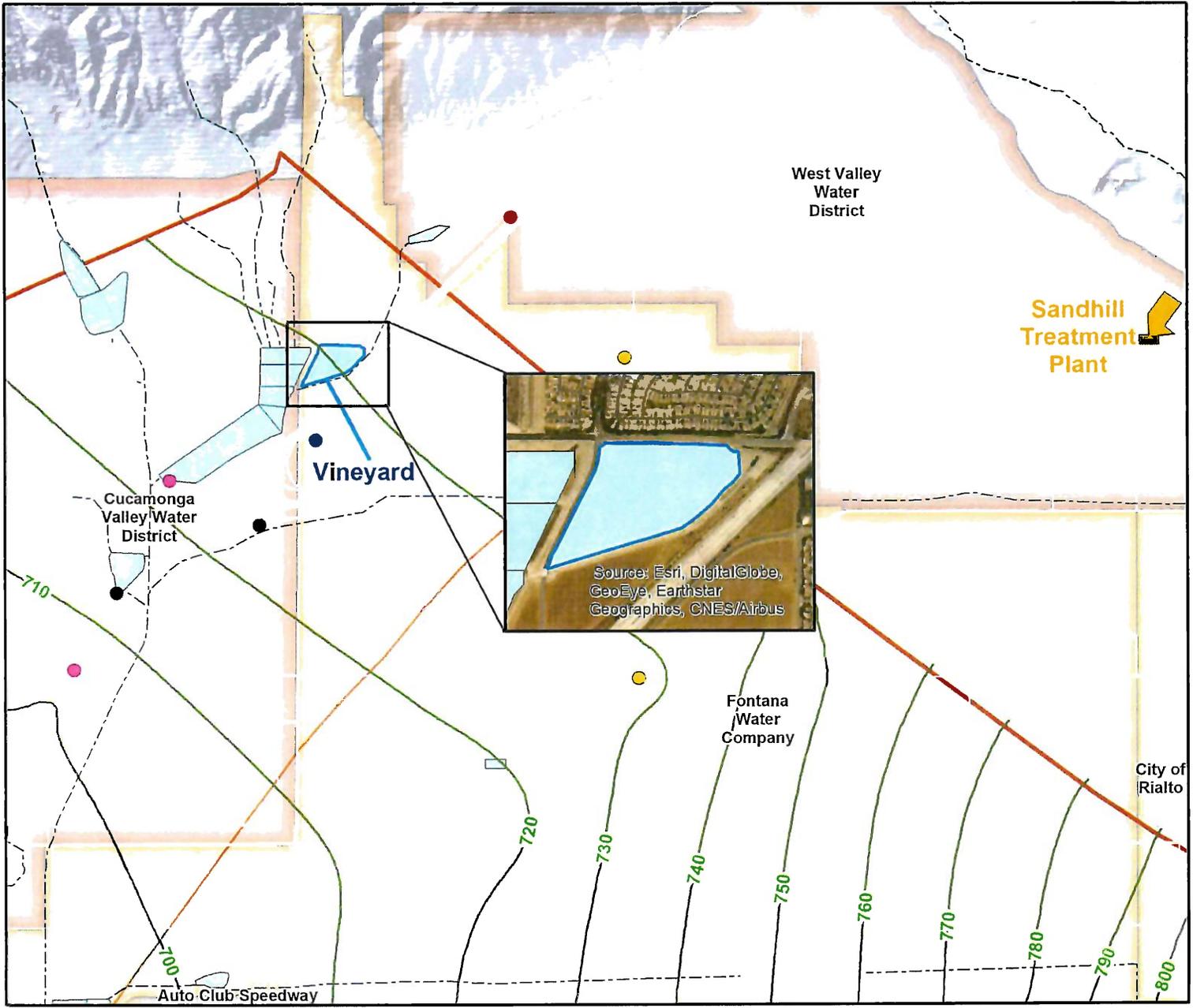
Please call us if you have any questions or concerns regarding this MPI analysis.

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

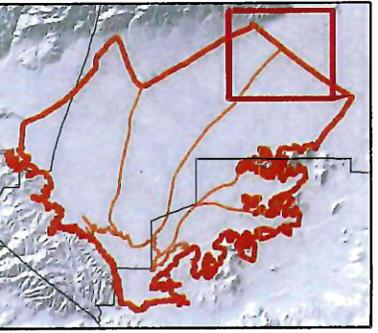
- Fontana Water Company
- West Valley Water District
- Inland Empire Utilities Agency
- Private Well

Groundwater-Elevation Contours for July 2017

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



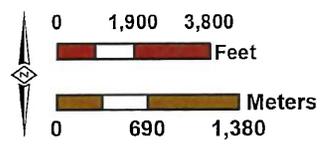
- Streams & Flood Control Channels
- Flood Control & Conservation Basins
- Water Service Areas



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 (AP & OAP)

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

I. BUSINESS ITEMS – ROUTINE (ONAP)

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: June 12, 2019 (OAP)
June 13, 2019 (AP and ONAP)

TO: Pool Committee 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: Recommend Advisory Committee to recommend to the Watermaster Board to 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

Agricultural Pool – June 12, 2019: Recommend Advisory Committee to recommend to the Watermaster Board to approve
Appropriative Pool – June 13, 2019: Recommend Advisory Committee to recommend to the Watermaster Board to approve
Non-Agricultural Pool – June 13, 2019: Recommend Advisory Committee to recommend to the Watermaster Board to approve
Advisory Committee – July 18, 2019: Recommend Board to approve
Watermaster Board – July 25, 2019: Approval [Within WM Duties and Powers]

ACTIONS:

Agricultural Pool – June 12, 2019:
Appropriative Pool – June 13, 2019:
Non-Agricultural Pool – June 13, 2019:
Advisory Committee – July 18, 2019:
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.

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)"

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:

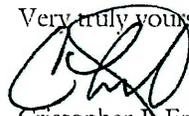
Enclosed herewith is Fontana Water Company's Application for Recharge dated June 5, 2019.

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,



Cristopher D. 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	6/5/19
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) Treated Lytle Creek Water from Sandhill Treatment Plant (F14)
<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) Vulcan Basin
	Expected Period of Recharge (mm/dd to mm/dd) Varies
	Depth to Water in Recharge Area (ft-bgs) Unknown
	Water Quality in Recharge Area (attach characterization) Treated to Potable Standards.
<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) _____

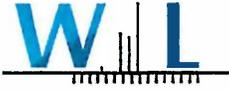
Date of Approval from Overlying Ag Pool (mm/dd/yyyy) _____

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

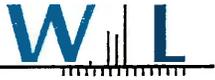
Sample: 3076- Sandhill Treated 3610041-076
9A02106-01 (Water)

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	1	01/30/19 12:51	
Method: EPA 140.1	Batch ID: W9A0094	Instr: W805	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 8



Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

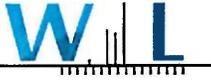
Sample Results

(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 200.8 (Continued)	Batch ID: W9A0129	Instr: ICPMS05	Prepared: 01/03/19 10:02	Analyst: jea			
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	
Method: EPA 245.1	Batch ID: W9A0154	Instr: HG03	Prepared: 01/03/19 12:56	Analyst: gza			
Mercury, Total	ND		0.050	ug/l	1	01/09/19 11:56	
Method: EPA 300.0	Batch ID: W9A0187	Instr: LC12	Prepared: 01/04/19 08:02	Analyst: jan			
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	
Method: EPA 314.0	Batch ID: W9A0113	Instr: LC08_Chan	Prepared: 01/03/19 08:44	Analyst: jan			
Perchlorate	ND	0.95	2.0	ug/l	1	01/04/19 10:12	
Method: EPA 335.4	Batch ID: W9A0143	Instr: AA01	Prepared: 01/03/19 10:54	Analyst: HET			
Cyanide, Total	ND		5.0	ug/l	1	01/07/19 12:13	
Method: EPA 353.2	Batch ID: W9A0081	Instr: AA01	Prepared: 01/02/19 16:54	Analyst: het			
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	
Method: EPA 504.1	Batch ID: W9A0193	Instr: GC03	Prepared: 01/04/19 10:15	Analyst: ars			
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	
Method: EPA 508	Batch ID: W9A0195	Instr: GC07	Prepared: 01/04/19 09:03	Analyst: adm			
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.

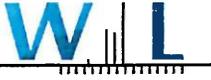
Sample Results

(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
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	



WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

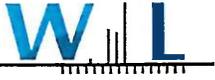
Sample Results

(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 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:</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	



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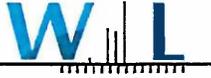
Sample Results

(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	
<i>Surrogate(s):</i>							
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	



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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	

Surrogates:

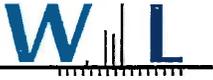
1,3-Dimethyl-2-nitrobenzene	107%		70-130	Conc: 5.34		01/23/19 19:32	
Perylene-d12	86%		50-120	Conc: 4.32		01/23/19 19:32	
Triphenyl phosphate	95%		70-130	Conc: 4.77		01/23/19 19:32	

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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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: nil 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: nil 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	



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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.

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).¹ 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-

¹ 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 (AP & OAP)

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

II. BUSINESS ITEMS (ONAP)

**D. CONSIDERATION OF APPLICATION FOR LOCAL 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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: June 12, 2019 (OAP)
June 13, 2019 (AP and ONAP)

TO: Pool Committee Members

SUBJECT: Consideration of Local Storage Agreements – Overlying (Non-Agricultural) Pool (AP/OAP)
(Consent Calendar Item I.E.)
Consideration of Local Storage Agreements – Overlying (Non-Agricultural) Pool (ONAP)
(Business Item II.D.)

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: Recommend to the Advisory Committee to recommend the Watermaster Board to approve the storage agreements as presented.

Financial Impact: None

Future Consideration

Agricultural Pool – June 12, 2019: Recommend to the Advisory Committee to recommend the Watermaster Board to approve the storage agreements as presented.

Appropriative Pool – June 13, 2019: Recommend to the Advisory Committee to recommend the Watermaster Board to approve the storage agreements as presented.

Non-Agricultural Pool – June 13, 2019: Recommend to the Advisory Committee to recommend the Watermaster Board to approve the storage agreements as presented.

Advisory Committee – July 18, 2019: Recommend to the Watermaster Board to approve the storage agreements as presented.

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

ACTIONS:

Agricultural Pool – June 12, 2019:

Appropriative Pool – June 13, 2019:

Non-Agricultural Pool – June 13, 2019:

Advisory Committee – July 18, 2019:

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 considered today will be brought to the Advisory Committee and the Board for consideration in July 2019.

ATTACHMENTS

1. Storage Agreements 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

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

<u>Non-Agricultural Pool Committee, for its members</u> Name of Party	<u>June 5, 2019</u> Date Requested	_____ Date Approved
<u>Various</u> Street Address	<u>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.</u>	
<u>Various</u> _____ <u>CA</u> _____ <u>Various</u> _____ City State Zip Code	_____ Amount Requested	_____ Amount Approved
Telephone: <u>Various</u> _____		

Facsimile: Various _____

TYPE OF WATER TO BE PLACED IN STORAGE

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.
- 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

<input type="checkbox"/> Recharge (Form 2)	N/A: This application applies only to surplus carryover of members of the Non-Agricultural Pool. Surplus carryover consists of unproduced ground water.
<input type="checkbox"/> Transfer of Right to Water in Storage (Form 3)	
<input type="checkbox"/> Transfer from another party to the Judgment (Form 5)	

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

<input type="checkbox"/> Pump from my wells (Form 4)	Other: Any method permitted under the Judgment and/or other governing documents.
<input type="checkbox"/> Transfer to another party to the Judgment (Form 3)	

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

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. 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. RULES AND REGULATIONS 2019 UPDATE



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: June 12, 2019 (OAP)
June 13, 2019 (AP and ONAP)

TO: Pool Committee Members

SUBJECT: Rules and Regulations 2019 Update (Business Item II.A.)

SUMMARY

Issue: The Rules and Regulations need to be updated to reflect the necessary changes since the present version was adopted in 2001.

Recommendation: Offer advice and assistance to the Advisory Committee.

Financial Impact: There is no financial impact associated with the proposed update to the Rules and Regulations. Funds for the effort have been included in the FY 2018/19 Budget.

Future Consideration

Agricultural Pool – June 12, 2019: Advice and assistance
Appropriative Pool – June 13, 2019: Advice and assistance
Non-Agricultural Pool – June 13, 2019: Advice and assistance
Advisory Committee – June 20, 2019: Approval
Watermaster Board – June 27, 2019: Adoption [Advisory Committee Approval Required]

ACTIONS:

Agricultural Pool – June 12, 2019:
Appropriative Pool – June 13, 2019:
Non-Agricultural Pool – June 13, 2019:
Advisory Committee – June 20, 2019:
Watermaster Board – June 27, 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

In 2017, a process was initiated, facilitated by Watermaster staff and counsel, to update the 2001 Chino Basin Watermaster Rules and Regulations. An updated version was necessary because the 2001 version was not reflective of agreements of the parties, orders of the Court, and other changed circumstances since the adoption of the 2001 version. In 2017, a series of workshops were held, through which subsequent drafts of an updated version of the Rules and Regulations were generated. At that same time, an appeal to the Court's April 28, 2017 Court Order regarding Safe Yield and the priority of Land Use Conversions in the Agricultural Pool Reallocation was pending. Accordingly, consensus was reached that the changes captured in the 2017 final draft reflected all necessary changes other than as to the issues contemplated in the appeal, and this version was not brought forth for Advisory Committee and Board approval, as additional changes were anticipated to be possible at the conclusion of the appeal from the April 28, 2017 Order.

The Appeal was resolved in early 2019 and the Court issued an Order on March 15, 2019, which approved amendments to the Restated Judgment and ordered Watermaster to implement the Peace and Peace II agreements, as amended by agreement of the parties. As expected, the April 28, 2017 and March 15, 2019 court orders necessitate further changes to the Rules and Regulations.

DISCUSSION

A redline version of proposed changes to the July 10, 2017 draft was circulated to the Parties on May 21, 2019, with a request for comments by June 6, 2019. A workshop was held on June 4, 2019 to discuss the changes and clarify any questions the Parties may have had, and to assist the parties in finalizing their comments.

Parties discussed their suggestions during the workshop and also submitted comments via email. The attached version represents the proposed changes to the July 10, 2017 draft version of the Rules and Regulations to reflect the April 28, 2017 and March 15, 2019 orders, as well as a Board approved addition from September 2017, as of June 7, 2019. Changes made since May 21, 2019 are highlighted.

Watermaster plans to discuss the proposed changes since July 10, 2017 and receive any further comments at the Pool meetings; the attached version will be modified as necessary to capture additional comments. Watermaster will present all proposed changes from the 2001 Rules and Regulations to the Advisory Committee for approval during its June 20, 2019 meeting.

ATTACHMENTS

1. June 7, 2019 version of Rules and Regulations (redline) TO BE DISTRIBUTED ELECTRONICALLY ON MONDAY JUNE 10, 2019
2. June 7, 2019 version of Rules and Regulations (clean) TO BE DISTRIBUTED ELECTRONICALLY ON MONDAY JUNE 10, 2019

CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

B. REVISED 2014/15 AND 2015/16 ASSESSMENT PACKAGES



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: June 12, 2019 (OAP)
June 13, 2019 (AP and ONAP)

TO: Pool Committee Members

SUBJECT: Revised 2014/15 and 2015/16 Assessment Packages (Business Item II.B.)

SUMMARY

Issue: Chino Basin Watermaster 2014/15 and 2015/16 Assessment Packages, need to be revised based on the April 28, 2017 and March 15, 2019 court orders.

Recommendation: Recommend Advisory Committee approval of the Revised 2014/15 and 2015/16 Assessment Packages along with the assessment of Desalter Replenishment Obligation.

Financial Impact: The Revised Assessment Packages will reallocate the assessments amongst the Appropriators and allocate desalter replenishment obligation. Any and all obligations will be collected at the end of the revision of all prior assessment packages (2014/15 through 2018/19).

Future Consideration

Agricultural Pool – June 12, 2019: Advice and assistance
Appropriative Pool – June 13, 2019: Advice and assistance
Non-Agricultural Pool – June 13, 2019: Advice and assistance
Advisory Committee – September 19, 2019: Approval
Watermaster Board – September 26, 2019: Approval [Advisory Committee Approval Required]

ACTIONS:

Agricultural Pool – June 12, 2019:
Appropriative Pool – June 13, 2019:
Non-Agricultural Pool – June 13, 2019:
Advisory Committee – September 19, 2019:
Watermaster Board – September 26, 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 issues an Assessment Package annually based on production during the previous production year (July 1 through June 30). Production information is generally collected quarterly, and other necessary information is collected annually. Assessments create funds that are used during the current fiscal year for budgeted expenses, including purchase of water to meet replenishment obligations. Assessments are based on the approved budget allocated across the total assessable production in the Basin.

Assessment Packages were issued annually while the Safe Yield recalculation was being considered by the Parties and the Court. The Court's April 28, 2017 Order was appealed and has since been resolved, which concludes the 2015 Safe Yield recalculation process. The Court's March 15, 2019 Order directs Watermaster to implement the agreed upon changes by the Appropriative Pool to previously approved Assessment Packages beginning with the 2014/15 Assessment Package.

DISCUSSION

On April 28, 2017, the Court issued an order that lowers the total annual Operating Safe Yield by 5,000 acre-feet beginning with the 2015/16 Assessment Package. The Order also re-prioritizes Land Use Conversion in the calculation of the Agricultural Pool Safe Yield reallocation. On March 15, 2019, the Court issued an order that directs Watermaster to implement the Parties' agreed upon procedures in regard to the Desalter Replenishment Obligation beginning with the 2014/15 Assessment Package, and to the Agricultural Pool Safe Yield reallocation beginning with the 2015/16 Assessment Package.

Immediately after the issuance of the March 15, 2019 Court Order, Watermaster began revising the first of last five previously approved Assessment Packages, the 2014/15 Assessment Package. The 2014/15 Assessment Package was originally approved on November 25, 2014. Although the Operating Safe Yield and the Agricultural Pool Safe Yield reallocation method remain unchanged in the 2014/15 Assessment Package, it was revised to include the Desalter Replenishment Obligation summary and assessment based on the Parties' agreement. In late April, Watermaster sent a summary of the Desalter Replenishment Obligation, a summary of the Appropriative Pool's storage account balances, and a "Transfer from Storage to Satisfy DRO" form to the Appropriative Pool members. Each member was given the opportunity to make a transfer out of their storage account(s) to satisfy their share of the DRO. Most of the Parties have responded and their storage account balances were adjusted accordingly.

In early May, Watermaster began revising the next Assessment Package, the 2015/16 Assessment Package. Just as it was done in the 2014/15 Assessment Package revision, an updated storage account balances summary along with a summary of the 2015/16 DRO, and a transfer form was sent to the Parties. Several Parties have responded, and the 2015/16 Assessment Package storage account balances have been adjusted accordingly.

In addition to the assessments of the Desalter Replenishment Obligation, the adjusted Operating Safe Yield and the new Agricultural Pool Safe Yield reallocation method have been implemented in the 2015/16 Assessment Package. The total annual Operating Safe Yield of the Appropriative Pool was adjusted from 54,834 acre-feet to 49,834 acre-feet, allocated to each Party based on their percentage of Operating Safe Yield. The new Agricultural Pool Safe Yield reallocation method also redistributed the un-pumped Agricultural Pool Safe Yield to the Appropriative Pool Parties.

Because of the changes in OSY and Agricultural Pool Safe Yield reallocation in the 2015/16 Assessment Package, the production right of each Appropriator (with an Operating Safe Yield) has changed, which also resulted in the change of the amount of water that is put into their Excess Carry Over Storage Account and the amount of water that is carried over to their annual account in the proceeding Assessment Year. The change also required Watermaster to re-evaluate the Water Transactions that occurred during production year 2014/15, specifically those transactions that were from "annual account first, then any additional from storage."

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

In the originally approved 2015/16 Assessment Package, the Exhibit "G" water purchases were not treated as Two-Party Transactions and the 85/15 Rule was not properly applied. The 85/15 Rule was later applied, and the adjustments were made in the 2016/17 Assessment Package. The Revised 2015/16 Assessment Package has corrected this oversight by taking the Exhibit "G" water purchases from the 2014/15 production year and converted them into Two-Party Transactions so that the 85/15 Rule would be correctly applied. In accordance with direction from the Appropriative Pool the Exhibit "G" water purchases were not re-evaluated and the cost per acre-foot as well as the volume were not changed.

Additionally, the Revised 2014/15 and 2015/16 Assessment Packages incorporate the structural and formatting changes from the last approved Assessment Package, the 2018/19 Assessment Package. Other changes include the removal of the Desalter Induced Recharge (DIR), and the Stormwater New Yield. However, the Stormwater New Yield will be shown in the Revised Assessment Packages with all zeroes, but it will not be shown in the next Assessment Package after the revision process has completed.

Watermaster held an Assessment Package Workshop for the two Revised Assessment Packages on June 6, 2019. Two changes resulted from the Workshop: a correction in the column headings on Page 12.1; and an added footnote on Page 21.1 regarding the Fontana Union Water Company's water transfer to satisfy DRO.

The Revised 2014/15 and 2015/16 Assessment Packages are being presented to the Pools for consideration. The Revised 2016/17 and 2017/18 Assessment Packages are currently being prepared and it is anticipated they will be presented to the Pools for consideration in July. The Revised 2018/19 Assessment Package is anticipated be presented to the Pools in September. All five Revised Assessment Packages will then be presented at once to the Advisory Committee and Watermaster Board for approval, and for the authority to levy necessary assessment in September. Watermaster plans to levy any necessary assessments for all outstanding obligations that result from the revision of all five prior Assessment Packages following Board approval.

ATTACHMENTS

1. Revised 2014/15 Assessment Package (DRAFT)
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2. Revised 2015/16 Assessment Package (DRAFT)
<https://cbwm.syncedtool.com/shares/file/ba4d1cac2a7503/>
3. Original 2014/15 Assessment Package (APPROVED)
<https://cbwm.syncedtool.com/shares/file/e9c307c5db8060/>
4. Original 2015/16 Assessment Package (APPROVED)
<https://cbwm.syncedtool.com/shares/file/a1675a24f32aed/>

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Revised 2014/15 Assessment Package (DRAFT)

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Revised 2015/16 Assessment Package (DRAFT)

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Original 2014/15 Assessment Package (APPROVED)

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Original 2015/16 Assessment Package (APPROVED)

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

C. 2018 PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE ANNUAL REPORT



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: June 12, 2019 (OAP)
June 13, 2019 (AP and ONAP)

TO: Pool Committee Members

SUBJECT: 2018 Annual Report of the Prado Basin Habitat Sustainability Committee
(Business Item II.C.)

SUMMARY

Issue: Pursuant to the monitoring and mitigation requirements of the Peace II Subsequent Environmental Impact Report, the Prado Basin Habitat Sustainability Committee must prepare an Annual Report. The Committee presents its 3rd Annual Report for Water Year 2018.

Recommendation: Recommend Advisory Committee to recommend the Watermaster Board to receive and file.

Financial Impact: No impact.

Future Consideration

Agricultural Pool: June 12, 2019: Advice and assistance **Appropriative Pool: June 13, 2019:** Advice and assistance
Non-Agricultural Pool: June 13, 2019: Advice and assistance

Advisory Committee: June 20, 2019: Recommend Board to receive and file
Watermaster Board: June 27, 2019: Receive and file [Watermaster D & P]

ACTIONS:

Agricultural Pool – June 12, 2019:
Appropriative Pool – June 13, 2019:
Non-Agricultural Pool – June 13, 2019:
Advisory Committee – June 20, 2019:
Watermaster Board – June 27, 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 Prado Flood Control Basin (Prado Basin) is located in the southernmost, downgradient portion of the Chino Groundwater Basin (Chino Basin). Surface-water flow within the middle Santa Ana River (SAR) and its tributaries discharge into and through the Prado Basin behind Prado Dam, the main flood-control facility on the middle SAR. The US Army Corps of Engineers, in coordination with the Orange County Water District (OCWD), regulates releases from Prado Dam for the purposes of flood control and groundwater recharge in Orange County. The major components of discharge within the SAR and its tributaries are: runoff from precipitation, discharge of tertiary-treated effluent from wastewater treatment plants, rising groundwater, discharge of untreated imported water for groundwater recharge, and other dry-weather runoff. The SAR and its tributaries are unlined across the Prado Basin, which allows for groundwater/surface-water interaction. Groundwater in Chino Basin generally flows from the forebay regions in the north towards Prado Basin in the south. Depth to groundwater is relatively shallow in the Prado Basin area, where groundwater losses can occur via evapotranspiration by riparian vegetation and rising-groundwater outflow to the SAR and its tributaries.

The surface-water impoundments behind Prado Dam and the shallow groundwater have created within Prado Basin the largest riparian forest in Southern California. The riparian forest provides critical habitat for various threatened and endangered species including the Least Bell's Vireo, Southwestern Willow Flycatcher, Yellow-Billed Cuckoo, and the Santa Ana Sucker.

To further implement the goals and objectives of the Chino Basin Optimum Basin Management Program (OBMP), the Chino Basin Watermaster executed the Peace II Agreement in 2007. The primary features of the Peace II Agreement are to provide for Basin Re-operation and the attainment of Hydraulic Control of the Chino Basin. Hydraulic Control is defined as the elimination of groundwater discharge from the Chino-North Management Zone to the Prado Basin, or its reduction to *de minimis* quantities (i.e., less than 1,000 acre-feet per year [afy]). Hydraulic Control ensures that the water management activities in the Chino-North Management Zone will not impair the beneficial uses designated for water quality of the SAR downstream of Prado Dam. Basin Re-operation means the increase in controlled overdraft of the Chino Basin, as defined in the Judgment, from 200,000 acre-ft over the period of 1978 through 2017 to 600,000 acre-ft through 2030. Both desalter expansion in the southwestern portion of the Chino Basin and Re-operation (controlled overdraft over the whole of the Chino Basin) are required to achieve Hydraulic Control. Hydraulic Control was achieved in 2016, and will be maintained through expansion of the desalter program from its current approximate 30,000 afy of groundwater production to 40,000 afy, and the completion of Basin Re-operation.

One of the potential impacts of the Peace II Agreement activities described above is the lowering of groundwater levels (drawdown) in the Prado Basin area, which may impact the riparian habitat that is dependent upon groundwater. To address the potential drawdown and its impact on the riparian habitat, the monitoring and mitigation requirements in the Peace II Subsequent Environmental Impact Report (SEIR) calls for the development and implementation of an adaptive management program for the Prado Basin habitat:

Biological Resources/Land Use & Planning—Section 4.4-3 of the Peace II SEIR

The Chino Basin Stakeholders are committed to ensuring that the Peace II Agreement actions will not significantly adversely impact the Prado Basin riparian habitat. This includes the riparian portions of Chino and Mill Creek's between the terminus of hard lined channels and Prado Basin proper.

The available modeling data in the SEIR indicates that Peace II Agreement implementation will not cause significant adverse effects on the Prado Basin riparian habitat. However, the following contingency measure will be implemented to ensure that the Prado Basin riparian habitat will not incur unforeseeable significant adverse effects, due to implementation of Peace II. IEUA, Watermaster, OCWD and individual stakeholders, that choose to participate, will jointly fund and develop an adaptive management program that will include, but not be limited to:

- *monitoring riparian habitat quality and extent;*

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

- *investigating and identifying essential factors to long-term sustainability of Prado Basin riparian habitat;*
- *identification of specific parameters that can be monitored to measure potential effects of Peace II Agreement implementation effects on Prado Basin; and*
- *identification of water management options to minimize the Peace II Agreement effects on Prado Basin.*

This adaptive management program will be prepared as a contingency to define available management actions by Prado Basin stakeholders to address unforeseeable significant adverse impacts, as well as to contribute to the long-term sustainability of the Prado Basin riparian habitat.

The above effort will be implemented under the supervision of a newly-formed Prado Basin Habitat Sustainability Committee. This Committee will include representatives from all interested parties and will be convened by the Watermaster and IEUA. Annual reports will be prepared and will include recommendations for ongoing monitoring and any adaptive management actions required to mitigate any measured loss or prospective loss of riparian habitat that may be attributable to the Peace II Agreement. As determined by Watermaster and IEUA, significant adverse impacts to riparian habitat that are attributable to the Peace II Agreement will be mitigated.

Pursuant to these monitoring and mitigation requirements of the Peace II SEIR, the Inland Empire Utilities Agency (IEUA) and the Chino Basin Watermaster (Watermaster) convened the Prado Basin Habitat Sustainability Committee (PBHSC) to develop the Prado Basin Habitat Sustainability Program (PBHSP). The PBHSP is an adaptive management program to ensure that the riparian habitat in the Prado Basin will not incur unforeseeable significant adverse effects due to implementation of the Peace II Agreement.

The draft Annual Report for Water Year (WY) 2018 was published and distributed on April 30, 2019. Watermaster and IEUA presented the draft report to members of the PBHSC at a meeting on May 14, 2019. A fourteen day comment period was provided, and no comments were received.

DISCUSSION

The Annual Report for WY 2018 is the third annual report prepared by the Watermaster and IEUA for the PBHSC. It documents the collection, analysis, and interpretations of the data and information generated by the PSHSP through September 30, 2018 and is organized into the following sections:

Section 1 – Introduction. This section describes the background and objectives of the PBHSP and the Annual Report.

Section 2 – Monitoring, Data Collection, and Methods. This section describes the collection of historical information and recent monitoring data, and the groundwater-modeling activities performed during WY 2018 for the PBHSP.

Section 3 – Results and Interpretations. This section describes the results and interpretations that were derived from the information, data, and groundwater-modeling.

Section 4 – Conclusions and Recommendations. This section summarizes the main conclusions derived from the PBHSP through the prior water year and describes the recommended activities for the subsequent fiscal year as a proposed scope-of-work, schedule, and budget.

Section 5 – References. This section lists the publications cited in the report.

The Report's Main Findings and Recommendations:

The quality of riparian habitat has been characterized through analyses of air photos, maps, and time-series charts of NDVI for large and small areas located throughout the Prado Basin. This analysis has indicated notable declines in the greenness of the riparian vegetation over the past one to three years (2015-2018) in some areas:

Declining groundwater levels are not likely the cause of the recent declines in the greenness of the riparian vegetation because groundwater levels across the study area were relatively stable during 2015-2018.

The Prado Basin has experienced a prolonged dry period over the last 19 years and a recent warming trend, particularly over the last six years. The dry conditions and warming temperatures may be a contributing cause of recent declines in the greenness of the riparian vegetation during 2015-2018.

Stream discharge during the growing season in Chino Creek, Mill Creek, and the SAR has decreased over time. These declines in stream discharge during the growing season may be a contributing cause of the recent declines in the greenness of the riparian vegetation during 2015-2018.

Wildfires in the Prado Basin burned areas of riparian habitat southeast of the OCWD Wetlands in 2015 and along Chino Creek in 2018, which contributed to recent declines in the greenness of the riparian vegetation during 2015-2018.

The vegetation field surveys performed by the USBR in 2016 noted the presence of a pest (PSHB) at about 80 percent of the sites surveyed along Chino Creek, Mill Creek, and the SAR. PSHB can affect tree health and result in reduced canopy cover or tree mortality. The PSHB may be a contributing cause of recent declines in the greenness of the riparian vegetation during 2015-2018.

There are numerous habitat restoration projects implemented by OCWD, SAWA, and others throughout the Prado Basin, including the removal of arundo, a non-native invasive plant. The removal of arundo helps to restore native vegetation and reduce the consumptive use of water but can also cause declines in the greenness of the riparian vegetation. This was observed in the upper reach of the SAR near SAR-1 from 2016-2018 and the area southeast of the OCWD Wetlands where the regrowth of arundo is being treated within the 2015 wildfire burn area.

Shallow groundwater in Prado Basin provides a source water for consumptive use by the riparian vegetation. Analysis of groundwater/surface water interactions in the Prado Basin indicates that the northern reaches of Mill Creek and the SAR are "losing reaches," characterized by streambed recharge. Most other areas along Chino Creek and Mill Creek are "gaining reaches," characterized by groundwater discharge. However, at most locations in Prado Basin, groundwater/surface-water interactions are complex, and there appears to be multiple, transient source waters that feed the shallow groundwater. Additional monitoring is needed to better characterize the source waters and the groundwater/surface-water interactions in these locations. This additional monitoring began in WY 2018 as a pilot program that included the installation of probes in selected PBHSP monitoring wells and in the adjacent surface water.

The annual report includes a recommended scope of work for monitoring and reporting for FY 2019/20 with an estimated cost of \$267,000. Watermaster and IEUA have approved the scope-of-work and budget recommendations and are cost-sharing partners for this program. The Orange County Water District will also contribute \$10,000 for the acquisition of a high-resolution air photo of the Prado Basin in 2018.

At this time, the PBHSC is not recommending any changes in the Adaptive Management Plan or any mitigation measures for Hydraulic Control or Basin Re-Operation at this time.

ATTACHMENTS

1. 2018 Annual Report of the Prado Basin Habitat Sustainability Committee
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Annual Report of the Prado Basin Habitat Sustainability
Committee

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS (AP & OAP)

**D. TOLLING AGREEMENT BY AND BETWEEN THE OVERLYING
(AGRICULTURAL) POOL COMMITTEE AND THE APPROPRIATIVE
POOL COMMITTEE**

TOLLING AGREEMENT

This Tolling Agreement (“Agreement”) is entered into by and between the Overlying (Agricultural) Pool Committee (“Agricultural Pool”) and the Appropriative Pool Committee (“Appropriative Pool”).¹ The entities entering into this Agreement are each an individual “Party” and collectively the “Parties” to this Agreement.

WHEREAS, the Chino Groundwater Basin (“Chino Basin”) has been adjudicated and is managed pursuant to the Chino Basin Judgment (“Judgment”) and Court Approved Management Agreements; and

WHEREAS, the Agricultural Pool consists of the State of California and all overlying producers; and

WHEREAS, the Appropriative Pool consists of owners of appropriative rights in the Chino Basin; and

WHEREAS, on February 3, 2017, the Chino Basin Watermaster (“Watermaster”) noticed an Appropriative Pool Application for Excess Carryover Water Local Storage Agreements (the “February Application”); and

WHEREAS, on May 4, 2017, Watermaster noticed Applications for Sale or Transfer of Water (the “May Applications”); and

WHEREAS, on May 3, 2017, the Agricultural Pool filed a Contest to the February Application; and

WHEREAS, on May 17, 2017, the Agricultural Pool filed a Contest to the May Applications; and

WHEREAS, the Parties entered into a tolling agreement to consolidate and toll the Agricultural Pool’s Contests and to begin an open and transparent storage management planning process (First Tolling Agreement); and

¹ Members of the Appropriative Pool have authorized execution of this Agreement on their behalf acting collectively through the Appropriative Pool pursuant to Committee voting procedures set forth in the Appropriative Pool Committee Pooling Plan (Judgment, Exhibit H). Such authorization does not assign, confer or abrogate the rights or exercise of rights of individual members of the Appropriative Pool.

WHEREAS, on June 8, 2018, Watermaster noticed Applications for Water Transactions (the “June Applications”); and

WHEREAS, the First Tolling Agreement expired on July 1, 2018; and

WHEREAS, beginning in July 2017, an open and transparent storage management planning process was initiated to identify and improve existing storage management practices; and

WHEREAS, on July 12, 2018, the Agricultural Pool filed a Contest to the June Applications; and

WHEREAS, the Parties entered into a second tolling agreement (Second Tolling Agreement) to extend the terms of the First Tolling Agreement; and

WHEREAS, the Second Tolling Agreement expired on January 31, 2019; and

WHEREAS, the Parties entered into a third tolling agreement (Third Tolling Agreement) to extend the terms of the Second Tolling Agreement; and

WHEREAS, the Third Tolling Agreement expires on July 31, 2019; and

WHEREAS, the Parties agree to work together for the benefit of the entire Chino Basin.

NOW, THEREFORE, the Parties agree that it is in the Parties’ mutual interest to enter into this Agreement.

1. The “Effective Date” of this Agreement shall be the last date it is executed by a Party.
2. The term of this Agreement shall run from the Effective Date to December 31, 2019, unless otherwise terminated or extended by written agreement by the Parties pursuant to paragraph 13, below.
3. The Appropriative Pool shall hold in reserve 130,000 acre-feet (“AF”) of stored that will not be produced for the term of the Agreement, except if in the event that the member of the Appropriative Pool has made a finding pursuant to Water Code section 350 that the ordinary demands and requirements of its customers cannot be satisfied by its other supplies such that, without access to this water, it would have insufficient supplies for human consumption, sanitation, and fire protection. Any challenge to such a determination under Water Code section

350 is not subject to this tolling agreement.

4. For the term of this Agreement, the Agricultural Pool and its members agree to toll the July 12, 2018 Contest, which includes the Agricultural Pool's May 3, 2017 and May 17, 2017 contests, and not to oppose any Appropriative Pool member's applications for storage agreements or transfers of stored water.

5. The Appropriative Pool waives completion of the Contest hearing and related actions within 180 days as otherwise required by Watermaster Regulations section 10.25(g) during the Term of this Agreement. The Parties and Parties members' rights and remedies arising under the Contest are fully reserved and tolled without prejudice during the Term.

6. The Parties agree to continue the open and transparent storage management planning process initiated under the First Tolling Agreement, including additional technical review and study of the effects of the entirety of water held and likely to accumulate in storage accounts.

7. The Appropriative Pool acknowledges that funding has been budgeted for work necessary for the storage management planning process.

8. The Parties shall not introduce amendments to the Rules and Regulations section on Storage (Article VIII Storage) during the term of this Agreement.

9. The signatories to this Agreement are duly authorized to execute and bind on behalf of the Parties.

10. The laws and courts of the State of California shall govern and control the interpretation and enforcement of this Agreement.

11. This Agreement contains all the terms and conditions agreed upon by the Parties relating to the matters covered herein and supersedes any and all prior and contemporaneous agreements, negotiations, correspondence, understandings, and/or communications between the Parties to this Agreement, whether oral or written, respecting the matters covered herein.

12. If any provision of this Agreement is held to be illegal or invalid by any court of competent jurisdiction, then such provision shall be severed and deleted, and neither such provision nor its severance and deletion shall affect the validity of the remaining provisions.

13. No agreement to modify, amend, extend, supersede, terminate or discharge this Agreement, or any portion thereof, is valid or enforceable unless it is in writing and signed by all Parties to this Agreement.

OVERLYING (AGRICULTURAL) POOL
COMMITTEE

APPROPRIATIVE POOL COMMITTEE

Robert Feenstra, Chair

Date

Van Jew, Chair

Date

CHINO BASIN WATERMASTER

IV. INFORMATION

1. Cash Disbursements for May 2019

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
May 2019

For Informational Purposes Only

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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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Cash Disbursements For The Month of
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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
P138 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

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	05/03/2019	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						857.37
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						744.12
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						100.04
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						88.20
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						40,888.57
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						1,703.71
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						88,407.72
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						155.50
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						45,399.30
Bill Pmt -Check	05/07/2019	ACH 050719	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
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For Informational Purposes Only

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						8,287.63
Bill Pmt -Check	05/08/2019	21459	COSTCO WHOLESALE	VOID:	1012 · Bank of America Gen'l Ckg	0.00
TOTAL						0.00
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						969.69
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						250.00
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						375.00
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						13,337.50
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						250.00
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						625.00
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

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
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For Informational Purposes Only

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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 / CBWWM 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
TOTAL						<u>413.13</u>
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
TOTAL						<u>740.00</u>
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
TOTAL						<u>7,444.83</u>
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
TOTAL						<u>610.00</u>
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
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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
May 2019

For Informational Purposes Only

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						8,300.80
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						125.00
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						6,866.54
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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						850.00
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						125.00
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						335.56
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						145.84
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						2,661.62
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

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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	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						<u>4,510.00</u>
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						<u>51.80</u>
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						<u>1,000.00</u>
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						<u>195.00</u>
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						<u>66.36</u>
Bill Pmt -Check	05/22/2019	21486	SANTA ANA WATERSHED PROJECT AUTHORI' VOID: 9387		1012 · Bank of America Gen'l Ckg	0.00
TOTAL						<u>0.00</u>
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						<u>552.42</u>
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						<u>25.87</u>

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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						459,025.40	
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		4/18/9 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						1,250.00	
P149	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						744.12	
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						367.53	
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						117.14	
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						7,444.83	
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						-350.50	
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						5,456.55	

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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						5,889.75
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						600.69
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						500.00
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						1,634.00
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						115.00
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						120.12
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						857.37
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						500.00

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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>
					Total Disbursements:	<u><u>889,735.94</u></u>

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