

# CHINO BASIN WATERMASTER



## NOTICE OF MEETINGS

**Thursday, July 9, 2020**

- 9:00 a.m. – Appropriative Pool Meeting
- 11:00 a.m. – Non-Agricultural Pool Meeting
- 1:30 p.m. – Agricultural Pool Meeting

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

*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*

# **CHINO BASIN WATERMASTER**

**Thursday, July 9, 2020**

9:00 a.m. – Appropriative Pool Meeting  
11:00 a.m. – Non-Agricultural Pool Meeting  
1:30 p.m. – Agricultural Pool Meeting

***POOL AGENDAS***

**CHINO BASIN WATERMASTER  
APPROPRIATIVE POOL MEETING**

9:00 a.m. – July 9, 2020

*Mr. John Bosler, Chair*

*Mr. Cris Fealy, Vice-Chair*

**Meeting Available by Remote Access Only\***

Click on this [link](#) to access by PC/Smart Device

OR

Conference Call: (571) 317-3122

Code: 777-756-005

**AGENDA**

**CALL TO ORDER**

**ROLL CALL**

**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 Special Meeting held June 5, 2020
2. Minutes of the Appropriative Pool Meeting held June 11, 2020
3. Minutes of the Appropriative Pool Special Meeting held June 17, 2020

**B. FINANCIAL REPORTS**

Receive and file as presented:

1. Cash Disbursements for the month of May 2020
2. Watermaster VISA Check Detail for the month of May 2020
3. Combining Schedule for the Period July 1, 2019 through May 31, 2020
4. Treasurer's Report of Financial Affairs for the Period May 1, 2020 through May 31, 2020
5. Budget vs. Actual Report for the Period July 1, 2019 through May 31, 2020
6. Cash Disbursements for June 2020 (Information Only)

**C. HAMNER PARK ASSOCIATES, LP OVERLYING (NON-AGRICULTURAL) POOL INTERVENTION REQUEST**

Recommend to the Advisory Committee to recommend Watermaster filing the request for intervention with the Court.

**D. APPLICATION: WATER TRANSACTION**

The permanent transfer of 464.240 acre-feet of Safe Yield rights from Carlsberg Mobile Home Properties, LTD '73 to Hamner Park Associates, LP. This is a permanent transfer based on transfer of land ownership by Grant Deed dated September 30, 1987. This transfer is contingent on Hamner Park Associates, LP's successful intervention into the Overlying (Non-Agricultural) Pool.

**E. APPLICATION: WATER TRANSACTION**

Provide advice and assistance to the Watermaster Board on the proposed transaction:

The purchase of 708.3 acre-feet of water from West End Consolidated Water Company by the City of Upland. This purchase is made from West End Consolidated Water Company's Annual Production Right. The City of Upland is utilizing this transaction to produce its West End Consolidated Water Company shares. Date of application: June 18, 2020.

**F. APPLICATION: WATER TRANSACTION**

Provide advice and assistance to the Watermaster Board on the proposed transaction:

The permanent transfer of Safe Yield Rights from Nicholson Trust to Nicholson Family Trust. Date of application: June 9, 2020.

**G. APPLICATION: RECHARGE**

Recommend Advisory Committee to recommend to the Watermaster Board to approve Cucamonga Valley Water District's Application for Recharge and direct Watermaster staff to account for this supplemental water recharged in Cucamonga Valley Water District's existing Local Supplemental Storage account.

**H. APPLICATION: RECHARGE**

Recommend Advisory Committee to recommend to the Watermaster Board to approve Fontana Water Company's Application for Recharge (up to 300 acre-feet to be recharged into the Vulcan Basin) and direct Watermaster staff to account for this supplemental water recharged in Fontana Water Company's existing Local Supplemental Storage account.

**I. APPLICATION: RECHARGE**

Recommend Advisory Committee to recommend to the Watermaster Board to approve Fontana Water Company's Application for Recharge (up to 100 acre-feet to be recharged into the vineyard located along the south side of Beech Avenue and east of Cherry Avenue in the City of Fontana (MAR project)) and direct Watermaster staff to account for this supplemental water recharged in Fontana Water Company's existing Local Supplemental Storage account.

**J. APPLICATION: RECHARGE**

Recommend Advisory Committee to recommend to the Watermaster Board to approve San Antonio Water Company's Application for Recharge and direct Watermaster staff to account for this supplemental water recharged in San Antonio Water Company's existing Local Supplemental Storage account.

**II. BUSINESS ITEMS****A. TASK ORDER NO. 6 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS: WATER DEMAND PROJECTIONS BASED ON LAND USE**

Recommend to the Advisory to Committee to approve the Task Order No. 6 as presented.

**B. BUDGET AMENDMENT FORM A-20-07-01**

Recommend Advisory Committee approval.

**C. OBMPU IMPLEMENTATION PLAN/PEACE AGREEMENT AMENDMENT (FOR DISCUSSION AND POSSIBLE ACTION)**

Offer suggestions to Watermaster staff.

**D. POTENTIAL OPTIONS TO ADDRESS LIMITATION ON STORAGE (FOR DISCUSSION AND POSSIBLE ACTION)**

Consider various options and offer input to Watermaster staff.

**III. REPORTS/UPDATES**

**A. LEGAL COUNSEL REPORT**

1. San Bernardino County Superior Court Emergency Order
2. June 26, 2020 Hearing
3. July 10, 2020 Hearing

**B. ENGINEER REPORT**

1. MPI Analyses
  - CVWD Recharge at Turner
  - SAWCo recharge at Upland and Montclair
  - FWC Recharge at Vineyard near San Sevaine and Vulcan
2. Safe Yield Reset Support

**C. CFO REPORT**

None

**D. GM REPORT**

1. Status report: OBMP Update
2. Status report: OAP Contest
3. COVID-19 Business Operation Plan
4. August Meeting Schedule
5. Revised CY 2020 ONAP Volume Vote
6. Other

**IV. POOL MEMBER COMMENTS**

**V. OTHER BUSINESS**

**VI. CONFIDENTIAL SESSION - POSSIBLE ACTION**

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

1. Agricultural Pool Contest
2. Court Hearing
3. OBMP Implementation Plan Agreement

**VII. FUTURE MEETINGS AT WATERMASTER\***

7/09/20	Thu	9:00 a.m.	Appropriative Pool
7/09/20	Thu	11:00 a.m.	Non-Agricultural Pool
7/09/20	Thu	1:30 p.m.	Agricultural Pool
7/16/20	Thu	9:00 a.m.	Advisory Committee
7/16/20	Thu	9:30 a.m.	Recharge Investigations and Projects Committee (RIPCom)
7/23/20	Thu	9:00 a.m.	Ground-Level Monitoring Committee (GLMC)
7/23/20	Thu	11:00 a.m.	Watermaster Board

\*NOTE: Due to the uncertainty related to COVID-19, and for the safeguarding of all, Watermaster meetings will continue to be held remotely until further notice. Remote access to the open portions of the meetings will be provided with each meeting notice. Confidential session numbers will be provided directly to Appropriative Pool Members/Alternates separately.

**ADJOURNMENT**

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

11:00 a.m. – July 9, 2020

*Mr. Brian Geye, Chair*

*Mr. Bob Bowcock, Vice-Chair*

**Meeting Available by Remote Access Only\***

Click on this [link](#) to access by PC/Smart Device

OR

Conference Call: (786) 535-3211

Access Code: 951-695-621

**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 June 11, 2020

**B. FINANCIAL REPORTS**

Receive and file as presented:

1. Cash Disbursements for the month of May 2020
2. Watermaster VISA Check Detail for the month of May 2020
3. Combining Schedule for the Period July 1, 2019 through May 31, 2020
4. Treasurer's Report of Financial Affairs for the Period May 1, 2020 through May 31, 2020
5. Budget vs. Actual Report for the Period July 1, 2019 through May 31, 2020
6. Cash Disbursements for June 2020 (Information Only)

**C. HAMNER PARK ASSOCIATES OVERLYING (NON-AGRICULTURAL) POOL INTERVENTION REQUEST**

Recommend to the Advisory Committee to recommend Watermaster filing the request for intervention with the Court.

**D. APPLICATION: WATER TRANSACTION**

The permanent transfer of 464.240 acre-feet of Safe Yield rights from Carlsberg Mobile Home Properties, LTD '73 to Hamner Park Associates, LP. This is a permanent transfer based on transfer of land ownership by Grant Deed dated September 30, 1987. This transfer is contingent on Hamner Park Associates, LP's successful intervention into the Overlying (Non-Agricultural) Pool.

**E. APPLICATION: WATER TRANSACTION**

Provide advice and assistance to the Watermaster Board on the proposed transaction:

The purchase of 708.3 acre-feet of water from West End Consolidated Water Company by the City of Upland. This purchase is made from West End Consolidated Water Company's Annual Production Right. The City of Upland is utilizing this transaction to produce its West End Consolidated Water Company shares. Date of application: June 18, 2020.

**F. APPLICATION: WATER TRANSACTION**

Provide advice and assistance to the Watermaster Board on the proposed transaction:  
The permanent transfer of Safe Yield Rights from Nicholson Trust to Nicholson Family Trust. Date of application: June 9, 2020.

**G. APPLICATION: RECHARGE**

Recommend Advisory Committee to recommend to the Watermaster Board to approve Cucamonga Valley Water District's Application for Recharge and direct Watermaster staff to account for this supplemental water recharged in Cucamonga Valley Water District's existing Local Supplemental Storage account.

**H. APPLICATION: RECHARGE**

Recommend Advisory Committee to recommend to the Watermaster Board to approve Fontana Water Company's Application for Recharge (up to 300 acre-feet to be recharged into the Vulcan Basin) and direct Watermaster staff to account for this supplemental water recharged in Fontana Water Company's existing Local Supplemental Storage account.

**I. APPLICATION: RECHARGE**

Recommend Advisory Committee to recommend to the Watermaster Board to approve Fontana Water Company's Application for Recharge (up to 100.000 acre-feet to be recharged into the vineyard located along the south side of Beech Avenue and east of Cherry Avenue in the City of Fontana (MAR project)) and direct Watermaster staff to account for this supplemental water recharged in Fontana Water Company's existing Local Supplemental Storage account.

**J. APPLICATION: RECHARGE**

Recommend Advisory Committee to recommend to the Watermaster Board to approve San Antonio Water Company's Application for Recharge and direct Watermaster staff to account for this supplemental water recharged in San Antonio Water Company's existing Local Supplemental Storage account.

**K. REVISED CALENDAR YEAR 2020 VOLUME VOTE**

Receive and file the revised Calendar Year 2020 Overlying (Non-Agricultural) Pool Volume Vote as presented.

**II. BUSINESS ITEMS**

**A. TASK ORDER NO. 6 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS: WATER DEMAND PROJECTIONS BASED ON LAND USE**

Recommend to the Advisory to Committee to approve the Task Order No. 6 as presented.

**B. BUDGET AMENDMENT FORM A-20-07-01**

Recommend Advisory Committee approval.

**C. OBMPU IMPLEMENTATION PLAN/PEACE AGREEMENT AMENDMENT (FOR DISCUSSION AND POSSIBLE ACTION)**

Offer suggestions to Watermaster staff.

**D. POTENTIAL OPTIONS TO ADDRESS LIMITATION ON STORAGE (FOR DISCUSSION AND POSSIBLE ACTION)**

Consider various options and offer input to Watermaster staff.

**E. MEMBER STATUS CHANGES**

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. San Bernardino County Superior Court Emergency Order
2. June 26, 2020 Hearing
3. July 10, 2020 Hearing

**B. ENGINEER REPORT**

1. MPI Analyses
  - CVWD Recharge at Turner
  - SAWCo recharge at Upland and Montclair
  - FWC Recharge at Vineyard near San Sevaine and Vulcan
2. Safe Yield Reset Support

**C. CFO REPORT**

None

**D. GM REPORT**

1. Status report: OBMP Update
2. Status report: OAP Contest
3. COVID-19 Business Operation Plan
4. August Meeting Schedule
5. Other

**IV. POOL MEMBER COMMENTS**

**V. OTHER BUSINESS**

**VI. CONFIDENTIAL SESSION - POSSIBLE ACTION**

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

1. Safe Yield
2. Storage

**VII. FUTURE MEETINGS AT WATERMASTER\***

7/09/20	Thu	9:00 a.m.	Appropriative Pool
7/09/20	Thu	11:00 a.m.	Non-Agricultural Pool
7/09/20	Thu	1:30 p.m.	Agricultural Pool
7/16/20	Thu	9:00 a.m.	Advisory Committee
7/16/20	Thu	9:30 a.m.	Recharge Investigations and Projects Committee (RIPCom)
7/23/20	Thu	9:00 a.m.	Ground-Level Monitoring Committee (GLMC)
7/23/20	Thu	11:00 a.m.	Watermaster Board

\*NOTE: Due to the uncertainty related to COVID-19, and for the safeguarding of all, Watermaster meetings will continue to be held remotely until further notice. Remote access to the open portions of the meetings will be provided with each meeting notice. Confidential session numbers will be provided directly to Non-Agricultural Pool Members/Alternates separately.

**ADJOURNMENT**

**CHINO BASIN WATERMASTER  
AGRICULTURAL POOL MEETING**

1:30 p.m. July 9, 2020

*Mr. Bob Feenstra, Chair*

*Mr. Jeff Pierson, Vice-Chair*

**Meeting Available by Remote Access Only\***

Click on this [link](#) to access by PC/Smart Device

OR

Conference Call: (669) 224-3412

Access Code: 766-917-301

**AGENDA**

**CALL TO ORDER**

**ROLL CALL**

**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 June 11, 2020
2. Minutes of the Agricultural Pool Special Meeting held on June 30, 2020

**B. FINANCIAL REPORTS**

Receive and file as presented:

1. Cash Disbursements for the month of May 2020
2. Watermaster VISA Check Detail for the month of May 2020
3. Combining Schedule for the Period July 1, 2019 through May 31, 2020
4. Treasurer's Report of Financial Affairs for the Period May 1, 2020 through May 31, 2020
5. Budget vs. Actual Report for the Period July 1, 2019 through May 31, 2020
6. Cash Disbursements for June 2020 (Information Only)

**C. HAMNER PARK ASSOCIATES OVERLYING (NON-AGRICULTURAL) POOL INTERVENTION REQUEST**

Recommend to the Advisory Committee to recommend Watermaster filing the request for intervention with the Court.

**D. APPLICATION: WATER TRANSACTION**

The permanent transfer of 464.240 acre-feet of Safe Yield rights from Carlsberg Mobile Home Properties, LTD '73 to Hamner Park Associates, LP. This is a permanent transfer based on transfer of land ownership by Grant Deed dated September 30, 1987. This transfer is contingent on Hamner Park Associates, LP's successful intervention into the Overlying (Non-Agricultural) Pool.

**E. APPLICATION: WATER TRANSACTION**

Provide advice and assistance to the Watermaster Board on the proposed transaction:

The purchase of 708.3 acre-feet of water from West End Consolidated Water Company by the City of Upland. This purchase is made from West End Consolidated Water Company's Annual Production Right. The City of Upland is utilizing this transaction to produce its West End Consolidated Water Company shares. Date of application: June 18, 2020.

**F. APPLICATION: WATER TRANSACTION**

Provide advice and assistance to the Watermaster Board on the proposed transaction:

The permanent transfer of Safe Yield Rights from Nicholson Trust to Nicholson Family Trust. Date of application: June 9, 2020.

**G. APPLICATION: RECHARGE**

Recommend Advisory Committee to recommend to the Watermaster Board to approve Cucamonga Valley Water District's Application for Recharge and direct Watermaster staff to account for this supplemental water recharged in Cucamonga Valley Water District's existing Local Supplemental Storage account.

**H. APPLICATION: RECHARGE**

Recommend Advisory Committee to recommend to the Watermaster Board to approve Fontana Water Company's Application for Recharge (up to 300 acre-feet to be recharged into the Vulcan Basin) and direct Watermaster staff to account for this supplemental water recharged in Fontana Water Company's existing Local Supplemental Storage account.

**I. APPLICATION: RECHARGE**

Recommend Advisory Committee to recommend to the Watermaster Board to approve Fontana Water Company's Application for Recharge (up to 100 acre-feet to be recharged into the vineyard located along the south side of Beech Avenue and east of Cherry Avenue in the City of Fontana (MAR project)) and direct Watermaster staff to account for this supplemental water recharged in Fontana Water Company's existing Local Supplemental Storage account.

**J. APPLICATION: RECHARGE**

Recommend Advisory Committee to recommend to the Watermaster Board to approve San Antonio Water Company's Application for Recharge and direct Watermaster staff to account for this supplemental water recharged in San Antonio Water Company's existing Local Supplemental Storage account.

**II. BUSINESS ITEMS****A. TASK ORDER NO. 6 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS: WATER DEMAND PROJECTIONS BASED ON LAND USE**

Recommend to the Advisory to Committee to approve the Task Order No. 6 as presented.

**B. BUDGET AMENDMENT FORM A-20-07-01**

Recommend Advisory Committee approval.

**C. OBMPU IMPLEMENTATION PLAN/PEACE AGREEMENT AMENDMENT (FOR DISCUSSION AND POSSIBLE ACTION)**

Offer suggestions to Watermaster staff.

**D. POTENTIAL OPTIONS TO ADDRESS LIMITATION ON STORAGE (FOR DISCUSSION AND POSSIBLE ACTION)**

Consider various options and offer input to Watermaster staff.

**E. OLD BUSINESS**

**III. REPORTS/UPDATES**

**A. LEGAL COUNSEL REPORT**

1. San Bernardino County Superior Court Emergency Order
2. June 26, 2020 Hearing
3. July 10, 2020 Hearing

**B. ENGINEER REPORT**

1. MPI Analyses
  - CVWD Recharge at Turner
  - SAWCo recharge at Upland and Montclair
  - FWC Recharge at Vineyard near San Sevaive and Vulcan
2. Safe Yield Reset Support

**C. CFO REPORT**

None

**D. GM REPORT**

1. Status report: OBMP Update
2. Status report: OAP Contest
3. COVID-19 Business Operation Plan
4. August Meeting Schedule
5. Revised CY 2020 ONAP Volume Vote
6. Other

**IV. POOL DISCUSSION**

1. Chairman's Update
2. Pool Member Comments

**V. OTHER BUSINESS**

**VI. 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 26 Hearing
2. July 10 Hearing
3. Storage Contest
4. OBMPU

**VII. FUTURE MEETINGS AT WATERMASTER\***

7/09/20	Thu	9:00 a.m.	Appropriative Pool
7/09/20	Thu	11:00 a.m.	Non-Agricultural Pool
7/09/20	Thu	1:30 p.m.	Agricultural Pool
7/16/20	Thu	9:00 a.m.	Advisory Committee
7/16/20	Thu	9:30 a.m.	Recharge Investigations and Projects Committee (RIPCom)
7/23/20	Thu	9:00 a.m.	Ground-Level Monitoring Committee (GLMC)
7/23/20	Thu	11:00 a.m.	Watermaster Board

\*NOTE: Due to the uncertainty related to COVID-19, and for the safeguarding of all, Watermaster meetings will continue to be held remotely until further notice. Remote access to the open portions of the meetings will be provided with each meeting notice. Confidential session numbers will be provided directly to Agricultural Pool Members/Alternates separately.

**ADJOURNMENT**

# **CHINO BASIN WATERMASTER**

## **I. CONSENT CALENDAR (AP)**

### **A. MINUTES**

1. Appropriative Pool Special Meeting held June 5, 2020
2. Appropriative Pool Meeting held June 11, 2020
3. Appropriative Pool Special Meeting held June 17, 2020

**DRAFT MINUTES**  
**CHINO BASIN WATERMASTER**  
**APPROPRIATIVE POOL – SPECIAL MEETING**

June 5, 2020

The Appropriative Pool special meeting was held via conference call on June 5, 2020.

**APPROPRIATIVE POOL MEMBERS PRESENT ON CALL**

John Bosler, Chair	Cucamonga Valley Water District
Cris Fealy, Vice-Chair	Fontana Water Company
Cris Fealy	Nicholson Trust
Justin Scott-Coe for Van Jew	Monte Vista Water District
Justin Scott-Coe for Van Jew	Monte Vista Irrigation Company
Brian Lee	San Antonio Water Company
Chris Berch	Jurupa Community Services District
Ron Craig	City of Chino Hills
Steven Ledbetter for Rosemary Hoerning	City of Upland
Steven Ledbetter for Rosemary Hoerning	West End Consolidated Water Co.
Sam Gershon	Santa Ana River Water Company
Chris Diggs	City of Pomona
Scott Burton	City of Ontario
Dave Crosley	City of Chino
Ben Lewis	Golden State Water Company

**OTHERS PRESENT ON CALL**

John Schatz	John J. Schatz, Attorney at Law
Shawnda Grady	Ellison Schneider Harris & Donlan, LLP
Courtney Jones	City of Ontario
Eduardo Espinoza	Cucamonga Valley Water District
Jimmy Gutierrez	Jimmy L. Gutierrez, A Law Corporation
Thomas Harder	Thomas Harder & Co.
Amanda Coker	City of Chino
Eunice Ulloa	City of Chino
Steve Nix	City of Upland

**CALL TO ORDER**

Chair Bosler called the Appropriative Pool special meeting to order at 10:00 a.m.

**AGENDA – ADDITIONS/REORDER**

None

**I. CONFIDENTIAL SESSION**

Chair Bosler called for a confidential session at 10:00 a.m. to discuss the following:

1. 2020 OBMP Update and Related Items

Confidential session concluded at 11:45 a.m. with no reportable action.

**ADJOURNMENT**

Chair Bosler adjourned the Appropriative Pool special meeting at 11:45 a.m.

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

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

**DRAFT MINUTES**  
**CHINO BASIN WATERMASTER**  
**APPROPRIATIVE POOL MEETING**

June 11, 2020

The Appropriative Pool meeting was held by GoToMeeting (conference call and web meeting) on June 11, 2020.

**APPROPRIATIVE POOL MEMBERS PRESENT ON CALL**

John Bosler, Chair	Cucamonga Valley Water District
Cris Fealy, Vice Chair	Fontana Water Company
Cris Fealy	Nicholson Trust
Ron Craig	City of Chino Hills
Dave Crosley	City of Chino
Chris Diggs	City of Pomona
Steve Ledbetter for Rosemary Hoerning	City of Upland
Steve Ledbetter for Rosemary Hoerning	West End Consolidated Water Co.
Courtney Jones	City of Ontario
Josh Swift	Fontana Union Water Company
Brian Lee	San Antonio Water Company
Van Jew	Monte Vista Water District
Van Jew	Monte Vista Irrigation Company
Chris Berch	Jurupa Community Services District
Ben Lewis	Golden State Water Company

**WATERMASTER STAFF PRESENT AT WATERMASTER**

Peter Kavounas	General Manager
Janine Wilson	Senior Accountant
Vanessa Aldaz	Administrative Assistant

**WATERMASTER STAFF PRESENT ON CALL**

Joseph Joswiak	Chief Financial Officer
Edgar Tellez Foster	Water Resources Mgmt. & Planning Dir.
Anna Nelson	Executive Services Director
Justin Nakano	Water Resources Technical Manager

**WATERMASTER CONSULTANTS PRESENT ON CALL**

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

**OTHERS PRESENT ON CALL**

John Schatz	John J. Schatz, Attorney at Law
Kevin O'Toole	Orange County Water District
Justin Scott-Coe	Monte Vista Water District
Randall Reed	Cucamonga Valley Water District
Praseetha Krishnan	Cucamonga Valley Water District
David De Jesus	Three Valleys Municipal Water District
Matthew Litchfield	Three Valleys Municipal Water District
Eunice Ulloa	City of Chino
Marilyn Levin	State of California – DOJ
Eduardo Espinoza	Cucamonga Valley Water District
Joshua Aguilar	Inland Empire Utilities Agency

**CALL TO ORDER**

Chair Bosler called the Appropriative Pool meeting to order at 9:00 a.m.

**ROLL CALL**

(0:01:56) Ms. Nelson conducted the roll call.

**AGENDA - ADDITIONS/REORDER**

None

**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 Special Meeting held May 1, 2020
2. Minutes of the Appropriative Pool Special Meeting held May 7, 2020
3. Minutes of the Appropriative Pool Meeting held May 14, 2020
4. Minutes of the Appropriative Pool Special Meeting held May 19, 2020
5. Minutes of the Appropriative Pool Special Meeting held May 20, 2020
6. Minutes of the Appropriative Pool Special Meeting held May 27, 2020

**B. FINANCIAL REPORTS**

Receive and file as presented:

1. Cash Disbursements for the month of April 2020
2. Watermaster VISA Check Detail for the month of April 2020
3. Combining Schedule for the Period July 1, 2019 through April 30, 2020
4. Treasurer’s Report of Financial Affairs for the Period April 1, 2020 through April 30, 2020
5. Budget vs. Actual Report for the Period July 1, 2019 through April 30, 2020
6. Cash Disbursements for May 2020 (Information Only)

**C. APPLICATION: CONSIDERATION OF LOCAL STORAGE AGREEMENT**

Recommend to the Advisory Committee to recommend the Watermaster Board to approve the Overlying (Non-Agricultural) Pool storage agreements.

**D. APPLICATION: WATER TRANSACTION**

Provide advice and assistance to the Watermaster Board on the proposed transaction:

The transfer of 4.0 acre-feet of water from Nicholson Trust to Fontana Water Company. This transfer is made from Nicholson Trust’s Annual Production Right. Date of application: May 4, 2020. Provide advice and assistance to the Watermaster Board on the proposed transaction.

(0:04:40)

*Motion by Mr. Dave Crosley, seconded by Mr. Ron Craig, and by unanimous vote*

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

**II. BUSINESS ITEMS**

**A. 2019 PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE ANNUAL REPORT**

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

(0:05:35) Mr. Malone gave a report. A discussion ensued.

(0:06:51)

*Motion by Mr. Ron Craig, seconded by Mr. Josh Swift, and by unanimous vote*

***Moved to recommend to the Advisory Committee to approve Business Item II.A. as presented.***

**III. REPORTS/UPDATES**

**A. LEGAL COUNSEL REPORT**

1. San Bernardino County Superior Court Emergency Order
2. June 26, 2020 Hearing

(0:07:38) Mr. Herrema gave a report.

Mr. Brian Lee joined the meeting at 9:08 a.m.

**B. ENGINEER REPORT**

1. Equipping Extensometers at PX
2. Responding to Various RFIs

(0:12:26) Mr. Malone gave a report.

**C. CFO REPORT**

1. Status of Exhibit "G" Transaction
2. FY 2019/20 Ongoing Auditing Activity by Fedak & Brown, LLP

(0:15:28) Mr. Joswiak gave a report.

**D. GM REPORT**

1. Status Report: OBMP IP Update
2. Status Report: OAP Contest
3. Other

(0:18:25) Mr. Kavounas gave a report.

**IV. POOL MEMBER COMMENTS**

None

**V. OTHER BUSINESS**

None

**VI. CONFIDENTIAL SESSION - POSSIBLE ACTION**

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

Chair Bosler called for a confidential session at 9:21 a.m. to discuss the following:

1. OBMPU Implementation Plan
2. Agricultural Pool Contest
3. 2020 Safe Yield Reset

Confidential session concluded at 11:18 a.m. with the following reportable actions:

*Motion by Mr. Scott Burton, seconded by Mr. Dave Crosley, and by unanimous vote*

***Moved to request Watermaster to include Interim Measures related to storage cap and Watermaster OBMP IP facilitation on July Pools agendas for possible action.***

**ADJOURNMENT**

Chair Bosler adjourned the Appropriative Pool meeting at 11:19 a.m.

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

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

Attachment:

1. 20200611 Appropriative Pool Confidential Session Motion.

**From:** John Schatz <[jschatz13@cox.net](mailto:jschatz13@cox.net)>

**Date:** June 24, 2020 at 7:33:59 PM PDT

**To:** "Crosley, Dave" <[dcrosley@cityofchino.org](mailto:dcrosley@cityofchino.org)>, Peter Kavounas <[PKavounas@cbwm.org](mailto:PKavounas@cbwm.org)>

**Cc:** John Bosler <[JohnB@cvwdwater.com](mailto:JohnB@cvwdwater.com)>, Cris Fealy <[cifealy@fontanawater.com](mailto:cifealy@fontanawater.com)>, "Coker, Amanda" <[acoker@cityofchino.org](mailto:acoker@cityofchino.org)>, "[jscottcoe@mvwd.org](mailto:jscottcoe@mvwd.org)" <[jscottcoe@mvwd.org](mailto:jscottcoe@mvwd.org)>, "[vjew@mvwd.org](mailto:vjew@mvwd.org)" <[vjew@mvwd.org](mailto:vjew@mvwd.org)>

**Subject: Chino Basin: Appropriative Pool Meeting June 11**

Reportable Action:

Motion by Burton seconded by Crosley to request Watermaster to include Interim Measures related to storage cap and Watermaster OBMP IP facilitation on July Pools agendas for possible action.

Dave's version is more eloquent and descriptive but you can use the above.

John

# CHINO BASIN WATERMASTER

## I. BUSINESS ITEM – ROUTINE (ONAP)

### A. MINUTES

1. Non-Agricultural Pool Meeting held on June 11, 2020

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

June 11, 2020

The Non-Agricultural Pool meeting was held by GoToMeeting (conference call and web meeting) on June 11, 2020.

**NON-AGRICULTURAL POOL MEMBERS PRESENT ON CALL**

Brian Geye, Chair	California Speedway Corporation
Bob Bowcock, Vice-Chair	CalMat Co.
Ramsey Haddad	California Steel Industries, Inc.
Christopher Quach	City of Ontario (Non-Ag)

**WATERMASTER STAFF PRESENT AT WATERMASTER**

Peter Kavounas	General Manager
Vanessa Aldaz	Administrative Assistant

**WATERMASTER STAFF PRESENT ON CALL**

Joseph Joswiak	Chief Financial Officer
Edgar Tellez Foster	Water Resources Mgmt. and Planning Dir.
Anna Nelson	Executive Services Director
Justin Nakano	Water Resources Technical Manager

**WATERMASTER CONSULTANTS PRESENT ON CALL**

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

**NON-AGRICULTURAL POOL LEGAL COUNSEL PRESENT ON CALL**

Allen Hubsch	Loeb & Loeb, LLP
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**CALL TO ORDER**

Chair Geye called the Non-Agricultural Pool meeting to order at 11:00 a.m.

**ROLL CALL**

(0:02:18) 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 May 15, 2020

(0:04:12)

*Motion by Mr. Christopher Quach, seconded by Mr. Ramsey Haddad. 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 April 2020
2. Watermaster VISA Check Detail for the month of April 2020
3. Combining Schedule for the Period July 1, 2019 through April 30, 2020
4. Treasurer's Report of Financial Affairs for the Period April 1, 2020 through April 30, 2020

- 5. Budget vs. Actual Report for the Period July 1, 2019 through April 30, 2020
- 6. Cash Disbursements for May 2020 (Information Only)

(0:04:45)

*Motion by Mr. Christopher Quach, seconded by Mr. Ramsey Haddad. 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. APPLICATION: CONSIDERATION OF LOCAL STORAGE AGREEMENT**

Recommend to the Advisory Committee to recommend the Watermaster Board to approve the Overlying (Non-Agricultural) Pool storage agreements.

(0:05:28)

*Motion by Mr. Christopher Quach, seconded by Mr. Ramsey Haddad. The Chair called for dissent, and, none being noted, the motion was deemed passed by unanimous 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.***

**D. APPLICATION: WATER TRANSACTION**

Provide advice and assistance to the Watermaster Board on the proposed transaction: The transfer of 4.0 acre-feet of water from Nicholson Trust to Fontana Water Company. This transfer is made from Nicholson Trust’s Annual Production Right. Date of application: May 4, 2020. Provide advice and assistance to the Watermaster Board on the proposed transaction.

(0:06:13)

*Motion by Mr. Ramsey Haddad, 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 approve staff recommendation of Business Item I.D. 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. 2019 PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE ANNUAL REPORT**

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

(0:06:57) Mr. Malone gave a report.

(0:08:10)

*Motion by Mr. Christopher Quach, seconded by Mr. Ramsey Haddad. The Chair called for dissent, and, none being noted, the motion was deemed passed by unanimous 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. MEMBER STATUS CHANGES**

- 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.
  - Staff received notice on June 3, 2020 from counsel for 9W Halo Western OpCo, LP that its assigned representative is Mr. Dennis Dooley, and his email address is [ddooley@angelica.com](mailto:ddooley@angelica.com)

- Staff received notice on June 4, 2020 from counsel for ANG II (Multi) LLC that its assigned representative is Mr. Sam Rubinstein, and his email address is [srubinstein@wpcarey.com](mailto:srubinstein@wpcarey.com)
- The ONAP roster and email distribution lists have been updated and the revised volume vote allocation table will be brought next month under Consent Calendar

(0:08:54) Mr. Kavounas gave a report indicating that Item II.B., number four, contained a spelling error and was outdated. He informed the Pool that while Mr. Rubenstein is the assigned representative to the Pool that his name is properly spelled “Ruben” versus the above indicated “Rubin.” Mr. Kavounas also informed the Pool that General Electric had given staff notice that their representative Mr. Paul Deutsch has a new email address: [paul.deutsch@tetrattech.com](mailto:paul.deutsch@tetrattech.com).

### III. **REPORTS/UPDATES**

#### A. **LEGAL COUNSEL REPORT**

1. San Bernardino County Superior Court Emergency Order
2. June 26, 2020 Hearing

(0:11:11) Mr. Herrema gave a report and showed a video regarding the COVID-19 pandemic and related requirements at the San Bernardino County Superior Court.

#### B. **ENGINEER REPORT**

1. Equipping Extensometers at PX
2. Responding to Various RFIs

(0:15:40) Mr. Malone gave a report.

#### C. **CFO REPORT**

1. Status of Exhibit “G” Transaction
2. FY 2019/20 Ongoing Auditing Activity by Fedak & Brown, LLP

(0:17:59) Mr. Joswiak gave a report.

#### D. **GM REPORT**

1. Status Report: OBMP IP Update
2. Status Report: OAP Contest
3. Other

(0:19:54) There was technical error in the recording process. The call was dropped and had to be dialed back into and picks up at this point in the middle of Mr. Kavounas giving the GM report.

### IV. **POOL MEMBER COMMENTS**

None

### V. **OTHER BUSINESS**

None

### VI. **CONFIDENTIAL SESSION - POSSIBLE ACTION**

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

Chair Geye called for a confidential session at 11:26 a.m. to discuss the following:

1. Safe Yield
2. Storage

Confidential session concluded at 11:50 a.m. with the following reportable action:

(0:23:45)

Direct Pool Chair and Pool counsel to discuss the OBMP Implementation Plan with stakeholders to facilitate its completion.

**ADJOURNMENT**

Chair Geye adjourned the Non-Agricultural Pool meeting at 11:51 a.m.

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

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

# CHINO BASIN WATERMASTER

## I. CONSENT CALENDAR (OAP)

### A. MINUTES

1. Agricultural Pool Meeting held on June 11, 2020
2. Agricultural Pool Special Meeting held on June 30, 2020

**DRAFT MINUTES**  
**CHINO BASIN WATERMASTER**  
**AGRICULTURAL POOL MEETING**

June 11, 2020

The Agricultural Pool meeting was held by GoToMeeting (conference call and web meeting) on June 11, 2020.

**AGRICULTURAL POOL MEMBERS PRESENT ON CALL**

Bob Feenstra, Chair	Dairy
Jeff Pierson, Vice-Chair	Crops
Ron LaBrucherie, Jr.	Crops
Geoffrey Vanden Heuvel	Dairy
Nathan deBoom	Dairy
John Huitsing	Dairy
Henry De Haan	Dairy
Ron Pietersma	Dairy
Bob Page	County of San Bernardino
Carol Boyd	State of California – CIM
Pete Hall	State of California – CIM
Marilyn Levin for Jimmy Medrano	State of California – DOJ

**WATERMASTER STAFF PRESENT AT WATERMASTER**

Peter Kavounas	General Manager
Janine Wilson	Senior Accountant
Vanessa Aldaz	Administrative Assistant

**WATERMASTER STAFF PRESENT ON CALL**

Joseph Joswiak	Chief Financial Officer
Edgar Tellez Foster	Water Resources Mgmt. and Planning Dir.
Anna Nelson	Executive Services Director
Justin Nakano	Water Resources Technical Manager

**WATERMASTER CONSULTANTS PRESENT ON CALL**

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

**OTHERS PRESENT ON CALL**

Tracy Egoscue	Egoscue Law Group, Inc.
Richard Rees	Wood plc
Gino Filippi	Crops

**CALL TO ORDER**

Chair Feenstra called the meeting to order at 1:39 p.m.

**ROLL CALL**

(0:01:27) Ms. Nelson conducted the roll call.

**AGENDA – ADDITIONS/REORDER**

The Agricultural Pool took its Confidential Session at the beginning of the meeting starting at 1:45 p.m.

**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 Special Meeting held on May 8, 2020
- 2. Minutes of the Agricultural Pool Meeting held on May 14, 2020
- 3. Minutes of the Agricultural Pool Special Meeting held on May 22, 2020

**B. FINANCIAL REPORTS**

Receive and file as presented:

- 1. Cash Disbursements for the month of April 2020
- 2. Watermaster VISA Check Detail for the month of April 2020
- 3. Combining Schedule for the Period July 1, 2019 through April 30, 2020
- 4. Treasurer’s Report of Financial Affairs for the Period April 1, 2020 through April 30, 2020
- 5. Budget vs. Actual Report for the Period July 1, 2019 through April 30, 2020
- 6. Cash Disbursements for May 2020 (Information Only)

**C. APPLICATION: CONSIDERATION OF LOCAL STORAGE AGREEMENT**

Recommend to the Advisory Committee to recommend the Watermaster Board to approve the Overlying (Non-Agricultural) Pool storage agreements.

**D. APPLICATION: WATER TRANSACTION**

Provide advice and assistance to the Watermaster Board on the proposed transaction:

The transfer of 4.0 acre-feet of water from Nicholson Trust to Fontana Water Company. This transfer is made from Nicholson Trust’s Annual Production Right. Date of application: May 4, 2020. Provide advice and assistance to the Watermaster Board on the proposed transaction.

(0:08:42) A motion was made by Mr. deBoom and seconded by Mr. De Haan to approve the Consent Calendar.

(0:09:21) A roll call vote was taken.

*Motion by Mr. Nathan deBoom, seconded by Mr. Henry De Haan, and by unanimous roll call vote as attached to these minutes*

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

**II. BUSINESS ITEMS**

**A. 2019 PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE ANNUAL REPORT**

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

(0:10:35) Mr. Malone gave a report.

(0:12:18) A motion was made by Mr. deBoom and seconded by Mr. LaBrucherie, Jr. to approve Business Item II.A.

(0:12:40) A roll call vote was taken.

*Motion by Mr. Nathan deBoom, seconded by Mr. Ron LaBrucherie Jr., and by unanimous roll call vote as attached to these minutes*

***Moved to recommend to the Advisory Committee to approve Business Item II.A. as presented.***

**B. OLD BUSINESS**

None

**III. REPORTS/UPDATES**

**A. LEGAL COUNSEL REPORT**

- 1. San Bernardino County Superior Court Emergency Order
- 2. June 26, 2020 Hearing

(0:14:08) Mr. Herrema gave a report and showed a video regarding the COVID-19 pandemic and related requirements at the San Bernardino County Superior Court. A discussion ensued.

**B. ENGINEER REPORT**

- 1. Equipping Extensometers at PX
- 2. Responding to Various RFIs

(0:18:45) Mr. Malone gave a report. A discussion ensued.

**C. CFO REPORT**

- 1. Status of Exhibit "G" Transaction
- 2. FY 2019/20 Ongoing Auditing Activity by Fedak & Brown, LLP

(0:25:43) Mr. Joswiak gave a report.

**D. GM REPORT**

- 1. Status Report: OBMP IP Update
- 2. Status Report: OAP Contest
- 3. Other

(0:28:48) Mr. Kavounas gave a report. A discussion ensued.

**IV. POOL DISCUSSION**

- 1. Chairman's Update
- 2. Pool Member Comments

None

**V. OTHER BUSINESS**

None

**VI. CONFIDENTIAL SESSION - POSSIBLE ACTION**

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

Chair Feenstra called for a confidential session at 1:45 p.m. to discuss the following:

- 1. Ag Pool Budget
- 2. Watermaster Safe Yield Motion
- 3. Ag Pool Contest
- 4. June 26, 2020 Hearing on Pooling Plan Amendment

(0:05:58) Ms. Nelson conducted the roll call following confidential session for purposes of quorum.

(0:07:11) Confidential session concluded at 2:56 p.m. with the following reportable actions:

(0:07:22)

*Motion by Ms. Carol Boyd, seconded by Mr. Henry De Haan, and passed as shown in the attachment provided by Pool Counsel and attached to these minutes*

***Moved to direct counsel to file an opposition to Watermaster's motion to reset the Safe Yield.***

**ADJOURNMENT**

Chair Feenstra adjourned the Agricultural Pool meeting at 3:37 p.m.

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

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

Attachments:

1. 20200611 Roll Call Vote Outcome for Consent Calendar
2. 20200611 Roll Call Vote Outcome for Business Item II.A.
3. 20200611 Reportable Action Following Confidential Session (as provided by Pool Counsel)

**June 11, 2020 Agricultural Pool Meeting Roll Call Vote for  
Consent Calendar Items I.A., I.B., I.C., and I.D.**

<b>Member</b>	<b>Alternate</b>	<b>Vote</b>
Feenstra, Robert, Chair		yes
Pierson, Jeff, Vice-Chair		yes
LaBrucherie, Jr., Ron		yes
Vanden Heuvel, Geoffrey		yes
deBoom, Nathan		yes
Huitsing, John		yes
DeHaan, Henry		yes
Pietersma, Ron		yes
Page, Bob		yes
Boyd, Carol		yes
Hall, Pete		yes
Medrano, Jimmy		yes
	<b>OUTCOME:</b>	<b>Passed Unanimously</b>

**June 11, 2020 Agricultural Pool Meeting Roll Call Vote for  
Business Item II.A. 2019 Prado Basin Habitat Sustainability Committee Annual Report**

<b>Member</b>	<b>Alternate</b>	<b>Vote</b>
Feenstra, Robert, Chair		yes
Pierson, Jeff, Vice-Chair		yes
LaBrucherie, Jr., Ron		yes
Vanden Heuvel, Geoffrey		yes
deBoom, Nathan		yes
Huitsing, John		yes
DeHaan, Henry		yes
Pietersma, Ron		yes
Page, Bob		yes
Boyd, Carol		yes
Hall, Pete		yes
Medrano, Jimmy		yes
	<b>OUTCOME:</b>	<b>Passed Unanimously</b>

Ag Pool Closed Session  
June 11, 2020

Motion by: Deputy Attorney General Carol A.Z. Boyd  
Second by: Henry DeHaan

The Agricultural Pool directed counsel to file an opposition to Watermaster's motion to reset the Safe Yield.

Motion passed.

**DRAFT MINUTES**  
**CHINO BASIN WATERMASTER**  
**AGRICULTURAL POOL – SPECIAL MEETING**

June 30, 2020

The Agricultural Pool special meeting was held via GoToMeeting (conference call and web meeting) on June 30, 2020.

**AGRICULTURAL POOL MEMBERS PRESENT**

Bob Feenstra, Chair	Dairy
Henry De Haan	Dairy
Pete Hall	State of California – CIM
Carol Boyd	State of California – CIM
John Huitsing	Dairy
Ron Pietersma	Dairy
Nathan deBoom	Dairy
Geoffrey Vanden Heuvel	Dairy
Jimmy Medrano	State of California – CIM
Gino Filippi for Ron LaBrucherie Jr.	Crops

**OTHERS PRESENT**

Tracy Egoscue	Egoscue Law Group, Inc.
Marilyn Levin	State of California - DOJ
Richard Rees	Wood plc
Paul Hofer	Crops

**CALL TO ORDER**

Chair Feenstra called the Agricultural Pool special meeting to order at 10:00 a.m.

**AGENDA – ADDITIONS/REORDER**

None

**I. CONFIDENTIAL SESSION**

Chair Feenstra called for a confidential session at 10:00 a.m. to discuss the following:

1. Ag Pool Budget
2. Safe Yield Reset
3. Pooling Plan
4. Contest

Confidential session concluded at 11:38 a.m. with the following reportable action:

*Motion by Mr. Nathan deBoom, seconded by Ms. Carol Boyd, and passed as shown in the attachment provided by Pool Counsel and attached to these minutes*

***Pursuant to the terms of the Peace Agreement (Paragraph 5.4(a)), all assessments and expenses of the Ag Pool shall be paid by the Appropriative Pool.***

***The Ag Pool has exceeded the budget for FY (2019/20). Currently the May 2020 Ag Pool legal services invoice has not been paid, and the Watermaster is hereby asked to pay all pending invoices including, and without limitation, the TMDL costs for SAWPA.***

***Among other tasks, funds from the Ag Pool Special Projects budget (account 8471) should be moved to the Ag Pool Legal Services Budget (account 8467).***

***The Watermaster has refused to promptly pay the pending invoices without justification and should amend the budget as appropriate and necessary to cover all pending invoices.***

**ADJOURNMENT**

Chair Feenstra adjourned the Agricultural Pool special meeting at 11:38 a.m.

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

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

Attachments:

1. 20200630 Special Agricultural Pool Meeting Motion.

## 063020 Special Ag Pool Meeting

Motion—Nathan De Boom

Second—DAG Carol Boyd

Pursuant to the terms of the Peace Agreement (Paragraph 5.4(a)), all assessments and expenses of the Ag Pool shall be paid by the Appropriative Pool.

The Ag Pool has exceeded the budget for FY (2019/20). Currently the May 2020 Ag Pool legal services invoice has not been paid, and the Watermaster is hereby asked to pay all pending invoices including, and without limitation, the TMDL costs for SAWPA.

Among other tasks, funds from the Ag Pool Special Projects budget (account 8471) should be moved to the Ag Pool Legal Services Budget (account 8467).

The Watermaster has refused to promptly pay the pending invoices without justification and should amend the budget as appropriate and necessary to cover all pending invoices.

Motion Passed

# CHINO BASIN WATERMASTER

## **I. CONSENT CALENDAR (AP & OAP)**

### **B. FINANCIAL REPORTS**

1. Cash Disbursements for the month of May 2020
2. Watermaster VISA Check Detail for the month of May 2020
3. Combining Schedule for the Period July 1, 2019 through May 31, 2020
4. Treasurer's Report of Financial Affairs for the Period May 1, 2020 through May 31, 2020
5. Budget vs. Actual Report for the Period July 1, 2019 through May 31, 2020
6. Cash Disbursements for June 2020 (Information Only)

## **I. BUSINESS ITEMS – ROUTINE (ONAP)**

### **B. FINANCIAL REPORTS**

1. Cash Disbursements for the month of May 2020
2. Watermaster VISA Check Detail for the month of May 2020
3. Combining Schedule for the Period July 1, 2019 through May 31, 2020
4. Treasurer's Report of Financial Affairs for the Period May 1, 2020 through May 31, 2020
5. Budget vs. Actual Report for the Period July 1, 2019 through May 31, 2020
6. Cash Disbursements for June 2020 (Information Only)



# CHINO BASIN WATERMASTER

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

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 9, 2020  
TO: AP/ONAP/OAP Members  
SUBJECT: Cash Disbursement Report - Financial Report B1 (May 31, 2020)  
(Consent Calendar Item I.B.1.)

### SUMMARY

Issue: Record of Cash Disbursements for the month of May 2020.

Recommendation: Receive and file Cash Disbursements for May 2020 as presented.

Financial Impact: Funds disbursed were included in the FY 2019/20 "Amended" Watermaster Budget.

### Future Consideration

**Appropriative Pool – July 9, 2020:** Receive and File  
**Non-Agricultural Pool – July 9, 2020:** Receive and File  
**Agricultural Pool – July 9, 2020:** Receive and File  
**Advisory Committee – July 16, 2020:** Receive and File  
**Watermaster Board – July 23, 2020:** Receive and File (Normal Course of Business)

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### ACTIONS:

**Appropriative Pool – July 9, 2020:**  
**Non-Agricultural Pool – July 9, 2020:**  
**Agricultural Pool – July 9, 2020:**  
**Advisory Committee – July 16, 2020:**  
**Watermaster Board – July 23, 2020:**

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

## BACKGROUND

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

## DISCUSSION

Total cash disbursements during the month of May 2020 were \$708,321.16.

The most significant expenditures during the month were to Wildermuth Environmental, Inc. in the amount of \$306,059.42 (check number 22162 dated May 19, 2020); and Brownstein Hyatt Farber Schreck in the amount of \$114,056.55 (check number 22179 dated May 29, 2020).

## ATTACHMENTS

1. Financial Report - B1

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**May 2020**

Type	Date	Num	Name	Memo	Account	Paid Amount
General Journal	05/02/2020	05/02/2020	Payroll and Taxes for 04/19/20-05/02/20	Payroll and Taxes for 04/19/20-05/02/20	1012 - Bank of America Gen'l Ckg	
				Direct Deposits for 04/19/20-05/02/20	1012 - Bank of America Gen'l Ckg	49,637.11
				Payroll and Taxes for 04/19/20-05/02/20	1012 - Bank of America Gen'l Ckg	17,505.48
			ICMA-RC	457(b) EE Deductions for 04/19/20-05/02/20	1012 - Bank of America Gen'l Ckg	5,476.92
			ICMA-RC	401(a) EE Deductions for 04/19/20-05/02/20	1012 - Bank of America Gen'l Ckg	1,562.57
TOTAL						74,182.08
Bill Pmt -Check	05/02/2020	ACH 051120	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 - Bank of America Gen'l Ckg	
General Journal	05/02/2020	05/02/2020	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 04/19/20-05/02/20	2000 - Accounts Payable	8,180.70
TOTAL						8,180.70
Bill Pmt -Check	05/05/2020	22136	ACCENT COMPUTER SOLUTIONS, INC.	IT Consulting Services	1012 - Bank of America Gen'l Ckg	
Bill	04/30/2020	135131		Hard drive for server	6055 - Computer Hardware	146.60
Bill	05/01/2020	135018		Monthly service - May 2020	6052.4 - IT Managed Services	4,018.28
				Overwatch - May 2020	6052.5 - IT Data Backup/Storage	699.00
				Omni Cloud - May 2020	6052.5 - IT Data Backup/Storage	153.00
				Office 365 subscriptions / Business Premium - May	6052.4 - IT Managed Services	195.75
				Image Office Storage (per GB, per month)	6052.5 - IT Data Backup/Storage	724.95
TOTAL						5,937.58
Bill Pmt -Check	05/05/2020	22137	BURRTEC WASTE INDUSTRIES, INC.	21136525395	1012 - Bank of America Gen'l Ckg	
Bill	05/01/2020	21136525395		May 2020	6024 - Building Repair & Maintenance	135.72
TOTAL						135.72
Bill Pmt -Check	05/05/2020	22138	JOHN J. SCHATZ	Appropriative Pool Legal Services	1012 - Bank of America Gen'l Ckg	
Bill	03/31/2020			February 2020	8367 - Legal Service	11,249.00
Bill	03/31/2020			March 2020	8367 - Legal Service	22,911.50
TOTAL						34,160.50
Bill Pmt -Check	05/05/2020	22139	READY REFRESH BY NESTLE	0023230253	1012 - Bank of America Gen'l Ckg	
Bill	04/28/2020	0023230253		Office Water Bottle - April 2020	6031.7 - Other Office Supplies	84.13
TOTAL						84.13
Bill Pmt -Check	05/05/2020	22140	VANDEN HEUVEL, GEOFFREY	Ag Pool Member Compensation	1012 - Bank of America Gen'l Ckg	
Bill	03/12/2020	3/12 Ag Pool Mtg		3/12/20 Ag Pool meeting	8411 - Ag Pool Member Compensation	25.00
				3/12/20 Ag Pool meeting	8470 - Ag Meeting Attend -Special	100.00
Bill	04/09/2020	4/09 Ag Pool Mtg		4/09/20 Ag Pool meeting	8411 - Ag Pool Member Compensation	25.00
				4/09/20 Ag Pool meeting	8470 - Ag Meeting Attend -Special	100.00
Bill	04/17/2020	4/17 Special Ag Mtg		4/17/20 Special Ag Pool meeting	8411 - Ag Pool Member Compensation	25.00

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**May 2020**

Type	Date	Num	Name	Memo	Account	Paid Amount
				4/17/20 Special Ag Pool meeting	8470 - Ag Meeting Attend -Special	100.00
TOTAL						375.00
<b>Bill Pmt -Check</b>	<b>05/05/2020</b>	<b>22141</b>	<b>VISION SERVICE PLAN</b>	<b>00-101789-0001</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/28/2020	00101789		Vision Insurance Premium - May 2020	60182.2 - Dental & Vision Ins	93.83
TOTAL						93.83
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22142</b>	<b>APPLIED COMPUTER TECHNOLOGIES</b>	<b>3141</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/29/2020	3141		April 2020	6052.2 - Applied Computer Technol	3,900.00
TOTAL						3,900.00
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22143</b>	<b>DE BOOM, NATHAN</b>	<b>Ag Pool Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/09/2020	4/09 Ag Pool Mtg		4/09/20 Ag Pool Meeting	8411 - Ag Pool Member Compensation	25.00
				4/09/20 Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
Bill	04/17/2020	4/17 Special Ag Mtg		4/17/20 Special Ag Pool Meeting	8411 - Ag Pool Member Compensation	25.00
				4/17/20 Special Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
TOTAL						250.00
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22144</b>	<b>ELIE, STEVEN</b>	<b>Board Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/23/2020	4/23 Board Meeting		4/23/20 Board Meeting	6311 - Board Member Compensation	125.00
Bill	04/30/2020	4/30 Admin Mtg		4/30/20 Administrative meeting w/GM	6311 - Board Member Compensation	125.00
TOTAL						250.00
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22145</b>	<b>FEENSTRA, BOB</b>	<b>Ag Pool Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/09/2020	4/09 Ag Pool Mtg		4/09/20 Ag Pool meeting	8470 - Ag Meeting Attend -Special	125.00
Bill	04/16/2020	4/16 Advis Comm Mtg		4/16/20 Advisory Committee meeting	8470 - Ag Meeting Attend -Special	125.00
Bill	04/16/2020	4/16 Ag Pool Conf		4/16/20 Ag Pool legal, Chair, Board Chair mtg	8470 - Ag Meeting Attend -Special	125.00
Bill	04/16/2020	4/16 Bd Offcra Mtg		4/16/20 Board Officers, Pool Chairs meeting	8470 - Ag Meeting Attend -Special	125.00
Bill	04/17/2020	4/17 Special Ag Mtg		4/17/20 Special Ag Pool Meeting	8470 - Ag Meeting Attend -Special	125.00
Bill	04/17/2020	4/17 Special Mtg		4/17/20 Special mtg. w/Pool Chair,attorneys	8470 - Ag Meeting Attend -Special	125.00
Bill	04/21/2020	4/21 Budget Mtg		4/21/20 Budget Workshop	8470 - Ag Meeting Attend -Special	125.00
Bill	04/23/2020	4/23 Board Mtg		4/23/20 Board Meeting	8470 - Ag Meeting Attend -Special	125.00
Bill	04/28/2020	4/28 Ag Pool Legal		4/28/20 Ag Pool legal counsel conference call	8470 - Ag Meeting Attend -Special	125.00
Bill	04/29/2020	4/29 SY Workshop		4/29/20 Safe Yield Workshop	8470 - Ag Meeting Attend -Special	125.00
TOTAL						1,250.00
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22146</b>	<b>FILIPPI, GINO</b>	<b>Board Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/08/2020	4/08 Ag Pool Call		4/08/20 Test Ag Pool call	6311 - Board Member Compensation	125.00
Bill	04/09/2020	4/09 Ag Pool Mtg		4/09/20 Ag Pool Meeting	6311 - Board Member Compensation	125.00
Bill	04/16/2020	4/16 Advisory Comm		4/16/20 Advisory Committee Meeting	6311 - Board Member Compensation	125.00

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	04/23/2020	4/23 Board Mtg		4/23/20 Board Meeting	6311 - Board Member Compensation	125.00
TOTAL						500.00
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22147</b>	<b>FONTANA UNION WATER COMPANY'</b>	<b>Board Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/16/2020	4/16 Bd Officers Mtg		4/16/2020 Board Officers meeting - Curatalo	6311 - Board Member Compensation	125.00
Bill	04/21/2020	4/21 Brd Agenda Mtg		4/21/2020 Board agenda meeting - Curatalo	6311 - Board Member Compensation	125.00
Bill	04/23/2020	4/23 Board Mtg		4/23/2020 Board meeting - Curatalo	6311 - Board Member Compensation	125.00
TOTAL						375.00
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22148</b>	<b>GEYE, BRIAN</b>	<b>Board Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/09/2020	4/09 Non Ag Pool Mtg		4/09/20 Non-Ag Pool Meeting	6311 - Board Member Compensation	125.00
Bill	04/21/2020	4/21 Budget Wkshp		4/21/20 Budget Workshop	6311 - Board Member Compensation	125.00
Bill	04/29/2020	4/29 SY Workshop		4/29/20 Safe Yield Workshop	6311 - Board Member Compensation	125.00
TOTAL						375.00
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22149</b>	<b>IN-SITU, INC.</b>	<b>22055</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/30/2020	22055		22055	7103.6 - Grdwtr Qual-Supplies	164.98
TOTAL						164.98
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22150</b>	<b>NELSON, ANNA</b>	<b>Employee Expense Reimbursement</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/06/2020			Charging cable (AN)	6031.7 - Other Office Supplies	52.77
				Display port cable (AN)	6031.7 - Other Office Supplies	43.09
				Chair mat (AN)	6031.7 - Other Office Supplies	42.01
				Disposable masks Covid-19 (WM)	6031.7 - Other Office Supplies	1,190.45
TOTAL						1,328.32
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22151</b>	<b>PIERSON, JEFFREY</b>	<b>Ag Pool and Board Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/07/2020	4/07 Ag Pool Legal		4/07/20 Ag Pool legal, Pool Chair conf. call	8470 - Ag Meeting Attend -Special	125.00
Bill	04/08/2020	4/09 Admin Mtg		4/08/20 Administrative meeting with GM	6311 - Board Member Compensation	125.00
Bill	04/09/2020	4/09 Ag Pool Conf		4/09/20 Ag Pool confidential session	8470 - Ag Meeting Attend -Special	125.00
Bill	04/09/2020	4/09 Ag Pool Legal		4/09/20 Ag Pool attorney, Chair, Vice Chair call	8470 - Ag Meeting Attend -Special	125.00
Bill	04/09/2020	4/09 Ag Pool Mtg		4/09/20 Ag Pool meeting	8470 - Ag Meeting Attend -Special	125.00
Bill	04/10/2020	4/10 Ag Pool Legal		4/10/20 Ag Pool legal counsel conf. call	8470 - Ag Meeting Attend -Special	125.00
Bill	04/15/2020	4/15 Ag Pool Legal		4/15/20 Ag Pool legal counsel conf. call	8470 - Ag Meeting Attend -Special	125.00
Bill	04/16/2020	4/16 Advisory Comm		4/16/20 Advisory Committee meeting	8470 - Ag Meeting Attend -Special	125.00
Bill	04/16/2020	4/16 Ag Pool Legal		4/16/20 Ag Pool legal counsel conf. call	8470 - Ag Meeting Attend -Special	125.00
Bill	04/16/2020	4/16 Brd Offcra Mtg		4/16/20 Board Officers Pool Chairs meeting	6311 - Board Member Compensation	125.00
Bill	04/17/2020	4/17 Special Ag Mtg		4/17/20 Special Ag Pool meeting	8470 - Ag Meeting Attend -Special	125.00
Bill	04/17/2020	4/17 AP, NAP, OAP		4/17/20 Approp., Non-Ag, and Ag Workshop	8470 - Ag Meeting Attend -Special	125.00
Bill	04/17/2020	4/17 Ag Pool Lega		4/17/20 Pool legal counsel conf. call	8470 - Ag Meeting Attend -Special	125.00

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	04/21/2020	4/21 Admin Mtg		4/21/20 Admin. meeting w/GM, Board Officers	6311 - Board Member Compensation	125.00
Bill	04/23/2020	4/23 Board Mtg		4/23/20 Board Meeting	6311 - Board Member Compensation	125.00
Bill	04/28/2020	4/28 Ag Pool Legal		4/28/20 Pool legal counsel conference call	8470 - Ag Meeting Attend -Special	125.00
Bill	04/29/2020	4/29 SY Workshop		4/29/20 Safe Yield Workshop	6311 - Board Member Compensation	125.00
TOTAL						2,125.00
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22152</b>	<b>PREMIERE GLOBAL SERVICES</b>	<b>29354649</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/29/2020	29354649		Appropriative Pool meeting prep call on 4/01	8312 - Meeting Expenses	6.58
				Appropriative Pool meeting prep call on 4/01	8312 - Meeting Expenses	8.67
				Pool meetings check call on 4/08	8312 - Meeting Expenses	5.56
				Pool meetings check call on 4/08	8412 - Meeting Expenses	5.56
				Pool meetings check call on 4/08	8512 - Meeting Expense	5.56
				Fee - General	6022 - Telephone	39.00
				Fee - Confidential	6022 - Telephone	39.00
				Ag Pool contest call on 3/30	8412 - Meeting Expenses	7.01
				Ag Pool contest call on 3/30	8412 - Meeting Expenses	6.58
				Ag Pool contest call on 3/30	8412 - Meeting Expenses	26.70
				OBMP IP & PAA Drafting Session call on 4/06	6909.1 - OBMP Meetings	35.40
				Safe Yield presentation prep call on 4/08	6909.1 - OBMP Meetings	14.40
				WM coordination call on 4/10	6909.1 - OBMP Meetings	13.27
				WM coordination call on 4/13	6909.1 - OBMP Meetings	40.48
				WM coordination call on 4/20	6909.1 - OBMP Meetings	37.00
				Board agenda preview call on 4/21	6312 - Meeting Expenses	6.56
				Board agenda preview call on 4/21	6312 - Meeting Expenses	6.58
				Safe Yield coordination call on 4/23	6909.1 - OBMP Meetings	6.58
				Safe Yield coordination call on 4/23	6909.1 - OBMP Meetings	11.97
				Call shortfalls	6022 - Telephone	78.00
				Service Fee	6022 - Telephone	37.30
TOTAL						437.76
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22153</b>	<b>R&amp;D PEST SERVICES</b>	<b>0257038</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/05/2020	0257038		Treat office and annex for pest control	6024 - Building Repair & Maintenance	100.00
TOTAL						100.00
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22154</b>	<b>ROGERS, PETER</b>	<b>Board Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/23/2020	4/23 Board Mtg		4/23/20 Board Meeting	6311 - Board Member Compensation	125.00
TOTAL						125.00
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22155</b>	<b>RR FRANCHISING, INC.</b>	<b>85989</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/01/2020	85989		May 2020	6024 - Building Repair & Maintenance	740.00

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Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						740.00
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22156</b>	<b>SPECTRUM BUSINESS</b>	<b>2031978042320</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/30/2020	2031978042320		4/23/20-5/22/20	6053 - Internet Expense	800.86
TOTAL						800.86
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22157</b>	<b>STATE COMPENSATION INSURANCE FUND</b>	<b>1970970-19</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/01/2020	1970970-19		Premium 4/26/20-5/26/20	60183 - Worker's Comp Insurance	532.75
TOTAL						532.75
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22158</b>	<b>UNION 76</b>	<b>7076-2245-3035-5049</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/29/2020	7076224530355049		April 2020	6175 - Vehicle Fuel	91.38
TOTAL						91.38
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22159</b>	<b>ACWA JOINT POWERS INSURANCE AUTHORITY</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/07/2020	0644779		Prepayment - May 2020	1409 - Prepaid Life, BAD&D & LTD	249.27
				April 2020	60191 - Life & Disab.Ins Benefits	249.26
Bill	05/07/2020	0646494		Prepayment - June 2020	1409 - Prepaid Life, BAD&D & LTD	249.27
				May 2020	60191 - Life & Disab.Ins Benefits	249.26
TOTAL						997.06
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22160</b>	<b>BOWCOCK, ROBERT</b>	<b>Board Member Compensationj</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/23/2020	4/23 Board Mtg		4/23/20 Board Meeting	6311 - Board Member Compensation	125.00
Bill	04/28/2020	4/28 Budget Wkshp		4/28/20 Budget Workshop	6311 - Board Member Compensation	125.00
TOTAL						250.00
<b>Bill Pmt -Check</b>	<b>05/08/2020</b>	<b>22161</b>	<b>HUITSING, JOHN</b>	<b>Ag Pool member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/09/2020	4/09 Ag Pool Mtg		4/09/20 Ag Pool Meeting	8411 - Ag Pool Member Compensation	25.00
				4/09/20 Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
Bill	04/17/2020	4/17 Special Ag Pool		4/17/20 Special Ag Pool Meeting	8411 - Ag Pool Member Compensation	25.00
				4/17/20 Special Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
TOTAL						250.00
<b>Check</b>	<b>05/15/2020</b>	<b>05/15/2020</b>	<b>Service Charge</b>	<b>Service Charge</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
				Service Charge	6039.1 - Banking Service Charges	638.93
TOTAL						638.93
<b>General Journal</b>	<b>05/15/2020</b>	<b>20/05/08</b>	<b>ADP, LLC</b>	<b>ADP Tax Service for 04/18/20-556889998</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
				ADP Tax Service for 04/18/20-556889998	1012 - Bank of America Gen'l Ckg	155.50
				ADP Tax Service for 05/02/20-556889998	1012 - Bank of America Gen'l Ckg	179.70

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Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						335.20
<b>General Journal</b>	<b>05/16/2020</b>	<b>20/05/10</b>	<b>Payroll and Taxes for 05/03/20-05/16/20</b>	<b>Payroll and Taxes for 05/03/20-05/16/20</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
				Direct Deposits for 05/03/20-05/16/20	1012 - Bank of America Gen'l Ckg	30,618.52
				Payroll and Taxes for 05/03/20-05/16/20	1012 - Bank of America Gen'l Ckg	10,099.05
			ICMA-RC	457(b) EE Deductions for 05/03/20-05/16/20	1012 - Bank of America Gen'l Ckg	5,476.92
			ICMA-RC	401(a) EE Deductions for 05/03/20-05/16/20	1012 - Bank of America Gen'l Ckg	<u>1,562.57</u>
TOTAL						47,757.06
<b>Bill Pmt -Check</b>	<b>05/19/2020</b>	<b>22162</b>	<b>WILDERMUTH ENVIRONMENTAL INC</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/30/2020	2020132		2020132	6906.31 - OBMP-Pool, Adv. Board Mtgs	10,576.80
Bill	04/30/2020	2020133		2020133	6906.32 - OBMP-Other General Meetings	5,706.90
Bill	04/30/2020	2020134		2020134	6906.71 - OBMP-Data Req.-CBWM Staff	1,580.95
Bill	04/30/2020	2020135		2020135	6906.72 - OBMP-Data Req.-Non CBWM Staff	5,204.15
Bill	04/30/2020	2020136		2020136	6906 - OBMP Engineering Services	7,720.35
Bill	04/30/2020	2020137		2020137	6906.26 - 2020 OBMP Update	438.40
Bill	04/30/2020	2020138		2020138	6906.73 - OBMP-2020 Safe Yield Recalc	57,005.09
Bill	04/30/2020	2020139		2020139	6906.81 - Prepare Annual Reports	161.10
Bill	04/30/2020	2020140		2020140	6906.16 - CBEWP-100% IEUA Cost	16,175.47
Bill	04/30/2020	2020141		2020141	7103.3 - Grdwtr Qual-Engineering	13,964.21
Bill	04/30/2020	2020142		2020142	7104.3 - Grdwtr Level-Engineering	6,450.24
Bill	04/30/2020	2020143		2020143	7107.2 - Grd Level-Engineering	3,209.67
				Dragon Computer Services	7107.6 - Grd Level-Contract Svcs	624.80
				Guida Surveying Inc.	7107.6 - Grd Level-Contract Svcs	76,813.07
Bill	04/30/2020	2020144		2020144	7107.2 - Grd Level-Engineering	54.75
Bill	04/30/2020	2020145		2020145	7108.31 - Hydraulic Control - PBHSP	46,097.25
Bill	04/30/2020	2020146		2020146	7109.3 - Recharge & Well - Engineering	5,348.15
Bill	04/30/2020	2020147		2020147	7202.2 - Engineering Svc	450.80
Bill	04/30/2020	2020148		2020148	7206.1 - SB88 Specs-Ensure Compliance	7,199.95
Bill	04/30/2020	2020149		2020149	7303 - PE3&5-Engineering	840.90
Bill	04/30/2020	2020150		2020150	7402 - PE4-Engineering	3,060.75
Bill	04/30/2020	2020151		2020151	7402.10 - PE4 - Northwest MZ1 Area Proj.	9,895.88
Bill	04/30/2020	2020152		2020152	7502 - PE6&7-Engineering	7,756.20
Bill	04/30/2020	2020153		2020153	7510 - PE6&7-IEUA Salinity Mgmt. Plan	18,885.39
Bill	04/30/2020	2020154		2020154	7511 - PE6&7-SAWBMPTask Force-50% IEU,	<u>838.20</u>
TOTAL						306,059.42
<b>Bill Pmt -Check</b>	<b>05/19/2020</b>	<b>22163</b>	<b>BANK OF AMERICA</b>	<b>XXXX-XXXX-XXXX-9341</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/30/2020	XXXX-XXXX-XXXX-9341		Cloth face masks for office - Covid-19	6031.7 - Other Office Supplies	37.39
				SanDisk portable 1TB drive	6055 - Computer Hardware	149.53

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Type	Date	Num	Name	Memo	Account	Paid Amount
				Toner for office printer	6031.7 · Other Office Supplies	38.78
				Toner for office printer, paper	6031.7 · Other Office Supplies	149.35
				Miscellaneous office supplies	6031.7 · Other Office Supplies	24.56
				Replace end-of-life OnSite Defibrillator	6031.7 · Other Office Supplies	751.32
				Uniforms/jackets for field staff	6154 · Uniforms	498.99
				Face masks for office - Covid-19	6031.7 · Other Office Supplies	19.16
TOTAL						<u>1,669.08</u>
<b>Bill Pmt -Check</b>	<b>05/19/2020</b>	<b>22164</b>	<b>CLEAN TECH SERVICES</b>	<b>8327</b>	<b>1012 · Bank of America Gen'l Ckg</b>	
Bill	05/12/2020	8327		Window cleaning, hard water spot removal	6024 · Building Repair & Maintenance	391.50
TOTAL						<u>391.50</u>
<b>Bill Pmt -Check</b>	<b>05/19/2020</b>	<b>22165</b>	<b>CORELOGIC INFORMATION SOLUTIONS</b>	<b>82018557</b>	<b>1012 · Bank of America Gen'l Ckg</b>	
Bill	04/30/2020	82018557		82018557	7103.7 · Grdwtr Qual-Computer Svc	62.50
				82018557	7101.4 · Prod Monitor-Computer	62.50
TOTAL						<u>125.00</u>
<b>Bill Pmt -Check</b>	<b>05/19/2020</b>	<b>22166</b>	<b>DE HAAN, HENRY</b>	<b>Ag Pool Member Compensation</b>	<b>1012 · Bank of America Gen'l Ckg</b>	
Bill	04/09/2020	4/09 Ag Pool Mtg		4/09/20 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				4/09/20 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	04/17/2020	4/17 Special Ag Mtg		4/17/20 Special Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				4/17/20 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						<u>250.00</u>
<b>Bill Pmt -Check</b>	<b>05/19/2020</b>	<b>22167</b>	<b>EMPOWER LAB</b>	<b>1437</b>	<b>1012 · Bank of America Gen'l Ckg</b>	
Bill	05/13/2020	1437		Empower Lab-January/June 2020	6193 · Employee Training	6,450.00
TOTAL						<u>6,450.00</u>
<b>Bill Pmt -Check</b>	<b>05/19/2020</b>	<b>22168</b>	<b>KUHN, BOB</b>	<b>Board Member Compensation</b>	<b>1012 · Bank of America Gen'l Ckg</b>	
Bill	04/09/2020	4/09 Appro Pool Mtg		4/09/20 Appropriative Pool meeting	6311 · Board Member Compensation	125.00
Bill	04/16/2020	4/16 Advisory Comm		4/16/20 Advisory Committee meeting	6311 · Board Member Compensation	125.00
Bill	04/21/2020	4/21 Board Agenda		4/21/20 Board Agenda call	6311 · Board Member Compensation	125.00
Bill	04/23/2020	4/23 Board Mtg		4/23/20 Board Meeting	6311 · Board Member Compensation	125.00
Bill	04/28/2020	4/28 Admin Mtg		4/28/20 Admin. Mtg. w/PK, Exec. Committee	6311 · Board Member Compensation	125.00
TOTAL						<u>625.00</u>
<b>Bill Pmt -Check</b>	<b>05/19/2020</b>	<b>22169</b>	<b>LEGAL SHIELD</b>	<b>111802</b>	<b>1012 · Bank of America Gen'l Ckg</b>	
Bill	05/14/2020	111802		Employee deductions - May 2020	60194 · Other Employee Insurance	177.35
TOTAL						<u>177.35</u>

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	05/19/2020	22170	LUHDORFF & SCALMANINI	35967	1012 - Bank of America Gen'l Ckg	
Bill	04/30/2020	35967		Chino Basin SY Analysis - through 4/26/20	6906.73 · OBMP-2020 Safe Yield Recalc	5,242.50
TOTAL						5,242.50
Bill Pmt -Check	05/19/2020	22171	TELLEZ-FOSTER, EDGAR	Employee Expense Reimbursement	1012 - Bank of America Gen'l Ckg	
Bill	05/12/2020			Reimburse-ipad tripod	6031.7 · Other Office Supplies	32.61
				Reimburse-keyboard	6031.7 · Other Office Supplies	32.61
TOTAL						65.22
Bill Pmt -Check	05/19/2020	22172	VERIZON WIRELESS	9853919218	1012 - Bank of America Gen'l Ckg	
Bill	04/30/2020	9853919218		Acct #470810953-00001	6022 - Telephone	388.75
TOTAL						388.75
Bill Pmt -Check	05/19/2020	22173	WESTERN MUNICIPAL WATER DISTRICT	Board Member Compensation	1012 - Bank of America Gen'l Ckg	
Bill	04/21/2020	4/21 Budget Wkshp		4/21/20 Budget Workshop - Galleano	6311 - Board Member Compensation	125.00
Bill	04/23/2020	4/23 Board Mtg		4/23/20 Board meeting - Galleano	6311 - Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	05/21/2020	22174	CUCAMONGA VALLEY WATER DISTRICT	Lease For Office Space	1012 - Bank of America Gen'l Ckg	
Bill	05/19/2020			Lease due on June 1, 2020	1422 - Prepaid Rent	7,093.14
TOTAL						7,093.14
Bill Pmt -Check	05/21/2020	22175	FRONTIER COMMUNICATIONS	909-484-3890-050914-5	1012 - Bank of America Gen'l Ckg	
Bill	05/20/2020	9094843890050914-5		Office fax	6022 - Telephone	154.02
TOTAL						154.02
Bill Pmt -Check	05/21/2020	22176	GREAT AMERICA LEASING CORP.	27058395	1012 - Bank of America Gen'l Ckg	
Bill	05/20/2020	27058395		Invoice for April 2020 - standard payment	6043.1 - Ricoh Lease Fee	1,581.74
				Supply freight fee	6043.2 - Ricoh Usage & Maintenance Fee	8.57
TOTAL						1,590.31
Bill Pmt -Check	05/21/2020	22177	JOHN J. SCHATZ	Appropriative Pool Legal Services	1012 - Bank of America Gen'l Ckg	
Bill	04/30/2020			April 2020	8367 - Legal Service	31,900.00
TOTAL						31,900.00
Bill Pmt -Check	05/21/2020	22178	STAULA, MARY L	Retiree Medical	1012 - Bank of America Gen'l Ckg	
Bill	05/31/2020			Retiree Medical	60182.4 · Retiree Medical	30.72
TOTAL						30.72

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**May 2020**

Type	Date	Num	Name	Memo	Account	Paid Amount
<b>Bill Pmt -Check</b>	<b>05/22/2020</b>	<b>ACH 052120</b>	<b>PUBLIC EMPLOYEES' RETIREMENT SYSTEM</b>	<b>Payor #3493</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
General Journal	05/16/2020	05/16/2020	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 05/03/20-05/16/20	2000 - Accounts Payable	8,180.70
TOTAL						8,180.70
<b>Bill Pmt -Check</b>	<b>05/27/2020</b>	<b>ACH 052720</b>	<b>PUBLIC EMPLOYEES' RETIREMENT SYSTEM</b>	<b>Payor #3493</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/01/2020	05/27/2020		Unfunded Accrued Liability-Plan 3299	60180 - Employers PERS Expense	6,655.12
TOTAL						6,655.12
<b>Bill Pmt -Check</b>	<b>05/29/2020</b>	<b>22179</b>	<b>BROWNSTEIN HYATT FARBER SCHRECK</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/30/2020	801574		801574	6078 - BHFS Legal - Miscellaneous	36,296.55
Bill	04/30/2020	801575		GM Evaluation	6073 - BHFS Legal - Personnel Matters	538.65
				COVID-19 WC Questions	6073 - BHFS Legal - Personnel Matters	1,105.65
Bill	04/30/2020	801576		801576	6907.34 - Santa Ana River Water Rights	1,542.60
Bill	04/30/2020	801577		801577	6275 - BHFS Legal - Advisory Committee	1,069.20
Bill	04/30/2020	801578		801578	6375 - BHFS Legal - Board Meeting	4,155.30
Bill	04/30/2020	801579		801579	8375 - BHFS Legal - Appropriative Pool	1,425.60
Bill	04/30/2020	801580		801580	8475 - BHFS Legal - Agricultural Pool	1,247.40
Bill	04/30/2020	801581		801581	8575 - BHFS Legal - Non-Ag Pool	1,247.40
Bill	04/30/2020	801582		801582	6071 - BHFS Legal - Court Coordination	1,538.10
Bill	04/30/2020	801583		801583	6077 - BHFS Legal - Party Status Maint	3,803.40
Bill	04/30/2020	801584		801584	6907.38 - Reg. Water Quality Cntrl Board	89.10
Bill	04/30/2020	801585		801585	6907.39 - Recharge Master Plan	356.40
Bill	04/30/2020	801586		801586	6907.41 - Prado Basin Habitat Sustain	980.10
Bill	04/30/2020	801587		801587	6907.45 - OBMP Update	13,169.70
Bill	04/30/2020	801588		801588	6907.47 - 2020 Safe Yield Reset	45,362.70
Bill	04/30/2020	801589		801589	6078.25 - Ely 3 Basin Investigation	128.70
TOTAL						114,056.55
<b>Bill Pmt -Check</b>	<b>05/29/2020</b>	<b>22180</b>	<b>STANDARD INSURANCE CO.</b>	<b>Policy # 00-649299-0009</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/26/2020	006492990009		Policy # 00-649299-0009	60191 - Life & Disab.Ins Benefits	903.53
TOTAL						903.53
<b>Bill Pmt -Check</b>	<b>05/29/2020</b>	<b>22181</b>	<b>UNITED HEALTHCARE</b>	<b>052534978654</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/26/2020	052534978654		Dental Insurance Premium - June 2020	60182.2 - Dental & Vision Ins	805.17
TOTAL						805.17
<b>Bill Pmt -Check</b>	<b>05/29/2020</b>	<b>22182</b>	<b>VANDEN HEUVEL, GEOFFREY</b>	<b>Ag Pool Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/30/2020	4/30 SY Workshop		4/30/20 Safe Yield Workshop	8411 - Ag Pool Member Compensation	25.00
				4/30/20 Safe Yield Workshop	8470 - Ag Meeting Attend -Special	100.00
Bill	05/08/2020	5/08 Special Ag Mtg		5/08/20 Special Ag Pool Meeting	8411 - Ag Pool Member Compensation	25.00

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**May 2020**

Type	Date	Num	Name	Memo	Account	Paid Amount
				5/08/20 Special Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
Bill	05/14/2020	5/14 Ag Pool Mtg		5/14/20 Ag Pool Meeting	8411 - Ag Pool Member Compensation	25.00
				5/14/20 Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
Bill	05/22/2020	5/22 Special Ag Mtg		5/22/20 Special Ag Pool Meeting	8411 - Ag Pool Member Compensation	25.00
				5/22/20 Special Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
TOTAL						<u>500.00</u>
<b>Bill Pmt -Check</b>	<b>05/29/2020</b>	<b>22183</b>	<b>VERIZON WIRELESS</b>	<b>9854518111</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/26/2020	9854518111		Acct #642073270-00001	7103.7 - Grdwtr Qual-Computer Svc	100.04
TOTAL						<u>100.04</u>
<b>Bill Pmt -Check</b>	<b>05/29/2020</b>	<b>22184</b>	<b>ACCENT COMPUTER SOLUTIONS, INC.</b>	<b>135655</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/01/2020	135655		Monthly service - June 2020	6052.4 - IT Managed Services	3,584.48
				Overwatch - June 2020	6052.5 - IT Data Backup/Storage	616.02
				Omni Cloud - June 2020	6052.5 - IT Data Backup/Storage	134.84
				Office 365 subscriptions / Business Premium - Jun	6052.4 - IT Managed Services	172.51
				Image Office Storage (per GB, per month)	6052.5 - IT Data Backup/Storage	659.67
TOTAL						<u>5,167.52</u>
<b>Bill Pmt -Check</b>	<b>05/29/2020</b>	<b>22185</b>	<b>READY REFRESH BY NESTLE</b>	<b>0023230253</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/28/2020	0023230253		Office Water Bottle - May 2020	6031.7 - Other Office Supplies	22.37
TOTAL						<u>22.37</u>
<b>Bill Pmt -Check</b>	<b>05/29/2020</b>	<b>22186</b>	<b>TOM DODSON &amp; ASSOCIATES</b>	<b>CB271 20-5</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/28/2020	CB271 20-5		May 2020 - OBMP Update PEIR	6908.1 - 2020 OBMP Update-Dodson & Assoc	21,540.37
TOTAL						<u>21,540.37</u>
<b>Bill Pmt -Check</b>	<b>05/29/2020</b>	<b>22187</b>	<b>VISION SERVICE PLAN</b>	<b>00-101789-0001</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/28/2020	00101789		Vision Insurance Premium - June 2020	60182.2 - Dental & Vision Ins	93.83
TOTAL						<u>93.83</u>
<b>General Journal</b>	<b>05/31/2020</b>	<b>05/31/2020</b>	<b>Wage Works FSA Direct Debits - May 2020</b>	<b>Wage Works FSA Direct Debits - May 2020</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
				Wage Works FSA Direct Debits - May 2020	1012 - Bank of America Gen'l Ckg	516.93
				Wage Works FSA Direct Debits - May 2020	1012 - Bank of America Gen'l Ckg	516.93
				Wage Works FSA Direct Debits - May 2020	1012 - Bank of America Gen'l Ckg	76.25
TOTAL						<u>1,110.11</u>
					<b>Total Disbursements:</b>	<b><u><u>708,321.16</u></u></b>



# CHINO BASIN WATERMASTER

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**PETER KAVOUNAS, P.E.**  
General Manager

## STAFF REPORT

**DATE:** July 9, 2020  
**TO:** AP/ONAP/OAP Members  
**SUBJECT:** VISA Check Detail Report - Financial Report B2 (May 31, 2020)  
(Consent Calendar Item I.B.2.)

### SUMMARY

Issue: Record of VISA credit card payment disbursed for the month of May 2020.

Recommendation: Receive and file VISA Check Detail Report for May 2020 as presented.

Financial Impact: Funds disbursed were included in the FY 2019/20 "Amended" Watermaster Budget.

### Future Consideration

**Appropriative Pool – July 9, 2020:** Receive and File  
**Non-Agricultural Pool – July 9, 2020:** Receive and File  
**Agricultural Pool – July 9, 2020:** Receive and File  
**Advisory Committee – July 16, 2020:** Receive and File  
**Watermaster Board – July 23, 2020:** Receive and File (Normal Course of Business)

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### ACTIONS:

**Appropriative Pool – July 9, 2020:**  
**Non-Agricultural Pool – July 9, 2020:**  
**Agricultural Pool – July 9, 2020:**  
**Advisory Committee – July 16, 2020:**  
**Watermaster Board – July 23, 2020:**

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

## BACKGROUND

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

## DISCUSSION

The total cash disbursements during the month of May 2020 was \$1,669.08. The payment was processed in the amount of \$1,669.08 (by check number 22163 dated May 19, 2020). The monthly charges for May 2020 of \$1,669.08 were for routine and customary expenditures and properly documented with receipts.

## ATTACHMENTS

1. Financial Report - B2

CHINO BASIN WATERMASTER  
VISA Check Detail Report  
May 2020

Type	Num	Date	Name	Memo	Account	Paid Amount
Bill Pmt -Check	05/19/2020	22163	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 - Bank of America Gen'l Ckg	
Bill	05/30/2020	XXXX-XXXX-XXXX-9341		Cloth face masks for office - Covid-19	6031.7 - Other Office Supplies	37.39
				SanDisk portable 1TB drive	6055 - Computer Hardware	149.53
				Toner for office printer	6031.7 - Other Office Supplies	38.78
				Toner for office printer, paper	6031.7 - Other Office Supplies	149.35
				Miscellaneous office supplies	6031.7 - Other Office Supplies	24.56
				Replace end-of-life OnSite Defibrillator	6031.7 - Other Office Supplies	751.32
				Uniforms/jackets for field staff	6154 - Uniforms	498.99
				Face masks for office - Covid-19	6031.7 - Other Office Supplies	19.16
TOTAL					<b>Total Disbursements:</b>	<b><u><u>\$1,669.08</u></u></b>



# CHINO BASIN WATERMASTER

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**PETER KAVOUNAS, P.E.**  
General Manager

## STAFF REPORT

**DATE:** July 9, 2020  
**TO:** AP/ONAP/OAP Members  
**SUBJECT:** Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2019 through May 31, 2020 - Financial Report B3 (May 31, 2020)  
(Consent Calendar Item I.B.3.)

### SUMMARY

Issue: Record of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2019 through May 31, 2020.

Recommendation: Receive and file Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2019 through May 31, 2020 as presented.

Financial Impact: Funds disbursed were included in the FY 2019/20 "Amended" Watermaster Budget.

### Future Consideration

**Appropriative Pool – July 9, 2020:** Receive and File  
**Non-Agricultural Pool – July 9, 2020:** Receive and File  
**Agricultural Pool – July 9, 2020:** Receive and File  
**Advisory Committee – July 16, 2020:** Receive and File  
**Watermaster Board – July 23, 2020:** Receive and File (Normal Course of Business)

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### ACTIONS:

**Appropriative Pool – July 9, 2020:**  
**Non-Agricultural Pool – July 9, 2020:**  
**Agricultural Pool – July 9, 2020:**  
**Advisory Committee – July 16, 2020:**  
**Watermaster Board – July 23, 2020:**

*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, 2019 through May 31, 2020 is provided to keep all members apprised of the FY 2019/20 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, 2019 THROUGH MAY 31, 2020

Financial Report - B3

	WATERMASTER ADMINISTRATION	OPTIMUM BASIN MANAGEMENT	POOL ADMINISTRATION & SPECIAL PROJECTS			GROUNDWATER REPLENISHMENT	LAIF VALUE ADJ.	GASB 75 BEG. NET POSITION	GRAND TOTALS	AMENDED BUDGET 2019-2020
			APPROPRIATE POOL	AG POOL	NON-AG POOL					
<b>Administrative Revenues:</b>										
Administrative Assessments			8,100,143		364,536				8,464,678	8,395,297
Interest Revenue			141,127	8,612	1,926				151,665	75,124
Mutual Agency Project Revenue	171,905								171,905	171,906
Miscellaneous Income	89								89	0
<b>Total Revenues</b>	<b>171,994</b>	<b>-</b>	<b>8,241,270</b>	<b>8,612</b>	<b>366,462</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8,788,338</b>	<b>8,642,327</b>
<b>Administrative &amp; Project Expenditures:</b>										
Watermaster Administration	1,404,460								1,404,460	1,589,738
Watermaster Board-Advisory Committee	164,524								164,524	234,147
Ag Pool Misc. Expense - Ag Fund				-					-	400
Pool Administration			229,434	490,485	86,220				806,139	798,473
Optimum Basin Mgmt Administration		2,375,760							2,375,760	2,308,840
OBMP Project Costs		2,480,972							2,480,972	3,980,468
Debt Service		526,276							526,276	633,440
Basin Recharge Improvements		-							-	1,634,782
<b>Total Administrative/OBMP Expenses</b>	<b>1,568,984</b>	<b>5,383,008</b>	<b>229,434</b>	<b>490,485</b>	<b>86,220</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>7,758,131</b>	<b>11,180,288</b>
Net Administrative/OBMP Expenses	(1,396,990)	(5,383,008)								
Allocate Net Admin Expenses To Pools	<u>1,396,990</u>		1,048,912	302,048	46,030				-	
Allocate Net OBMP Expenses To Pools		4,856,732	3,685,540.12	1,050,090	121,102				-	
Allocate Debt Service to App Pool		526,276	526,276						-	
Allocate Basin Recharge to App Pool		-	-						-	
Agricultural Expense Transfer*			1,842,623	(1,842,623)					-	
<b>Total Expenses</b>	<b>7,332,785</b>	<b>-</b>	<b>7,332,785</b>	<b>-</b>	<b>253,352</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>7,758,131</b>	<b>11,180,288</b>
<b>Net Administrative Income</b>			<b>908,485</b>	<b>8,612</b>	<b>113,110</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,030,207</b>	<b>(2,537,961)</b>
<b>Other Income/(Expense)</b>										
Replenishment Water Assessments						1,059,430			1,059,430	0
Desalter Replenishment Obligation						61,942			61,942	0
Non-Ag Stored Water Purchases									-	0
Exhibit "G" Non-Ag Pool Water			675,000						675,000	0
RTS Charges from IEUA						(31,147)			(31,147)	0
Interest Revenue						3,016			3,016	0
MWD Water Purchases									-	0
Non-Ag Stored Water Purchases									-	0
Exhibit "G" Non-Ag Pool Water									-	0
MWD Water Purchases									-	0
Groundwater Replenishment						(1,413,794)			(1,413,794)	0
LAIF - Fair Market Value Adjustment									-	0
Other Post-Employment Benefits (OPEB)									-	0
Refund-Excess Reserves			(271,110)						(271,110)	0
Refund-Recharge Debt			(64,564)						(64,564)	0
Funding To/(From) Reserves									-	(225,500)
<b>Net Other Income/(Expense)</b>			<b>339,326</b>	<b>-</b>	<b>-</b>	<b>(320,554)</b>	<b>-</b>	<b>-</b>	<b>18,771</b>	<b>(225,500)</b>
<b>Net Transfers To/(From) Reserves</b>		<b>1,048,978</b>	<b>1,247,811</b>	<b>8,612</b>	<b>113,110</b>	<b>(320,554)</b>	<b>-</b>	<b>-</b>	<b>1,048,978</b>	<b>(2,312,461)</b>
<b>Net Assets, July 1, 2019</b>			<b>7,737,657</b>	<b>505,144</b>	<b>25,310</b>	<b>314,372</b>	<b>16,184</b>	<b>(443,445)</b>	<b>8,155,223</b>	
<b>Net Assets, End of Period</b>			<b>8,985,468</b>	<b>513,756</b>	<b>138,420</b>	<b>(6,182)</b>	<b>16,184</b>	<b>(443,445)</b>	<b>9,204,201</b>	<b>9,204,201</b>
<b>18/19 Assessable Production</b>			<b>75,114.142</b>	<b>21,785.871</b>	<b>3,860.993</b>				<b>100,761.006</b>	
<b>18/19 Production Percentages</b>			<b>74.547%</b>	<b>21.621%</b>	<b>3.832%</b>				<b>100.000%</b>	

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

N:\Administration\Meetings - Agendas & Minutes\2020\Staff Reports\07 - July\Pool\20200709 - B3 Combining Schedule-May 2020.xlsx\Jul2019-May2020



# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, CA 91730  
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**PETER KAVOUNAS, P.E.**  
General Manager

## STAFF REPORT

**DATE:** July 9, 2020  
**TO:** AP/ONAP/OAP Members  
**SUBJECT:** Treasurer's Report of Financial Affairs for the Period May 1, 2020 through May 31, 2020 -  
Financial Report B4 (May 31, 2020)  
(Consent Calendar Item I.B.4.)

### SUMMARY

Issue: Record of increases or decreases in the cash position, assets and liabilities of Watermaster for the Period of May 1, 2020 through May 31, 2020.

Recommendation: Receive and file Treasurer's Report of Financial Affairs for the Period May 1, 2020 through May 31, 2020 as presented.

Financial Impact: Funds disbursed were included in the FY 2019/20 "Amended" Watermaster Budget.

### Future Consideration

**Appropriative Pool – July 9, 2020:** Receive and File  
**Non-Agricultural Pool – July 9, 2020:** Receive and File  
**Agricultural Pool – July 9, 2020:** Receive and File  
**Advisory Committee – July 16, 2020:** Receive and File  
**Watermaster Board – July 23, 2020:** Receive and File (Normal Course of Business)

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### ACTIONS:

**Appropriative Pool – July 9, 2020:**  
**Non-Agricultural Pool – July 9, 2020:**  
**Agricultural Pool – July 9, 2020:**  
**Advisory Committee – July 16, 2020:**  
**Watermaster Board – July 23, 2020:**

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

## BACKGROUND

A Treasurer's Report of Financial Affairs for the Period May 1, 2020 through May 31, 2020 is provided to keep all members apprised of the total cash in banks (Bank of America, LAIF, and CalTRUST); cash on deposit in trust with the County of San Bernardino as a result of the Cooperation and Reimbursement Agreement between Chino Basin Watermaster and County of San Bernardino dated May 25, 2017; and cash on hand at the Watermaster office (petty cash) at the end of the period stated. The Treasurer's Report details the change (increase or decrease) in the overall cash position of Watermaster, as well as the changes (increase or decrease) to the assets and liabilities section of the balance sheet. The report also provides a detailed listing of all deposits and/or withdrawals in the California State Treasurer's Local Agency Investment Fund (LAIF) and/or CalTRUST, the most current effective yield as of the last quarter, and the ending balance in LAIF as of the reporting date.

## DISCUSSION

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

## ATTACHMENTS

1. Financial Report - B4

**CHINO BASIN WATERMASTER  
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD  
MAY 1, 2020 THROUGH MAY 31, 2020**

Financial Report - B4

**DEPOSITORIES:**

Cash on Hand - Petty Cash			\$	500
Bank of America				
Governmental Checking-Demand Deposits	\$	330,324		
Zero Balance Account - Payroll		(40,401)		289,923
Trust Account - County of San Bernardino				845
Local Agency Investment Fund - Sacramento				10,103,335
<b>TOTAL CASH IN BANKS AND ON HAND</b>				<b>\$ 10,394,603</b>
TOTAL CASH IN BANKS AND ON HAND	5/31/2020			11,082,448
	4/30/2020			11,082,448
<b>PERIOD INCREASE (DECREASE)</b>				<b>\$ (687,845)</b>

**CHANGE IN CASH POSITION DUE TO:**

Decrease/(Increase) in Assets: Accounts Receivable			\$	(40,387)
Assessments Receivable				(67,750)
Prepaid Expenses, Deposits & Other Current Assets				-
(Decrease)/Increase in Liabilities: Accounts Payable				30,819
Accrued Payroll, Payroll Taxes & Other Current Liabilities				(67,087)
Long Term Liabilities				3,525
Transfer to/(from) Reserves				(546,965)
<b>PERIOD INCREASE (DECREASE)</b>				<b>\$ (687,845)</b>

**SUMMARY OF FINANCIAL TRANSACTIONS:**

	Petty Cash	Gov't Checking Demand	Zero Balance Account Payroll	Trust Account County of San Bernardino	Local Agency Investment Funds	Totals
Balances as of 4/30/2020	\$ 500	\$ 977,768	\$ -	\$ 845	\$ 10,103,335	\$ 11,082,448
Deposits	-	60,877	-	-	-	60,877
Transfers	-	(158,058)	(108,195)	-	-	(266,253)
Withdrawals/Checks	-	(550,263)	67,794	-	-	(482,469)
	\$ 500	\$ 330,324	\$ (40,401)	\$ 845	\$ 10,103,335	\$ 10,394,603
<b>PERIOD INCREASE OR (DECREASE)</b>	<b>\$ -</b>	<b>\$ (647,444)</b>	<b>\$ (40,401)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (687,845)</b>

**CHINO BASIN WATERMASTER  
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD  
MAY 1, 2020 THROUGH MAY 31, 2020**

**INVESTMENT TRANSACTIONS**

Effective Date	Transaction	Depository	Activity	Redeemed	Days to Maturity	Interest Rate(*)	Maturity Yield
			-				
			-				
<b>TOTAL INVESTMENT TRANSACTIONS</b>			<b>\$ -</b>	<b>\$0</b>			

\* The earnings rate for L.A.I.F. is a daily variable rate; 2.03% was the effective yield rate at the Quarter ended March 31, 2020.

**INVESTMENT STATUS  
May 31, 2020**

<u>Financial Institution</u>	<u>Principal Amount</u>	<u>Number of Days</u>	<u>Interest Rate</u>	<u>Maturity Date</u>
Local Agency Investment Fund	\$ 10,103,335			
<b>TOTAL INVESTMENTS</b>	<b>\$ 10,103,335</b>			

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

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

Respectfully submitted,



Joseph S. Joswiak  
Chief Financial Officer  
Chino Basin Watermaster



# CHINO BASIN WATERMASTER

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**PETER KAVOUNAS, P.E.**  
General Manager

## STAFF REPORT

DATE: July 9, 2020  
TO: AP/ONAP/OAP Members  
SUBJECT: Budget vs. Actual Report for the Period July 1, 2019 through May 31, 2020 -  
Financial Report B5 (May 31, 2020)  
(Consent Calendar Item I.B.5.)

### SUMMARY

Issue: Record of revenues and expenses of Watermaster for the Period of July 1, 2019 through May 31, 2020.

Recommendation: Receive and file Budget vs. Actual Report for the Period July 1, 2019 through May 31, 2020 as presented.

Financial Impact: Funds disbursed were included in the FY 2019/20 "Amended" Watermaster Budget.

### Future Consideration

**Appropriative Pool – July 9, 2020:** Receive and File  
**Non-Agricultural Pool – July 9, 2020:** Receive and File  
**Agricultural Pool – July 9, 2020:** Receive and File  
**Advisory Committee – July 16, 2020:** Receive and File  
**Watermaster Board – July 23, 2020:** Receive and File (Normal Course of Business)

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### ACTIONS:

**Appropriative Pool – July 9, 2020:**  
**Non-Agricultural Pool – July 9, 2020:**  
**Agricultural Pool – July 9, 2020:**  
**Advisory Committee – July 16, 2020:**  
**Watermaster Board – July 23, 2020:**

*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, 2019 through May 31, 2020 is provided to keep all members apprised of the total revenues and expenses for the current fiscal year. The expense section is categorized into four distinct sections. Those sections are: General and Administrative Expenses; Optimum Basin Management Program Expenses; Project Expenses; and Other Income/Expenses. The Budget vs. Actual report has been created from Intuit QuickBooks Enterprise Solutions 18.0, the Watermaster accounting system. The Budget vs. Actual report provided, balances to the supporting documentation in the Watermaster accounting system, as well as the supporting bank statements.

## DISCUSSION

### CURRENT MONTH – MAY 2020

Year-To-Date (YTD) for the eleven months ending May 31, 2020, all but four categories were at or below the projected budget. The categories over budget were: (1) Watermaster Legal Services expenses (6070's) over budget by \$85,460 or 34.2% as a result of ongoing legal services compared to the Y-T-D budget in the miscellaneous category of (6078) over the last eleven months; (2) Agricultural Pool Legal Services (8467's) over budget by \$130,674 or 47.5% as a result of increased legal activities performed by the Agricultural Pool's attorney and associated consulting activities during the three months of March 2020 through May 2020; (3) the Optimum Basin Management Plan expenses (6900's) over budget by \$144,799 or 7.0% as a result of expanded activities with regards to the 2020 Safe Yield Reset which increased the amount of time being allocated to the project through the increased Watermaster salaries expenses, increased Engineering Services expenses, and increased Legal Services expenses; and (4) Recharge and Well Monitoring Program expenses (7109's) over budget by \$1,021 or 4.2%. For the majority of the expense categories within the Watermaster budget for FY 2019/20, the individual line-item budgets are divided into 12-monthly amounts and allocated accordingly. As the fiscal year progresses, the categories listed above could level out over time and be within the budget levels.

Watermaster is not submitting a Budget Transfer Form or Budget Amendment Form at the present time. The plan is to submit these documents for recommendation and approval during the August 2020 Pools, Advisory Committee, and Board meetings (or September 2020 if the Pools, Advisory Committee, and Board meetings in August are not scheduled) which will allow for an exact amount required for transfer and/or amendment since this will be the closing cycle for the fiscal year ending June 30, 2020. A Budget Transfer reallocates the existing FY 2019/20 approved budget, which does not increase the approved budget amount. A Budget Amendment would reallocate funding from the Reserve Funds, and does increase the overall FY 2019/20 approved budget.

Overall, the Watermaster (YTD) Actual Expenses were \$3,007,111 or 28.0% below the (YTD) Budgeted Expenses of \$10,765,242.

### PREVIOUSLY REPORTED ACTIONS (Descending Order)

February 2020:

The First Amendment to Task Order No. 1 Under Master Agreement Regarding the Management of Collaborative Projects (Salinity Management) was unanimously approved by the Advisory Committee on March 19, 2020 and approved unanimously by the Board on March 26, 2020. As reported within the Financial Impact section of the Staff Report, "The total increase for Watermaster costs to complete the project is \$97,925. A budget amendment will be required to cover the \$33,776 for the remainder of the FY 19/20 and the remaining project costs of \$59,076 and \$43,186 for contingency and environmental review will be budgeted for FY 20/21". Watermaster is not submitting a Budget Amendment Form in the amount of \$33,776 at the present time. Over the next few months, as Watermaster gets closer to the June 30, 2020 fiscal year closing, under budget variances within the Engineering Services budget could allow for a Budget Transfer to fund the shortfall amount of \$33,776 instead of a Budget Amendment. A Budget Transfer reallocates the existing FY 2019/20 approved budget, which does not increase the approved budget

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amount. A Budget Amendment would reallocate funding from the OBMP Reserve Fund, and does increase the overall FY 2019/20 approved budget. The second quarter ECAC report (July 1, 2019 – December 31, 2019) showed an estimated under budget variance at June 30, 2020 of approximately \$60,446 for the Engineering Services. The third quarter ECAC report (July 1, 2019 – March 31, 2020) is scheduled for issuance in early May 2020.

#### December 2019:

The Budget Amendment Form A-19-12-01 was approved unanimously by the Board on December 19, 2019. For the accounting month of December 2019, Budget Amendment Form A-19-12-01 was recorded in the amount of \$225,500 under the 2020 OBMP Update - Dodson & Associates expenses (account 6908.1). The additional funding of \$225,500 came from the OBMP Reserve Fund which had an available balance of \$908,044. The new available balance of the OBMP Reserve Fund is now \$682,544 (\$908,044 - \$225,500 = \$682,544). With the addition of the \$225,500 from Budget Amendment Form A-19-12-01, the Approved "Amended" Budget for FY 2019/20 was increased from \$10,954,787.70 to \$11,180,287.70 (which includes the additional "Carry Over" funding of \$2,312,460.70).

#### August 2019:

There were no Pool, Advisory or Board meetings scheduled for the month of August 2019.

#### July 2019:

During the month of July 2019, the "Carry Over" funding was calculated. The Total "Carry Over" funding amount of \$2,312,460.70 has been posted to the general ledger accounts. The total amount of \$2,312,460.70 consisted of \$1,634,781.70 from Capital Improvement Projects, \$357,050.00 from OBMP Activities, \$313,129.00 from Engineering Services, and \$7,500.00 from Administration Services. More detailed information is provided regarding this issue under the "Carry Over" Funding section.

The Amended Budget for FY 2019/20 is \$10,924,787.70 which includes \$2,312,460.70 for the prior years "Carry Over" funding. The Original Approved budget for FY 2019/20 of \$8,612,327 was adopted by the Watermaster Board on May 23, 2019 ( $\$8,612,327 + \$2,312,460.70 = \$10,924,787.70$ ).

## SALARIES EXPENSE

### CURRENT MONTH – MAY 2020

As of May 31, 2020, the total (YTD) Watermaster salary expenses were \$30,543 or 1.7% below the (YTD) budgeted amount of \$1,850,752. The overall staffing budget was developed with a staffing level of ten Full-Time Equivalent (FTE's), and staffing is currently at ten Full-Time Equivalent (FTE's).

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

When the FY 2019/20 budget was developed, basic assumptions were used in allocating how staff's time would be spent and on which of the projects or activities. The staffing dollars were then allocated into those specific areas and budgeted on a 1/12 monthly budget. When actual staffing activities vary from the budgeted assumptions, a positive or negative variance can be created. Currently, the allocations are tracking within budget.

The table summarizes the Year-To-Date (YTD) Actual Watermaster salary costs compared to the Year-To-Date (YTD) Budget as of May 31, 2020. 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 '19 - May '20</u> <u>Actual</u>	<u>Jul '19 - May '20</u> <u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>	<u>FY 2019/20</u> <u>Annual Budget</u>
<b>WM Salary Expense</b>					
6011 - WM Staff Salaries	974,514.30	1,001,387.00	-26,872.70	97.32%	1,084,836.00
6011.1 - WM Staff Salaries - Overtime	16,627.47	0.00	16,627.47	100.0%	0.00
6011.4 - 457(f) NQDC Plan	31,056.02	35,317.00	-4,260.98	87.94%	38,528.00
6017- Temporary Services	1,128.64	19,250.00	-18,121.36	5.86%	21,000.00
6201 - Advisory Committee - WM Staff Salaries	23,246.98	25,292.00	-2,045.02	91.91%	27,400.00
6301 - Watermaster Board - WM Staff Salaries	40,442.65	40,393.00	49.65	100.12%	43,759.00
8301 - Appropriative Pool - WM Staff Salaries	44,973.54	37,508.00	7,465.54	119.9%	40,634.00
8401 - Agricultural Pool - WM Staff Salaries	22,072.39	31,835.00	-9,762.61	69.33%	34,488.00
8501 - Non-Agricultural Pool - WM Staff Salaries	17,205.41	21,809.00	-4,603.59	78.89%	23,626.00
6901 - OBMP - WM Staff Salaries	237,381.25	116,640.00	120,741.25	203.52%	126,360.00
7101.1 - Production Monitor - WM Staff Salaries	61,987.27	71,347.00	-9,359.73	86.88%	77,293.00
7102.1 - In-line Meter - WM Staff Salaries	0.00	15,672.00	-15,672.00	0.0%	16,978.00
7103.1 - Grdwater Quality - WM Staff Salaries	46,421.19	53,219.00	-6,797.81	87.23%	57,654.00
7104.1 - Grdwater Level - WM Staff Salaries	70,380.38	54,386.00	15,994.38	129.41%	58,918.00
7107.1 - GrdLevel Monitoring - WM Staff Salaries	711.20	5,603.00	-4,891.80	12.69%	6,072.00
7108.1 - Hydraulic Control - WM Staff Salaries	1,133.01	3,788.00	-2,654.99	29.91%	4,104.00
7108.11 - Prado Basin - WM Staff Salaries	399.02	5,541.00	-5,141.98	7.2%	6,003.00
7201 - Comp Recharge - WM Staff Salaries	58,745.42	57,095.00	1,650.42	102.89%	61,853.00
7301 - PE3&5 - WM Staff Salaries	4,723.40	15,890.00	-11,166.60	29.73%	17,214.00
7401 - PE4 - WM Staff Salaries	3,468.05	9,730.00	-6,261.95	35.64%	10,541.00
7501 - PE6&7 - WM Staff Salaries	1,921.01	5,235.00	-3,313.99	36.7%	5,671.00
7501.1 - PE 6&7 - WM Staff Salaries (Plume)	0.00	4,998.00	-4,998.00	0.0%	5,415.00
7601 - PE8&9 - WM Staff Salaries	9,740.04	21,063.00	-11,322.96	46.24%	22,818.00
<b>Subtotal WM Staff Costs</b>	<b>1,668,278.64</b>	<b>1,652,998.00</b>	<b>15,280.64</b>	<b>100.92%</b>	<b>1,791,165.00</b>
60185 - Vacation	74,727.92	75,354.00	-626.08	99.17%	82,204.00
60186 - Sick Leave	17,372.11	51,785.00	-34,412.89	33.55%	56,493.00
60187 - Holidays	59,830.25	70,615.00	-10,784.75	84.73%	70,615.00
<b>Subtotal WM Paid Leaves</b>	<b>151,930.28</b>	<b>197,754.00</b>	<b>-45,823.72</b>	<b>76.83%</b>	<b>209,312.00</b>
<b>Total WM Salary Costs</b>	<b>1,820,208.92</b>	<b>1,850,752.00</b>	<b>-30,543.08</b>	<b>98.35%</b>	<b>2,000,477.00</b>

PREVIOUSLY REPORTED ACTIONS (Descending Order)

January 2020:

The Administrative Assistant submitted her written resignation on January 10, 2020. For a portion of January, the Administrative Assistant position duties were being filled by a temporary agency employee. During the same time period, Watermaster staff were evaluating and interviewing possible candidates who were being submitted for evaluation by multiple temporary agencies.

During the same time frame, Anna Nelson, the Watermaster Executive Services Director, reached out to several water agencies in the local area to see if they had any recommendations or suggestions on possible candidates for the open position. From this outreach, a candidate did contact Watermaster and was interviewed for the open position. On January 24, 2020, a conditional offer of employment was issued with the final screening process being successful completion of a background investigation, passing a drug test, and passing a pre-employment physical. The new employee started employment with Watermaster on February 10, 2020.

LEGAL SERVICES  
BROWNSTEIN HYATT FARBER SCHRECK EXPENSES

CURRENT MONTH – MAY 2020

*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 May 31, 2020, 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 \$12,710 or 1.4% above the (YTD) budgeted amount of \$886,637.

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 2019/20. 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 \$958,953.

WATERMASTER ADMINISTRATIVE LEGAL SERVICES:

Overall, the Watermaster Administrative Legal Services expense (6070's) as of May 31, 2020, was \$85,460 or 34.2% above the budgeted amount of \$249,525. The specific items within the Administrative Legal Services expenses (6070's) which were over budget were the Personnel Matters (6073) over budget by \$4,708 or 47.6%; Miscellaneous (6078) which were over budget by \$200,636 or 229.1%; and the Ely Basin Investigation (6078.25) which were over budget by \$2,192 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 Court Coordination expenses (6072) under budget by \$26,000 or 74.1%; Rules and Regulations (6072) under budget by \$1,265 or 12.7%; Interagency Issues (6074) under budget by \$32,670 or 100.0%; Party Status Maintenance expenses (6077) under budget by \$7,531 or 43.8%; and Assessment Packages-Updates (6078.13) under budget by \$54,611 or 95.6%.

WATERMASTER POOLS, ADVISORY AND BOARD LEGAL SERVICES:

The Pools, Advisory Committee and the Board meeting legal expenses from BHFS are captured by month within the accounts (6275, 6375, 6375.1, 8375, 8475 and 8575). The legal service costs associated with the Board Workshop(s) are also included as part of this group. Overall, this category of legal expenses as of May 31, 2020 was \$70,202 or 39.9% below the budgeted amount of \$176,288. Normal Brownstein Hyatt Farber Schreck meeting attendance during any given month includes attendance at all three pool meetings, one Advisory Committee meeting and one Board meeting. For the month of August 2019, no Watermaster meetings were held. The legal services budget was developed with the assumption of having eleven months of meetings, intentionally excluding the month of December 2019. For December 2019, meetings were conducted during the month.

OBMP LEGAL SERVICES:

The OBMP legal expenses (accounts 6907.31 through 6907.90) were below the budget for the month. As of May 31, 2020, the category of OBMP legal expenses were \$2,548 or 0.6% below the budgeted amount of \$460,824. The majority of expenses within this OBMP category were under budget (YTD), however, the Santa Ana River Water Rights expenses (6907.34) were over budget by \$1,830 or 12.3%; the OBMP Update expenses (6907.45) were over budget by \$184,347 or 185.9%; the Upper SAR Integrated Model expenses (6907.46) were over budget by \$267 or 100%; and the 2020 Safe Yield Reset expenses (6907.47) were over budget by \$44,274 or 44.6%.

Watermaster does not plan to present any Budget Transfers or Budget Amendments at this time for the Brownstein Hyatt Farber Schreck expenses.

The table listed below summarizes the Brownstein Hyatt Farber Schreck (BHFS) expenses as of May 31, 2020 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 '19 - May '20 Actual	Jul '19 - May '20 Budget	\$ Over Budget	% of Budget	FY 2019/20 Annual Budget
<b>6070 - Watermaster Legal Services</b>					
6071 - BHFS Legal - Court Coordination	9,108.00	35,108.00	-26,000.00	25.94%	38,300.00
6072 - BHFS Legal - Rules & Regulations	8,658.12	9,923.00	-1,264.88	87.25%	10,825.00
6073 - BHFS Legal - Personnel Matters	14,607.85	9,900.00	4,707.85	147.55%	9,900.00
6074 - BHFS Legal - Interagency Issues	0.00	32,670.00	-32,670.00	0.0%	35,640.00
6076 - BHFS Legal - Storage Issues	0.00	0.00	0.00	0.0%	0.00
6077 - BHFS Legal - Party Status Maintenance	9,655.65	17,187.00	-7,531.35	56.18%	18,750.00
6078 - BHFS Legal - Miscellaneous (Note 1)	288,223.36	87,587.00	200,636.36	329.07%	95,550.00
6078.13 - BHFS - Assessment Packages-Updates	2,539.35	57,150.00	-54,610.65	4.44%	57,150.00
6078.25 - BHFS - Ely # Basin Investigation	2,192.40	0.00	2,192.40	100.0%	0.00
<b>Total 6070 - Watermaster Legal Services</b>	<b>334,984.73</b>	<b>249,525.00</b>	<b>85,459.73</b>	<b>134.25%</b>	<b>266,115.00</b>
6275 - BHFS Legal - Advisory Committee	11,239.91	19,800.00	-8,560.09	56.77%	21,780.00
6375 - BHFS Legal - Board Meeting	49,283.48	70,200.00	-20,916.52	70.2%	77,220.00
6375.1 - BHFS Legal - Board Workshop(s)	0.00	12,038.00	-12,038.00	0.0%	12,038.00
8375 - BHFS Legal - Appropriative Pool	15,426.69	24,750.00	-9,323.31	62.33%	27,225.00
8475 - BHFS Legal - Agricultural Pool	15,226.52	24,750.00	-9,523.48	61.52%	27,225.00
8575 - BHFS Legal - Non-Ag Pool	14,909.70	24,750.00	-9,840.30	60.24%	27,225.00
<b>Total BHFS Legal Services</b>	<b>106,086.30</b>	<b>176,288.00</b>	<b>-70,201.70</b>	<b>60.18%</b>	<b>192,713.00</b>
<b>6907.3 - WM Legal Counsel</b>					
6907.31 - Archibald South Plume	0.00	12,031.00	-12,031.00	0.0%	13,125.00
6907.32 - Chino Airport Plume	0.00	12,031.00	-12,031.00	0.0%	13,125.00
6907.33 - Desalter/Hydraulic Control	89.10	21,656.00	-21,566.90	0.41%	23,625.00
6907.34 - Santa Ana River Water Rights	16,748.55	14,919.00	1,829.55	112.26%	16,275.00
6907.36 - Santa Ana River Habitat	3,048.30	43,404.00	-40,355.70	7.02%	47,350.00
6907.38 - Reg. Water Quality Cntrl Board	712.80	25,254.00	-24,541.20	2.82%	27,550.00
6907.39 - Recharge Master Plan	6,147.93	19,892.00	-13,744.07	30.91%	21,700.00
6907.40 - Storage Agreements	89.10	30,617.00	-30,527.90	0.29%	33,400.00
6907.41 - Prado Basin Habitat Sustainability	3,160.80	14,896.00	-11,735.20	21.22%	16,250.00
6907.42 - Safe Yield Recalculation	0.00	0.00	0.00	0.0%	0.00
6907.44 - SGMA Compliance	1,024.65	9,946.00	-8,921.35	10.3%	10,850.00
6907.45 - OBMP Update	283,530.41	99,183.00	184,347.41	285.87%	108,200.00
6907.46 - Upper SAR Integrated Model	267.30	0.00	267.30	100.0%	0.00
6907.47 - 2020 Safe Yield Reset	143,457.03	99,183.00	44,274.03	144.64%	108,200.00
6907.48 - Ely Basin Investigation	0.00	28,525.00	-28,525.00	0.0%	28,525.00
6907.90 - WM Legal Counsel - Unanticipated	0.00	29,287.00	-29,287.00	0.0%	31,950.00
<b>Total 6907 - WM Legal Counsel</b>	<b>458,275.97</b>	<b>460,824.00</b>	<b>-2,548.03</b>	<b>99.45%</b>	<b>500,125.00</b>
<b>Total Brownstein, Hyatt, Farber, Schreck Costs</b>	<b>899,347.00</b>	<b>886,637.00</b>	<b>12,710.00</b>	<b>101.43%</b>	<b>958,953.00</b>

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

**PREVIOUSLY REPORTED ACTIONS (Descending Order)**

None

**OBMP ENGINEERING SERVICES AND LEGAL COSTS**

*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*

CURRENT MONTH – MAY 2020

Reviewing in total the OBMP Engineering Services and Legal Costs (consolidating the five categories of OBMP Watermaster Staff and SAWPA, OBMP Engineering Services, OBMP Legal Costs, OBMP Update Costs, and OBMP Other Expenses) for the eleven months ending May 31, 2020, the actual expenses of \$2,204,841 were above the budgeted amount of \$2,060,042 by \$144,799 or 7.0%. For a detailed discussion, the following is provided.

For May 31, 2020, the accounts 6901-6903 (Optimum Basin Mgmt. Program) section was above the Year-To-Date (YTD) budget by \$109,381 or 76.5%. 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 more time on specific OBMP related areas as budgeted. As a result, Watermaster staff allocated more actual time to the OBMP project as budgeted, which resulted in an over-budget variance of \$120,741 or 103.5%. The remaining expense was the Santa Ana Watershed Project Authority (SAWPA) FY 2019/20 Basin Monitoring Program Task Force Contribution which was budgeted at \$26,392 and actual expenses were \$11,360 or 43.1% below budget as of May 31, 2020.

For May 31, 2020, the accounts 6906 (Optimum Basin Mgmt. Program Engineering Services) section was above the Year-To-Date (YTD) budget by \$79,128 or 6.5%. 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 \$82,658 or 21.7%; and the OBMP-Safe Yield Recalculation expenses (6906.73) which were over budget by \$186,565 or 71.3%.

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 \$230,718 while some other line item activities were below the budget by \$233,266. Above the budget line item were the Santa Ana River Water Rights expenses of \$1,830; the OBMP Update expenses of \$184,347; the Upper SAR Integrated Model expenses of \$267; and the 2020 Safe Yield Reset expenses (6907.47) of \$44,274. The individual legal projects/activities that were below budget for the Year-To-Date (YTD) period were the Archibald South Plume of \$12,031; the Chino Airport Plume of \$12,031; the Desalter/Hydraulic Control of \$21,567; Santa Ana River Habitat of \$40,356; the Regional Water Quality Control Board of \$24,541; the Recharge Master Plan expenses of \$13,744; Storage Agreements of \$30,528; the Prado Basin Habitat Sustainability of \$11,735; SGMA Compliance of \$8,921; the Ely Basin Investigation expenses of \$28,525; and the WM Unanticipated legal expenses of \$29,287. For the eleven months ended May 31, 2020, the overall cumulative (YTD) budget was \$460,824 and the actual (BHFS) legal expenses totaled \$458,276 which resulted in an under-budget variance of \$2,548 or 0.6%.

The OBMP Update Costs (6908.1) were below the budget for the month. These expenses relate to the OBMP Update costs for the contract between Tom Dodson and Associates and CBWM to procure environmental review services for the 2020 OBMP Update. This budget was funded through Budget Amendment A-19-12-01 in the amount of \$225,500. Budget Amendment A-19-12-01 was adopted by the Board on December 19, 2019. As of May 31, 2020, this category of expenses was \$37,216 or 16.5% below the budgeted amount of \$225,500.

The OBMP Other Expenses (6909's) were below the budget for the month. These expenses are typically conference calls, meeting expenses, supplies, annual inspection fees, and other miscellaneous type expenses. As of May 31, 2020, this category of expenses was \$3,947 or 47.1% below the budgeted amount of \$8,375.

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

Overall, the Optimum Basin Management Program (OBMP) category was \$2,204,841 compared to a (YTD) budget of \$2,060,042 for an over budget of \$144,799 or 7.0% as of May 31, 2020.

The table listed below summarizes the Optimum Basin Management Program (OBMP) expenses as of May 31, 2020 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 '19 - May '20 Actual	Jul '19 - May '20 Budget	\$ Over Budget	% of Budget	FY 2019/20 Annual Budget
<b>6900 - Optimum Basin Mgmt Plan</b>					
6901 - WM Staff Salaries	237,381.25	116,640.00	120,741.25	203.52%	126,360.00
6903 - OBMP SAWPA Group	15,032.00	26,392.00	-11,360.00	56.96%	26,392.00
<b>Total 6901-6903 - OBMP WM Staff/SAWPA</b>	<b>252,413.25</b>	<b>143,032.00</b>	<b>109,381.25</b>	<b>176.47%</b>	<b>152,752.00</b>
<b>6906 - OBMP Engineering Services</b>					
6906.1 - OBMP - Watermaster Model Update	1,541.70	4,280.00	-2,738.30	36.02%	4,280.00
6906.15 - Integrated Model Mtgs. - IEUA Costs	7,345.15	19,140.00	-11,794.85	38.38%	20,880.00
6906.17 - Planning Study Analysis	5,934.50	10,841.00	-4,906.50	54.74%	11,826.00
6906.18 - Prado Dam FS/EIS/EIR-50% IEUA	0.00	17,013.00	-17,013.00	0.0%	18,560.00
6906.21 - State of the Basin Report	0.00	0.00	0.00	0.0%	0.00
6906.22 - Water Rights Compliance Reporting	11,386.55	18,942.00	-7,555.45	60.11%	20,664.00
6906.23 - SGMA Reporting Requirements	7,721.10	12,458.00	-4,736.90	61.98%	13,590.00
6906.24 - Compliance - SB88 and SWRCB	3,752.30	7,740.00	-3,987.70	48.48%	8,444.00
6906.26 - 2019 OBMP Update	464,146.12	381,488.00	82,658.12	121.67%	388,896.00
6906.27 - HCP Meetings/Tech. Review-IEUA Cost	0.00	13,869.00	-13,869.00	0.0%	15,130.00
6906.28 - Agriculture Prod. & Estimation	1,730.10	21,285.00	-19,554.90	8.13%	23,220.00
6906.31 - OBMP - Pool, Advisory, Board Mtgs.	85,465.92	94,760.00	-9,294.08	90.19%	103,374.00
6906.32 - OBMP - Other General Meetings	73,027.90	77,782.00	-4,754.10	93.89%	84,853.00
6906.71 - OBMP - Data Requests - CBWM Staff	107,690.75	116,384.00	-8,693.25	92.53%	126,964.00
6906.72 - OBMP - Data Requests - Non CBWM	29,808.49	46,732.00	-16,923.51	63.79%	50,980.00
6906.73 - OBMP - Safe Yield Recalculation	448,122.41	261,557.00	186,565.41	171.33%	276,608.00
6906.74 - OBMP - Mat'l Phy. Injury Requests	11,328.60	68,729.00	-57,400.40	16.48%	74,977.00
6906.81 - Prepare Annual Reports	10,220.20	15,416.00	-5,195.80	66.3%	15,416.00
6906 - OBMP Engineering Services - Other	32,217.48	33,895.00	-1,677.52	95.05%	36,976.00
<b>Total 6906 - OBMP Engineering Services</b>	<b>1,301,439.27</b>	<b>1,222,311.00</b>	<b>79,128.27</b>	<b>106.47%</b>	<b>1,295,638.00</b>
<b>6907 - OBMP Legal Fees</b>					
<b>6907.3 - WM Legal Counsel</b>					
6907.31 - Archibald South Plume	0.00	12,031.00	-12,031.00	0.0%	13,125.00
6907.32 - Chino Airport Plume	0.00	12,031.00	-12,031.00	0.0%	13,125.00
6907.33 - Desalter/Hydraulic Control	89.10	21,656.00	-21,566.90	0.41%	23,625.00
6907.34 - Santa Ana River Water Rights	16,748.55	14,919.00	1,829.55	112.26%	16,275.00
6907.36 - Santa Ana River Habitat	3,048.30	43,404.00	-40,355.70	7.02%	47,350.00
6907.38 - Reg. Water Quality Cntrl Board	712.80	25,254.00	-24,541.20	2.82%	27,550.00
6907.39 - Recharge Master Plan	6,147.93	19,892.00	-13,744.07	30.91%	21,700.00
6907.40 - Storage Agreements	89.10	30,617.00	-30,527.90	0.29%	33,400.00
6907.41 - Prado Basin Habitat Sustainability	3,160.80	14,896.00	-11,735.20	21.22%	16,250.00
6907.42 - Safe Yield Recalculation	0.00	0.00	0.00	0.0%	0.00
6907.44 - SGMA Compliance	1,024.65	9,946.00	-8,921.35	10.3%	10,850.00
6907.45 - OBMP Update	283,530.41	99,183.00	184,347.41	285.87%	108,200.00
6907.46 - Upper SAR Integrated Model	267.30	0.00	267.30	100.0%	0.00
6907.47 - 2020 Safe Yield Reset	143,457.03	99,183.00	44,274.03	144.64%	108,200.00
6907.48 - Ely Basin Investigation	0.00	28,525.00	-28,525.00	0.0%	28,525.00
6907.90 - WM Legal Counsel - Unanticipated	0.00	29,287.00	-29,287.00	0.0%	31,950.00
<b>Total 6907 - WM Legal Counsel</b>	<b>458,275.97</b>	<b>460,824.00</b>	<b>-2,548.03</b>	<b>99.45%</b>	<b>500,125.00</b>
<b>Total 6907 - OBMP Legal Fees</b>	<b>458,275.97</b>	<b>460,824.00</b>	<b>-2,548.03</b>	<b>99.45%</b>	<b>500,125.00</b>
<b>6908 - OBMP Updates</b>					
6908.1 - 2020 OBMP Update-Dodson & Assoc.	188,284.42	225,500.00	-37,215.58	83.5%	225,500.00
<b>Total 6908 - OBMP Updates</b>	<b>188,284.42</b>	<b>225,500.00</b>	<b>-37,215.58</b>	<b>83.5%</b>	<b>225,500.00</b>
<b>6909 - OBMP Other Expenses</b>					
6909.1 - OBMP Meetings	3,192.47	1,375.00	1,817.47	232.18%	1,500.00
6909.3 - Other OBMP Expenses	1,236.00	2,000.00	-764.00	61.8%	2,000.00
6909.6 - OBMP Expenses - Miscellaneous	0.00	5,000.00	-5,000.00	0.0%	5,000.00
6909 - OBMP Other Expenses - Other	0.00	0.00	0.00	0.0%	0.00
<b>Total 6909 - OBMP Other Expenses</b>	<b>4,428.47</b>	<b>8,375.00</b>	<b>-3,946.53</b>	<b>52.88%</b>	<b>8,500.00</b>
<b>Total 6900 - Optimum Basin Mgmt Plan</b>	<b>2,204,841.38</b>	<b>2,060,042.00</b>	<b>144,799.38</b>	<b>107.03%</b>	<b>2,182,515.00</b>

PREVIOUSLY REPORTED ACTIONS (Descending Order)  
None

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

CURRENT MONTH – MAY 2020

As of May 31, 2020, the total (YTD) Engineering Services expenses were \$327,242 or 12.1% below the (YTD) budget amount of \$2,699,693. The OBMP Implementation Projects (consolidated accounts 7100's – 7700's) were all under budget as of May 31, 2020, except for the Hydraulic Control-Laboratory Services expenses (7108.4) which were over budget by \$11,930 or 150.7%; the Recharge and Well-Engineering expenses (7109.3) which were over budget by \$1,021 or 4.2%; the PE4-Engineering expenses (7402) which were over budget by \$4,219 or 4.0%; the PE6&7-Engineering expenses (7502) which were over budget by \$3,069 or 3.6%; and the PE6&7-SAWBMP Task Force-50% IEUA expenses (7511) which were over budget by \$8,992 or 55.1%.

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

The table listed below summarized the Year-To-Date (YTD) Actual Wildermuth Environmental, Inc., (WEI) and other Engineering costs compared to the Year-To-Date (YTD) Budget as of May 31, 2020. 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 '19 - May '20 Actual	Jul '19 - May '20 Budget	\$ Over Budget	% of Budget	FY 2019/20 Annual Budget
6906 - OBMP Engineering Services - Other	32,217.48	33,895.00	-1,677.52	95.05%	36,976.00
6906.1 - OBMP - Watermaster Model Update	1,541.70	4,280.00	-2,738.30	36.02%	4,280.00
6906.15 - Integrated Model Mtgs-IEUA Cost	7,345.15	19,140.00	-11,794.85	38.38%	20,880.00
6906.17 - Planning Study Analysis	5,934.50	10,841.00	-4,906.50	54.74%	11,826.00
6906.18 - Prado Dam FS/EIS/EIR-50% IEUA	0.00	17,013.00	-17,013.00	0.0%	18,560.00
6906.21 - State of the Basin Report	0.00	0.00	0.00	0.0%	0.00
6906.22 - Water Rights Compliance Reporting	11,386.55	18,942.00	-7,555.45	60.11%	20,664.00
6906.23 - SGMA Reporting Requirements	7,721.10	12,458.00	-4,736.90	61.98%	13,590.00
6906.24 - Compliance - SB88 and SWRCB	3,752.30	7,740.00	-3,987.70	48.48%	8,444.00
6906.26 - 2019 OBMP Update	464,146.12	381,488.00	82,658.12	121.67%	388,896.00
6906.27 - HCP Meetings/Technical Review-IEUA Cos	0.00	13,869.00	-13,869.00	0.0%	15,130.00
6906.28 - Agriculture Prod. & Estimation	1,730.10	21,285.00	-19,554.90	8.13%	23,220.00
6906.31 - OBMP - Pool, Advisory, Board Mtgs.	85,465.92	94,760.00	-9,294.08	90.19%	103,374.00
6906.32 - OBMP - Other General Meetings	73,027.90	77,782.00	-4,754.10	93.89%	84,853.00
6906.71 - OBMP - Data Requests - CBWM Staff	107,690.75	116,384.00	-8,693.25	92.53%	126,964.00
6906.72 - OBMP - Data Requests - Non CBWM	29,808.49	46,732.00	-16,923.51	63.79%	50,980.00
6906.73 - OBMP - Safe Yield Recalculation	448,122.41	261,557.00	186,565.41	171.33%	276,608.00
6906.74 - OBMP - Mat'l Physical Injury Requests	11,328.60	68,729.00	-57,400.40	16.48%	74,977.00
6906.76 - County Extraction Well-Modeling	0.00	0.00	0.00	0.0%	0.00
6906.81 - Prepare Annual Reports	10,220.20	15,416.00	-5,195.80	66.3%	15,416.00
6906.90 - OBMP - 2018 RMPU Master Update	0.00	0.00	0.00	0.0%	0.00
7103.3 - Grdwtr Qual-Engineering	186,170.88	199,779.00	-13,608.12	93.19%	217,941.00
7103.5 - Grdwtr Qual-Lab Svcs	60,876.00	66,545.00	-5,669.00	91.48%	69,045.00
7104.3 - Grdwtr Level-Engineering	113,505.44	179,546.00	-66,040.56	63.22%	195,869.00
7104.8 - Grdwtr Level-Contracted Services	0.00	9,167.00	-9,167.00	0.0%	10,000.00
7104.9 - Grdwtr Level-Capital Equipment	4,540.19	7,333.00	-2,792.81	61.91%	8,000.00
7107.2 - Grd Level-Engineering	38,384.20	95,047.00	-56,662.80	40.38%	101,021.00
7107.3 - Grd Level-SAR Imagery	12,000.00	85,000.00	-73,000.00	14.12%	85,000.00
7107.6 - Grd Level-Contract Svcs	91,002.38	117,196.00	-26,193.62	77.65%	126,950.00
7107.8 - Grd Level-Capital Equipment	0.00	11,957.00	-11,957.00	0.0%	13,044.00
7108.31 - Hydraulic Control-PBHSP	62,239.47	67,894.00	-5,654.53	91.67%	74,066.00
7108.4 - Hydraulic Control-Lab Svcs	19,848.00	7,918.00	11,930.00	250.67%	8,638.00
7108.41 - Hydraulic Control-PBHSP	3,362.00	13,774.00	-10,412.00	24.41%	15,026.00
7108.6 - Hydraulic Control-Outside Professionals	24,153.00	28,000.00	-3,847.00	86.26%	28,000.00
7109.3 - Recharge & Well - Engineering	25,275.65	24,255.00	1,020.65	0.0%	25,260.00
7202.2 - Comp Recharge-Engineering Services	12,232.76	43,641.00	-31,408.24	28.03%	47,608.00
7303 - PE3&5-Engineering - Other	7,826.80	9,313.00	-1,486.20	84.04%	10,160.00
7402 - PE4-Engineering	110,002.08	105,783.00	4,219.08	103.99%	111,036.00
7402.10 - PE4-MZ1 Pomona Project	144,103.76	204,261.00	-60,157.24	70.55%	204,261.00
7403 - PE4-Contract Svcs	0.00	0.00	0.00	0.0%	0.00
7502 - PE6&7-Engineering	88,062.00	84,993.00	3,069.00	103.61%	92,720.00
7510 - PE6&7-IEUA Salinity Mgmt. Plan	42,126.79	77,136.00	-35,009.21	54.61%	77,136.00
7511 - PE6&7-SAWBMP Task Force-50% IEUA	25,300.56	16,309.00	8,991.56	155.13%	17,792.00
7512 - PE6&7-Recomputation WQ-50% IEUA	0.00	22,535.00	-22,535.00	0.0%	24,584.00
7602 - PE8&9-Engineering	0.00	0.00	0.00	0.0%	0.00
<b>Total Engineering Services Costs</b>	<b>2,372,451.23</b>	<b>2,699,693.00</b>	<b>-327,241.77</b>	<b>87.88%</b>	<b>2,858,795.00</b> *

\* Wildermuth and Subcontractor Engineering Budget of \$2,545,666 plus Carryover Funds from FY 2018/19 of \$313,129  
Carryover Funds from FY 2018/19 of \$313,129 = \$29,332 (7107.2); \$9,900 (7107.6); \$196,761 (7402.10); and \$77,136 (7510)

PREVIOUSLY REPORTED ACTIONS (Descending Order)

March 2020:

The First Amendment to Task Order No. 1 Under Master Agreement Regarding the Management of Collaborative Projects (Salinity Management) was unanimously approved by the Advisory Committee on March 19, 2020 and approved unanimously by the Board on March 26, 2020. As reported within the Financial Impact section of the Staff Report, "The total increase for Watermaster costs to complete the project is \$97,925. A budget amendment will be required to cover the \$33,776 for the remainder of the FY 19/20 and the remaining project costs of \$59,076 and \$43,186 for contingency and environmental review

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will be budgeted for FY 20/21". Watermaster is not submitting a Budget Amendment Form in the amount of \$33,776 at the present time. Over the next few months, as Watermaster gets closer to the June 30, 2020 fiscal year closing, under budget variances within the Engineering Services budget could allow for a Budget Transfer to fund the shortfall amount of \$33,776 instead of a Budget Amendment. A Budget Transfer reallocates the existing FY 2019/20 approved budget, which does not increase the approved budget amount. A Budget Amendment would reallocate funding from the OBMP Reserve Fund, and does increase the overall FY 2019/20 approved budget.

The Fiscal Year 2020/21 Progress and Estimated Cost at Completion for the Period July 1, 2019 through March 31, 2020 report from Wildermuth Environmental, Inc. is provided. Please access this link:

<https://cbwm.syncedtool.com/shares/file/3ccfdc76efa4d6/?modal=1>

The third quarter ECAC report (for the months July 2019 - March 31, 2020) is listed below:

Attachment 1a  
Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2019/20  
As of March 31, 2020

Acct #	Description	Original Budget	Revised Budget	Billed Jul-19	Billed Aug-19	Billed Sep-19	Billed Oct-19	Billed Nov-19	Billed Dec-19	Billed Jan-20
6906	OBMP Engineering	\$ 575,564	\$ 575,564	\$ 31,137	\$ 27,491	\$ 31,283	\$ 30,883	\$ 36,382	\$ 35,211	\$ 57,631
6906.26	2020 OBMP Update	388,896	388,896	97,717	79,904	36,998	58,850	74,228	52,604	30,555
6906.73	2021 Safe Yield Recalculation	276,608	276,608	53,973	53,420	40,271	29,861	30,125	32,111	40,755
6906.15	IEUA - Integrated Model Meetings and Technical	20,880	20,880	9,514	-	813	-	-	-	-
6907.16	IEUA - CBP Evaluation and Conceptual Design St	-	-	5,789	1,943	11,842	17,476	1,599	8,017	1,705
6906.27	IEUA - HCP Meetings and Technical Review	15,130	15,130	-	-	-	-	-	-	-
6906.18	OCWD and Army Corps of Engineers Prado Dam	18,560	18,560	-	-	-	-	-	-	-
7103.3	GW and SW Quality - Engineering Services	217,941	217,941	19,922	37,873	17,263	17,604	11,204	8,566	20,004
7103.5	GW and SW Quality - Laboratory Services	92,709	92,709	4,532	26,015	26,516	15,784	-	7,810	332
7104.3	GW Level - Engineering Services	195,869	195,869	12,723	4,405	16,462	13,364	10,523	11,799	11,443
7104.8	GW Level - Contract Services	10,000	10,000	38	-	-	-	-	-	-
7104.9	GW Level - Capital Services	8,000	8,000	(7)	-	-	1,020	-	-	-
7107.2	Ground Level - Engineering Services	69,937	69,269	11,421	4,069	2,091	2,790	1,956	2,613	1,594
7107.30	Ground Level - SAR Imagery	86,752	86,752	12,000	-	-	-	-	-	-
7107.6	Ground Level - Contract Services	117,050	126,950	5,175	-	-	-	-	-	-
7107.8	Ground Level - Capital Equipment	13,044	13,044	520	132	89	-	83	85	133
7108.31	IEUA - Prado Basin Habitat Monitoring	74,066	74,066	1,380	1,402	635	1,704	2,060	9,232	21,097
7108.6	IEUA - PBHSP - Outside Pro	28,000	28,000	40,000	-	4,153	-	-	-	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	25,260	25,260	-	3,010	-	-	5,030	-	-
7202.2	Comp Recharge - Engineering Services	47,608	47,608	1,182	388	1,266	1,624	1,036	294	1,011
7206	GRCC & IEUA - SB88 Specification to Ensure Co	-	-	-	-	7,446	95	80	-	59
7303	OBMP - Engineering Services - Desalters	10,160	10,160	-	-	-	-	-	-	-
7402	OBMP - Engineering Services - MZ1	111,036	111,036	20,871	39,892	19,924	3,011	1,205	2,170	3,342
7402.1	OBMP - Engineering Services - Northwest MZ1	7,500	204,261	6,111	15,243	19,947	7,879	17,895	21,601	10,034
7502	OBMP - Engineering Services - WQC	92,720	92,720	-	12,281	38,465	5,595	-	-	-
7510	IEUA - Update Recycled Water Permit - Salinity	-	77,136	3,595	601	4,320	12,634	533	3,878	771
7511	IEUA - As requested services to support Waterma	17,792	17,792	-	1,592	1,178	6,162	6,117	686	4,131
7512	IEUA - Triennial Recomputation of Ambient Water	24,584	24,584	-	-	-	-	-	-	-
<b>Totals</b>		<b>\$ 2,545,666</b>	<b>\$ 2,858,795</b>	<b>\$ 337,571</b>	<b>\$ 309,660</b>	<b>\$ 280,961</b>	<b>\$ 226,338</b>	<b>\$ 200,055</b>	<b>\$ 196,677</b>	<b>\$ 204,596</b>

5/7/2020--9:44 AM  
2019-20CBWM\_Invoice\_Summary\_ISBM\_20200406--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 2019/20  
As of March 31, 2020

Acct #	Description	Billed Feb-20	Billed Mar-20	Projected Apr-20	Projected May-20	Projected Jun-20	Total Projected	Less IEUA and GRCC Portion of Cost Share			
								Total Projected	Under / (Over) Rev. Budget	YTD % Billed Rev. Budget	Projected % Rev. Budget
6906	OBMP Engineering	\$ 37,771	\$ 37,639	\$ 30,721	\$ 49,961	\$ 49,961	\$ 456,071	\$ 456,071	\$ 119,493	57%	79%
6906.26	2020 OBMP Update	11,208	11,948	500	18,750	6,750	480,009	480,009	(91,113)	117%	123%
6906.73	2021 Safe Yield Recalculation	39,967	-	57,286	58,000	-	436,769	436,769	(159,181)	116%	158%
6906.15	IEUA - Integrated Model Meetings and Technical	1,355	-	2,000	2,000	2,000	17,682	8,841	12,039	56%	42%
6907.16	IEUA - CBP Evaluation and Conceptual Design S	8,835	31,624	39,442	39,442	39,442	207,155	-	-	n/a	n/a
6906.27	IEUA - HCP Meetings and Technical Review	-	-	3,362	3,362	3,362	10,086	5,043	10,087	0%	0%
6906.18	OCWD and Army Corps of Engineers Prado Dam	-	-	-	-	-	-	-	18,560	0%	0%
7103.3	GW and SW Quality - Engineering Services	13,447	13,545	14,750	11,298	18,000	203,476	203,476	14,465	73%	93%
7103.5	GW and SW Quality - Laboratory Services	-	-	2,750	-	1,850	85,589	85,589	7,120	87%	92%
7104.3	GW Level - Engineering Services	6,853	10,574	11,784	16,788	25,028	151,743	151,743	44,126	50%	77%
7104.8	GW Level - Contract Services	-	19	-	-	7,000	7,057	7,057	2,943	1%	71%
7104.9	GW Level - Capital Services	-	-	-	16,000	-	17,013	17,013	(9,013)	13%	213%
7107.2	Ground Level - Engineering Services	6,716	5,467	8,325	7,373	31,072	85,487	85,487	13,782	39%	86%
7107.3	Ground Level - SAR Imagery	-	-	74,752	-	-	86,752	86,752	-	14%	100%
7107.6	Ground Level - Contract Services	-	-	100,000	17,050	4,725	126,950	126,950	-	4%	100%
7107.8	Ground Level - Capital Equipment	84	159	1,000	1,000	800	3,886	3,886	9,158	10%	30%
7108.31	IEUA - Prado Basin Habitat Monitoring	16,078	10,497	48,450	26,900	12,850	152,286	76,143	(2,077)	87%	103%
7108.6	IEUA - PBHSP - Outside Pro	-	-	-	-	-	44,153	22,077	5,924	15%	79%
7109.3	Recharge & Well Monitoring - Engineering Serv.	5,312	4,497	5,500	4,000	-	27,349	27,349	(2,089)	71%	108%
7202.2	Comp Recharge - Engineering Services	2,371	1,878	800	2,300	800	14,930	14,930	32,678	23%	31%
7206.1	GRCC & IEUA - SB88 Specification to Ensure Co	1,422	3,924	7,800	21,800	95,945	138,570	-	-	n/a	n/a
7303	OBMP - Engineering Services - Desalters	1,292	4,962	1,000	1,400	1,500	10,155	10,155	6	62%	100%
7402	OBMP - Engineering Services - MZ1	6,266	5,816	2,100	5,815	7,100	119,510	119,510	(8,474)	94%	108%
7402.1	OBMP - Engineering Services - Northwest MZ1	3,793	21,849	17,000	21,000	40,645	202,997	202,997	1,264	61%	96%
7502	OBMP - Engineering Services - WQC	2,443	21,522	7,832	2,500	1,900	92,538	92,538	182	87%	100%
7510	IEUA - Update Recycled Water Permit - Salinity	21,508	14,998	27,724	55,000	124,510	270,073	110,913	(33,776)	81%	144%
7511	As requested services to support Watermaster an	889	1,118	2,500	2,500	1,483	28,355	28,355	(10,563)	123%	159%
7512	IEUA - Triennial Recomputation of Ambient Water	-	-	-	-	-	-	-	24,584	0%	0%
<b>Totals</b>		<b>\$ 189,608</b>	<b>\$ 202,035</b>	<b>\$ 467,378</b>	<b>\$ 384,237</b>	<b>\$ 476,523</b>	<b>\$ 3,475,638</b>	<b>\$ 2,858,650</b>	<b>\$ 145</b>	<b>75%</b>	<b>100%</b>

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

5/7/2020--9:44 AM  
2019-20CBWM\_Invoice\_Summary\_ISBM\_20200406--Projection Summary



December 2019:

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, 2019 and shows a projected under budget at fiscal year-end June 30, 2020 of \$60,446.

The second quarter ECAC report (for the months July 2019 – December 2019) is listed below:

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

Acct #	Description	Original Budget	Revised Budget	Billed Jul-19	Billed Aug-19	Billed Sep-19	Billed Oct-19	Billed Nov-19	Billed Dec-19	Projected Jan-20
6906	OBMP Engineering	\$ 575,564	\$ 575,564	\$ 31,137	\$ 27,491	\$ 31,283	\$ 30,883	\$ 36,382	\$ 35,211	\$ 63,393
6906.26	2020 OBMP Update	388,896	388,896	97,717	79,904	36,998	58,850	74,228	52,604	20,000
6906.73	2021 Safe Yield Recalculation	276,608	276,608	53,973	53,420	40,271	29,861	30,125	32,111	40,000
6906.15	IEUA - Integrated Model Meetings and Technical	20,880	20,880	9,514	-	813	-	-	-	2,000
6907.16	IEUA - CBP Evaluation and Conceptual Design S	-	-	5,789	1,943	11,842	17,476	1,599	8,017	30,000
6906.27	IEUA - HCP Meetings and Technical Review	15,130	15,130	-	-	-	-	-	-	-
6906.18	OCWD and Army Corps of Engineers Prado Dam	18,560	18,560	-	-	-	-	-	-	9,280
7103.3	GW and SW Quality - Engineering Services	217,941	217,941	19,922	37,873	17,283	17,604	11,204	8,566	27,600
7103.5	GW and SW Quality - Laboratory Services	92,709	92,709	4,532	26,015	26,516	15,784	-	7,810	1,634
7104.3	GW Level - Engineering Services	195,869	195,869	12,723	4,405	16,462	13,364	10,523	11,799	14,240
7104.8	GW Level - Contract Services	10,000	10,000	38	-	-	-	-	-	-
7104.9	GW Level - Capital Services	8,000	8,000	(7)	-	-	1,020	-	-	-
7107.2	Ground Level - Engineering Services	69,937	99,269	11,421	4,069	2,091	2,790	1,956	2,613	9,676
7107.30	Ground Level - SAR Imagery	86,752	86,752	12,000	-	-	-	-	-	18,752
7107.6	Ground Level - Contract Services	117,050	126,950	5,175	-	-	-	-	-	7,000
7107.8	Ground Level - Capital Equipment	13,044	13,044	520	132	89	-	83	85	150
7108.31	IEUA - Prado Basin Habitat Monitoring	74,066	74,066	1,380	1,402	635	1,704	2,060	9,232	32,990
7108.6	IEUA - PBHSP - Outside Pro	28,000	28,000	40,000	-	-	-	-	-	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	25,260	25,260	-	3,010	-	-	5,030	-	-
7202.2	Comp Recharge - Engineering Services	47,608	47,608	1,162	386	1,266	1,624	1,036	294	4,879
7206	GRCC & IEUA - SB88 Specification to Ensure Co	-	-	-	-	7,446	95	80	-	21,800
7303	OBMP - Engineering Services - Desalters	10,160	10,160	-	-	-	-	-	-	847
7402	OBMP - Engineering Services - MZ1	111,036	111,036	20,871	39,892	19,924	3,011	1,205	2,170	1,716
7402.1	OBMP - Engineering Services - Northwest MZ1	7,500	204,261	6,111	15,243	19,947	7,879	17,895	21,601	15,800
7502	OBMP - Engineering Services - WQC	92,720	92,720	-	12,281	38,465	5,595	-	-	-
7510	IEUA - Update Recycled Water Permit - Salinity	-	77,136	3,595	601	4,320	12,634	533	3,878	34,500
7511	IEUA - As requested services to support Waterma	17,792	17,792	-	1,592	1,178	6,162	6,117	686	3,500
7512	IEUA - Triennial Recomputation of Ambient Water	24,584	24,584	-	-	-	-	-	-	-
<b>Totals</b>		<b>\$ 2,545,666</b>	<b>\$ 2,858,795</b>	<b>\$ 337,571</b>	<b>\$ 309,660</b>	<b>\$ 276,808</b>	<b>\$ 226,338</b>	<b>\$ 200,055</b>	<b>\$ 196,677</b>	<b>\$ 359,756</b>

1/21/2020--9:32 AM  
2019-20CBWM\_Invoice\_Summary\_ISBM\_20200106--Projection Summary



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

Acct #	Description	Projected Feb-20	Projected Mar-20	Projected Apr-20	Projected May-20	Projected Jun-20	Total Projected	Less IEUA and GRCC Portion of Cost Share			
								Total Projected	Under / (Over) Rev. Budget	YTD % Billed Rev. Budget	Projected % Rev. Budget
6906	OBMP Engineering	\$ 49,747	\$ 56,547	\$ 55,857	\$ 52,357	\$ 40,746	\$ 511,032	\$ 511,032	\$ 64,532	33%	89%
6906.26	2020 OBMP Update	20,000	20,000	2,000	2,000	2,000	466,301	466,301	(77,405)	103%	120%
6906.73	2021 Safe Yield Recalculation	20,000	12,000	-	-	-	311,761	311,761	(35,153)	87%	113%
6906.15	IEUA - Integrated Model Meetings and Technical	2,000	2,000	2,000	2,000	2,000	22,327	11,164	9,716	49%	53%
6907.16	IEUA - CBP Evaluation and Conceptual Design S	30,000	25,000	5,000	5,000	5,000	146,666	-	-	n/a	n/a
6906.27	IEUA - HCP Meetings and Technical Review	3,362	3,362	3,362	3,362	3,362	16,810	8,405	6,725	0%	56%
6906.18	OCWD and Army Corps of Engineers Prado Dam	9,280	4,640	-	-	-	23,200	11,600	6,960	0%	63%
7103.3	GW and SW Quality - Engineering Services	21,210	16,930	11,080	4,308	16,034	209,594	209,594	8,347	52%	96%
7103.5	GW and SW Quality - Laboratory Services	-	2,550	3,600	-	1,050	89,491	89,491	3,218	87%	97%
7104.3	GW Level - Engineering Services	12,600	21,800	11,784	13,828	23,628	167,154	167,154	28,715	35%	85%
7104.8	GW Level - Contract Services	5,000	5,000	-	-	-	10,038	10,038	(38)	0%	100%
7104.9	GW Level - Capital Services	-	-	-	12,000	-	13,013	13,013	(5,013)	13%	163%
7107.2	Ground Level - Engineering Services	10,676	12,362	12,063	6,528	11,191	87,436	87,436	11,833	25%	88%
7107.3	Ground Level - SAR Imagery	-	56,000	-	-	-	86,752	86,752	-	14%	100%
7107.6	Ground Level - Contract Services	20,050	29,725	25,000	15,000	25,000	126,950	126,950	-	4%	100%
7107.8	Ground Level - Capital Equipment	1,000	600	150	1,000	600	4,409	4,409	8,635	7%	34%
7108.31	IEUA - Prado Basin Habitat Monitoring	35,540	30,618	20,794	7,790	4,266	148,411	74,206	(140)	22%	100%
7108.6	IEUA - PBHSP - Outside Pro	10,000	-	-	-	-	50,000	25,000	3,000	143%	89%
7109.3	Recharge & Well Monitoring - Engineering Serv.	5,000	-	7,000	3,400	-	23,440	23,440	1,820	32%	93%
7202.2	Comp Recharge - Engineering Services	4,879	2,248	4,879	4,879	2,248	29,780	29,780	17,828	12%	63%
7206.1	GRCC & IEUA - SB88 Specification to Ensure Co	21,800	21,800	21,800	21,800	21,800	138,421	-	-	n/a	n/a
7303	OBMP - Engineering Services - Desalters	847	847	847	847	847	5,082	5,082	5,078	0%	50%
7402	OBMP - Engineering Services - MZ1	7,000	8,000	4,533	5,000	6,000	119,321	119,321	(8,285)	78%	107%
7402.1	OBMP - Engineering Services - Northwest MZ1	18,000	33,426	17,500	15,826	15,032	204,260	204,260	1	43%	100%
7502	OBMP - Engineering Services - WQC	12,000	19,500	7,000	-	-	94,841	94,841	(2,121)	61%	102%
7510	IEUA - Update Recycled Water Permit - Salinity	34,500	34,500	34,500	34,500	35,684	233,746	77,136	-	33%	100%
7511	As requested services to support Watermaster an	3,500	3,000	1,483	1,483	1,483	30,183	30,183	(12,391)	88%	170%
7512	IEUA - Triennial Recomputation of Ambient Water	-	-	-	-	-	-	-	24,584	0%	0%
<b>Totals</b>		<b>\$ 357,990</b>	<b>\$ 422,454</b>	<b>\$ 252,231</b>	<b>\$ 212,907</b>	<b>\$ 217,971</b>	<b>\$ 3,370,420</b>	<b>\$ 2,798,349</b>	<b>\$ 60,446</b>	<b>54%</b>	<b>98%</b>

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

1/21/2020--9:32 AM  
2019-20CBWM\_Invoice\_Summary\_ISBM\_20200106--Projection Summary



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

The Fiscal Year 2019/20 Progress and Estimated Cost at Completion for the Period July 1, 2019 through December 31, 2019 report from Wildermuth Environmental, Inc. is provided. Please access this link:

<https://cbwm.syncedtool.com/shares/file/d7d10355a19e82/?modal=1>

The third quarter ECAC report is scheduled to be issued early May 2020 for the period July 1, 2019 through March 31, 2020.

September 2019:

The first ECAC report for the current fiscal year has been provided for the period ending September 30, 2019 and shows a projected under budget at fiscal year-end June 30, 2020 of \$48,429.

The first quarter ECAC report (for the months July 2019 – September 2019) is listed below:

Attachment 1a  
Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2018/19  
As of September 30, 2019

Acct #	Description	Original Budget	Revised Budget	Billed Jul-19	Billed Aug-19	Billed Sep-19	Projected Oct-19	Projected Nov-19	Projected Dec-19	Projected Jan-20
6906	OBMP Engineering	\$ 575,564	\$ 575,564	\$ 31,137	\$ 27,491	\$ 31,283	\$ 45,199	\$ 64,356	\$ 49,407	\$ 64,277
6906.26	2020 OBMP Update	388,896	388,896	97,717	79,904	36,998	46,500	81,500	46,500	12,000
6906.73	2021 Safe Yield Recalculation	276,608	276,608	53,973	53,420	40,271	30,000	30,000	40,000	40,000
6906.15	IEUA - Integrated Model Meetings and Technical	20,880	20,880	9,514	-	813	2,000	2,000	2,000	2,000
6907.16	IEUA - CBP Evaluation and Conceptual Design S	-	-	5,789	1,943	11,842	5,000	5,000	5,000	30,000
6906.27	IEUA - HCP Meetings and Technical Review	15,130	15,130	-	-	-	3,362	3,362	3,362	3,362
6906.18	OCWD and Army Corps of Engineers Prado Dam	18,560	18,560	-	-	-	-	9,280	4,640	9,280
7103.3	GW and SW Quality - Engineering Services	217,941	217,941	19,922	37,873	17,263	16,670	18,010	18,530	11,700
7103.5	GW and SW Quality - Laboratory Services	92,709	92,709	4,532	11,424	24,971	34,393	9,900	1,050	1,634
7104.3	GW Level - Engineering Services	195,869	195,869	12,723	4,405	16,462	14,500	14,200	22,160	13,275
7104.8	GW Level - Contract Services	10,000	10,000	38	-	-	-	-	-	-
7104.9	GW Level - Capital Services	8,000	8,000	(7)	-	-	-	-	-	2,000
7107.2	Ground Level - Engineering Services	69,937	99,269	11,421	4,069	2,091	4,300	4,500	5,000	9,476
7107.30	Ground Level - SAR Imagery	86,752	86,752	12,000	-	-	-	-	-	18,752
7107.6	Ground Level - Contract Services	117,050	126,950	5,175	-	-	-	-	-	7,000
7107.8	Ground Level - Capital Equipment	13,044	13,044	520	132	89	150	1,000	600	150
7108.31	IEUA - Prado Basin Habitat Monitoring	74,066	74,066	1,380	1,402	635	1,640	7,000	26,800	23,690
7108.6	IEUA - PBHSP - Outside Pro	28,000	28,000	40,000	-	-	-	10,000	-	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	25,260	25,260	-	3,010	-	-	4,000	-	-
7202.2	Comp Recharge - Engineering Services	47,608	47,608	1,162	386	1,266	4,879	4,879	2,248	4,879
7206	GRCC & IEUA - SB88 Specification to Ensure Co	-	-	-	-	7,446	14,569	14,569	14,569	14,569
7303	OBMP - Engineering Services - Desalters	10,160	10,160	-	-	-	-	847	847	847
7402	OBMP - Engineering Services - MZ1	111,036	111,036	20,871	39,892	19,924	2,000	1,000	1,000	2,000
7402.1	OBMP - Engineering Services - Northwest MZ1	7,500	204,261	6,111	15,243	19,947	5,500	21,500	20,500	17,000
7502	OBMP - Engineering Services - WQC	92,720	92,720	-	12,281	38,465	5,600	-	-	2,700
7510	IEUA - Update Recycled Water Permit - Salinity	-	77,136	3,595	601	4,320	25,025	25,025	25,025	25,025
7511	IEUA - As requested services to support Waterma	17,792	17,792	-	1,592	1,178	3,500	4,500	2,000	3,500
7512	IEUA - Triennial Recomputation of Ambient Water	24,584	24,584	-	-	-	-	-	-	-
<b>Totals</b>		<b>\$ 2,545,666</b>	<b>\$ 2,858,795</b>	<b>\$ 337,571</b>	<b>\$ 295,069</b>	<b>\$ 275,263</b>	<b>\$ 264,786</b>	<b>\$ 336,427</b>	<b>\$ 291,237</b>	<b>\$ 319,115</b>

11/5/2019--7:43 AM  
2019-20CBWM\_Invoice\_Summary\_ISBM\_1st Qtr ECAC--Projection Summary



Attachment 1a  
Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2018/19  
As of September 30, 2019

Acct #	Description	Projected Feb-20	Projected Mar-20	Projected Apr-20	Projected May-20	Projected Jun-20	Total Projected	Less IEUA and GRCC Portion of Cost Share			
								Total Projected	Under / (Over) Rev. Budget	YTD % Billed Rev. Budget	Projected % Rev. Budget
6906	OBMP Engineering	\$ 59,657	\$ 55,281	\$ 47,667	\$ 40,747	\$ 40,746	\$ 557,244	\$ 557,244	\$ 18,320	16%	97%
6906.26	2020 OBMP Update	4,500	1,500	1,500	1,500	1,500	411,619	411,619	(22,723)	55%	106%
6906.73	2021 Safe Yield Recalculation	5,000	20,000	-	-	-	312,664	312,664	(36,056)	53%	113%
6906.15	IEUA - Integrated Model Meetings and Technical	2,000	2,000	2,000	2,000	2,000	28,327	14,164	6,716	25%	68%
6907.16	IEUA - CBP Evaluation and Conceptual Design S	30,000	25,000	5,000	5,000	5,000	134,574	-	-	n/a	n/a
6906.27	IEUA - HCP Meetings and Technical Review	3,362	3,362	3,362	3,362	3,362	30,258	15,129	-	0%	100%
6906.18	OCWD and Army Corps of Engineers Prado Dam	9,280	4,640	-	-	-	37,120	18,560	-	0%	100%
7103.3	GW and SW Quality - Engineering Services	20,360	15,430	9,080	4,308	15,914	205,059	205,059	12,882	34%	94%
7103.5	GW and SW Quality - Laboratory Services	-	1,050	1,700	-	1,050	91,704	91,704	1,005	44%	99%
7104.3	GW Level - Engineering Services	14,300	20,250	10,834	12,812	22,431	178,352	178,352	17,517	17%	91%
7104.8	GW Level - Contract Services	-	-	-	8,000	-	8,038	8,038	1,962	0%	80%
7104.9	GW Level - Capital Services	-	-	-	11,000	-	12,993	12,993	(4,993)	0%	162%
7107.2	Ground Level - Engineering Services	9,676	12,362	12,199	6,528	9,410	91,032	91,032	8,237	18%	92%
7107.3	Ground Level - SAR Imagery	-	56,000	-	-	-	86,752	86,752	-	14%	100%
7107.6	Ground Level - Contract Services	20,050	29,725	25,000	15,000	25,000	126,950	126,950	-	4%	100%
7107.8	Ground Level - Capital Equipment	1,000	600	150	1,000	600	5,991	5,991	7,053	6%	46%
7108.31	IEUA - Prado Basin Habitat Monitoring	33,090	27,618	18,794	5,790	3,266	151,104	75,552	(1,486)	2%	102%
7108.6	IEUA - PBHSP - Outside Pro	-	-	-	-	-	50,000	25,000	3,000	71%	89%
7109.3	Recharge & Well Monitoring - Engineering Serv.	4,000	-	7,000	3,400	-	21,410	21,410	3,850	12%	85%
7202.2	Comp Recharge - Engineering Services	4,879	2,248	4,879	4,879	2,248	38,831	38,831	6,777	6%	82%
7206	GRCC & IEUA - SB88 Specification to Ensure Co	14,569	14,569	14,569	14,569	14,569	138,567	-	-	n/a	n/a
7303	OBMP - Engineering Services - Desalters	847	847	847	847	847	6,776	6,776	3,384	0%	67%
7402	OBMP - Engineering Services - MZ1	9,000	7,000	2,533	4,000	5,000	114,219	114,219	(3,183)	73%	103%
7402.1	OBMP - Engineering Services - Northwest MZ1	31,500	26,500	21,000	16,000	3,458	204,260	204,260	1	20%	100%
7502	OBMP - Engineering Services - WQC	12,000	18,000	7,500	-	-	96,546	96,546	(3,826)	55%	104%
7510	IEUA - Update Recycled Water Permit - Salinity	25,025	25,025	25,025	25,025	25,029	233,746	77,136	-	6%	100%
7511	IEUA - As requested services to support Waterm	3,500	3,000	2,000	2,000	2,000	28,770	14,385	3,407	8%	81%
7512	IEUA - Triennial Recomputation of Ambient Water	-	-	-	-	-	-	-	24,584	0%	0%
<b>Totals</b>		<b>\$ 317,594</b>	<b>\$ 372,006</b>	<b>\$ 222,638</b>	<b>\$ 187,766</b>	<b>\$ 183,430</b>	<b>\$ 3,402,906</b>	<b>\$ 2,810,366</b>	<b>\$ 48,429</b>	<b>30%</b>	<b>98%</b>

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

11/5/2019--7:43 AM  
2019-20CBWM\_Invoice\_Summary\_ISBM\_1st Qtr ECAC--Projection Summary



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

The Fiscal Year 2019/20 Progress and Estimated Cost at Completion for the Period July 1, 2019 through September 30, 2019 report from Wildermuth Environmental, Inc. is provided. Please access this link:

<https://cbwm.syncedtool.com/shares/file/4fb416a3c5c150/?modal=1>

August 2019:

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 first quarter ECAC report (for the months July 2019 - September 2019) is scheduled to be produced by Wildermuth Environmental, Inc. and distributed to Watermaster during the month of October 2019.

July 2019:

The breakdown of the total Task Order amount of \$2,545,666 for the FY 2019/20 Engineering Services includes direct labor costs for Wildermuth Environmental, Inc. (84.2%) at \$2,144,059 along with other direct charges such as equipment rental, laboratory fees, travel costs, reproduction costs, and outside professional services (15.8%) at \$401,607.

The approved "Original" Engineering Services budget of \$2,545,666 was increased by "Carry Over" funding in the amount of \$313,129 to the "Amended" amount of \$2,858,795 for FY 2019/20 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 2019/20 timeframe or future years. The Carry-Over amount of \$313,129 from FY 2018/19 to the FY 2019/20 budget are provided in detail as follows:

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1. 7107.2 Ground-Level - Engineering Services of \$29,332. Wildermuth Environmental, Inc. requested this carryover to support the logistics, data collection, and analysis of the City of Chino Hills long-term pumping and injection tests. This work was delayed based on the City of Chino Hills schedule to conduct the long-term pumping and injection tests in FY 2019/20.
2. 7107.6 Ground-Level - Contract Services of \$9,900. Wildermuth Environmental, Inc. requested this carryover amount for surveying services associated with the long-term pumping test mentioned in item 1 above.
3. 7402.1 OBMP Engineering Services Northwest MZ-1 for \$196,761. Wildermuth Environmental, Inc. requested this carryover budget to support the continued processing and analysis of the spring 2019 ground level surveys. The analysis of the survey data was delayed because the spring 2019 survey data collected by the new surveyor (Guida Surveying, Inc.) needed to be reviewed by the former surveyor (WSP USA) and WEI to ensure consistent data reporting results between the new and former surveyors.
4. 7510 IEUA - Update Recycled Water Permit-Salinity for \$77,136. Wildermuth Environmental, Inc. requested this carryover budget to finalize the 2.5-year project to Updated Recycled Water Permit with IEUA. This work is being cost shared with IEUA and was originally scoped to be finished in FY 2019/20. However, Watermaster assessed their entire share of the budget in FY 2017/18 and FY 2018/19.

#### 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.

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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. 2019 - May 2020	\$ 124,478.95	\$ (62,239.48)	\$ -	\$ 62,239.48
<b>Totals</b>	<b>\$ 124,478.95</b>	<b>\$ (62,239.48)</b>	<b>\$ -</b>	<b>\$ 62,239.48</b>
	7108.31	7108.31	7108.31	
<b>Maximum Costs</b>	<b>\$ 204,132.00</b>	<b>\$ 102,066.00</b>	<b>\$ 102,066.00</b>	<b>\$ 102,066.00</b>

PREVIOUSLY REPORTED ACTIONS (Descending Order)  
None:

OTHER INCOME AND EXPENSE

On May 14, 2020, the Appropriative Pool (in closed session) took action to increase their legal services budget (account 8367) for FY 2019/20 from \$130,000 to \$200,000, an increase of \$70,000. The Special Assessment invoices totaling \$70,000 were generated on May 20, 2020 with the due date of June 22, 2020. As a result of the action taken by the Appropriative Pool, the revenue and expenses were increased equally by \$70,000 for FY 2019/20.

There were no other significant items to report within the category of Other Income and Expenses for the month ending May 31, 2020.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

July 2019:

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 2019/20 annual administrative fee

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invoice was issued on July 9, 2019 in the amount of \$171,905.17 under invoice number 2019-07-CUP. Payment in the amount of \$171,905.17 was received and deposited on August 22, 2019.

“CARRY OVER” FUNDING  
BACKGROUND OF “CARRY OVER” FUNDING

CURRENT MONTH – MAY 2020

As of May 31, 2020, the total (YTD) amount remaining of the “Carried Over” funding is \$2,051,988.94 (\$2,312,460.70 - \$260,471.76 = \$2,051,988.94).

The following details are provided:

"Carried Over" Expenses At June 30, 2019

			GL Account		
Blomquist Report - Update	\$ 7,500.00	A	6061.6	FY 2017/18	ADMIN
Meter Installation - New Meter Installation	\$ 175,400.00	B	7102.65	FY 2018/19	OBMP
Meter Installation - Calibration and Testing	\$ 181,650.00	C	7102.8	FY 2018/19	OBMP
Ground Level - Engineering Services	\$ 29,332.00	D	7107.2 <sup>2</sup>	FY 2018/19	ENG
Ground Level - Contract Services	\$ 9,900.00	E	7107.6 <sup>3</sup>	FY 2018/19	ENG
PE4 - Northwest MZ-1 Area Project	\$ 196,761.00	F	7402.1 <sup>4</sup>	FY 2018/19	ENG
IEUA - Update Recycle Water Permit - Salinity	\$ 77,136.00	G	7510 <sup>5</sup>	FY 2018/19	ENG
RMPU Amendment (TO #1)	\$ 56,794.57	H	7690.15	FY 2016/17	PROJ
East Declez Basin (TO #1)	\$ 1,171.33	I	7690.16 <sup>1</sup>	FY 2016/17	PROJ
GWR SCADA Upgrades (TO #4)	\$ 7,025.00	J	7690.61	FY 2014/15	PROJ
GWR SCADA Upgrades (TO #4)	\$ 38,675.00	J	7690.61	FY 2015/16	PROJ
Upper Santa Ana River HCP (TO #7)	\$ 15,062.88	K	7690.7	FY 2014/15	PROJ
Upper Santa Ana River HCP (TO #7)	\$ 5,000.00	K	7690.7	FY 2015/16	PROJ
Lower Day Basin RMPU (TO #2)	\$ 238,646.90	L	7690.8	FY 2016/17	PROJ
Funds on Hold for Projects	\$ 1,272,406.02	M	7690.9	FY 2017/18	PROJ
<b>Total Balance, June 30, 2019</b>	<b>\$ 2,312,460.70</b>				

"Carried Over" Balance, July 1, 2019	\$					2,312,460.70
Less: (Invoices Received To Date FY 2019/20)						
Blomquist Report - Update	\$	-	A	6061.6	FY 2017/18	ADMIN
Meter Installation - New Meter Installation	\$	-	B	7102.65	FY 2018/19	OBMP
Meter Installation - Calibration and Testing	\$	-	C	7102.8	FY 2018/19	OBMP
Ground Level - Engineering Services	\$	(29,332.00)	D	7107.2 <sup>2</sup>	FY 2018/19	ENG
Ground Level - Contract Services	\$	(9,900.00)	E	7107.6 <sup>3</sup>	FY 2018/19	ENG
PE4 - Northwest MZ-1 Area Project	\$	(144,103.76)	F	7402.1 <sup>4</sup>	FY 2018/19	ENG
IEUA - Update Recycle Water Permit - Salinity	\$	(77,136.00)	G	7510 <sup>5</sup>	FY 2018/19	ENG
RMPU Amendment (TO #1)	\$	-	H	7690.15	FY 2016/17	PROJ
East Declez Basin (TO #1)	\$	-	I	7690.16 <sup>1</sup>	FY 2016/17	PROJ
GWR SCADA Upgrades (TO #4)	\$	-	J	7690.61	FY 2014/15	PROJ
GWR SCADA Upgrades (TO #4)	\$	-	J	7690.61	FY 2015/16	PROJ
Upper Santa Ana River HCP (TO #7)	\$	-	K	7690.7	FY 2014/15	PROJ
Upper Santa Ana River HCP (TO #7)	\$	-	K	7690.7	FY 2015/16	PROJ
Lower Day Basin RMPU (TO #2)	\$	-	L	7690.8	FY 2016/17	PROJ
Funds on Hold for Projects	\$	-	M	7690.9	FY 2017/18	PROJ
<b>Updated Balance as of May 31, 2020</b>	<b>\$</b>	<b>2,051,988.94</b>				

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

<sup>2</sup> Engineering work not completed in FY 2018/19 to perform ground level surveys for the long-term pumping test.

<sup>3</sup> Outside professionals work not completed in FY 2018/19 to perform ground level surveys for the long-term pumping test.

<sup>4</sup> Work not completed in FY 2018/19 for installation of the Pomona extensometer and monitoring program for the Northwest MZ-1 area.

<sup>5</sup> Watermaster's portion of the unused FY 2018/19 budget to finalize the 2.5 year project to Update Recycled Water Permit with IEUA.

Updated Balance as of May 31, 2020

Blomquist Report - Update	\$	7,500.00	A	6061.6	FY 2017/18	ADMIN
Meter Installation - New Meter Installation	\$	175,400.00	B	7102.65	FY 2018/19	OBMP
Meter Installation - Calibration and Testing	\$	181,650.00	C	7102.8	FY 2018/19	OBMP
Ground Level - Engineering Services	\$	-	D	7107.2 <sup>2</sup>	FY 2018/19	ENG
Ground Level - Contract Services	\$	-	E	7107.6 <sup>3</sup>	FY 2018/19	ENG
PE4 - Northwest MZ-1 Area Project	\$	52,657.24	F	7402.1 <sup>4</sup>	FY 2018/19	ENG
IEUA - Update Recycle Water Permit - Salinity	\$	-	G	7510 <sup>5</sup>	FY 2018/19	ENG
RMPU Amendment (TO #1)	\$	56,794.57	H	7690.15	FY 2016/17	PROJ
East Declez Basin (TO #1)	\$	1,171.33	I	7690.16 <sup>1</sup>	FY 2016/17	PROJ
GWR SCADA Upgrades (TO #4)	\$	7,025.00	J	7690.61	FY 2014/15	PROJ
GWR SCADA Upgrades (TO #4)	\$	38,675.00	J	7690.61	FY 2015/16	PROJ
Upper Santa Ana River HCP (TO #7)	\$	15,062.88	K	7690.7	FY 2014/15	PROJ
Upper Santa Ana River HCP (TO #7)	\$	5,000.00	K	7690.7	FY 2015/16	PROJ
Lower Day Basin RMPU (TO #2)	\$	238,646.90	L	7690.8	FY 2016/17	PROJ
Funds on Hold for Projects	\$	1,272,406.02	M	7690.9	FY 2017/18	PROJ
<b>Updated Balance as of May 31, 2020</b>	<b>\$</b>	<b>2,051,988.94</b>				

**ADMINISTRATION SERVICES:**

Unspent funds related to ongoing projects and associated activities from the Administration Services budget from FY 2018/19 totaling \$7,500.00 were "Carried Over" into the current FY 2019/20 budget. These funds were from the Blomquist Report-Update [A] in the amount of \$7,500 in account (6061.6).

**OBMP ACTIVITIES:**

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Unspent funds related to ongoing projects and associated activities from the Agricultural area metering installation efforts budget from FY 2018/19 in several accounts totaling \$357,050 were "Carried Over" into the current FY 2019/20 budget. These funds were from the Meter Installation - New Meter Installation [B] in the amount of \$175,400 in account (7102.65); and Meter Installation - Calibration and Testing [C] in the amount of \$181,650 in account (7102.8). The total amount available is \$357,050 (\$175,400 + \$181,650 = \$357,050).

#### ENGINEERING SERVICES:

Unspent funds related to ongoing projects and associated activities from the Engineering Services budget from FY 2018/19 in several accounts totaling \$313,129 were "Carried Over" into the current FY 2019/20 budget. These funds were from the Ground Level - Engineering Services [D] in the amount of \$29,332 in account (7107.2); Ground Level - Contract Services [E] in the amount of \$9,900 in account (7107.6); PE4 - Northwest MZ-1 Area Project [F] in the amount of \$196,761 in account (7402.1); and PE6&7 - IEUA Salinity Management Plan [G] in the amount of \$77,136 in account (7510). The total amount available is \$313,129 (\$29,332 + \$9,900 + \$196,761 + \$77,136 = \$313,129).

#### COMPLETED PROJECTS WITH FUNDING AVAILABLE:

Several projects were completed during FY 2018/19 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: East Declez Basin [I] in the amount of \$1,171.33 (account 7690.16); and GWR SCADA Upgrades (TO#4) [J] in the amount of \$45,700.00 (account 7690.61). The total amount available is \$46,871.33 (\$1,171.33 + \$45,700.00 = \$46,871.33).

#### ONGOING RECHARGE IMPROVEMENT PROJECTS:

The RMPU Amendment-Task Order #1 [H] has a remaining budget from FY 2016/17 of \$56,794.57 in account (7690.15); the Upper Santa Ana River HCP-Task Order #7 [K] has a remaining funded balance of \$20,062.88 in account (7690.7); and the Lower Day Basin RMPU-Task Order #2 [L] has a remaining funded budget balance of \$238,646.90 in account (7690.8). The total funded budget for these combined projects is \$315,504.35 (\$56,794.57 + \$20,062.88 + \$238,646.90 = \$315,504.35).

#### FUNDS ON HOLD FOR PROJECTS:

The "Funds on Hold for Projects" [M] has a remaining budget from FY 2017/18 of \$1,272,406.02 in account (7690.9). These funds can only be allocated from the account if a Budget Transfer document is presented to the Pools, Advisory, and Board for approval and adoption.

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 June 30, 2020, any remaining balances of the FY 2018/19 and prior years funding (if any), along with any new FY 2019/20 expenses, will then be "Carried Over" into the FY 2020/21 budget.

#### PREVIOUSLY REPORTED ACTIONS (Descending Order)

##### July 2019:

Once the FY 2018/19 period as of June 30, 2019 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 2019/20 budget. The Total "Carry Over" funding amount of \$2,312,460.70 was posted to the accounts as of July 1, 2019. The total amount of \$2,312,460.70 consisted of \$1,634,781.70 from Capital Improvement Projects, \$357,050.00 from OBMP Activities, \$313,129.00 from Engineering Services, and \$7,500.00 from Administration Services (\$1,634,781.70 + \$357,050.00 + \$313,129.00 + \$7,500.00 = \$2,312,460.70).

#### AUDIT FIELD WORK

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CURRENT MONTH – MAY 2020

The auditors from the audit firm of Fedak & Brown LLP conducted the interim field work on May 26, 2020 through May 27, 2020. Due to the COVID-19 quarantine, the auditors did not come to the Watermaster office. Instead, all of the audit schedules, accounts payable selections, accounts receivable selections, bank reconciliations, payroll and timesheet selections, and any other reports and information were provided to the auditors electronically via Dropbox software. This was the start of the interim field work for the period of July 1, 2019 through March 31, 2020. The final field work for the period of April 1, 2020 through June 30, 2020 has been tentatively scheduled for September 2020.

The Annual Financial and Audit Reports are tentatively scheduled for presentation to the Watermaster Board by Fedak & Brown LLP at the October 22, 2020 Board meeting. The Annual Financial and Audit Reports for FY 2019/20 are tentatively scheduled for posting to the Watermaster website no later than October 31, 2020.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

April 2020:  
FY 2019/20

The auditors from the audit firm of Fedak & Brown LLP are scheduled to begin the interim field work on May 26, 2020 through May 27, 2020. Due to the COVID-19 quarantine, the auditors will not be coming to the Watermaster office. Instead, all of the audit schedules, accounts payable selections, accounts receivable selections, bank reconciliations, payroll and timesheet selections, and any other reports and information will be provided to the auditors electronically via Dropbox software. This will be the start of the interim field work for the period of July 1, 2019 through March 31, 2020. The final field work for the period of April 1, 2020 through June 30, 2020 has been tentatively scheduled for September 2020.

The Annual Financial and Audit Reports are tentatively scheduled for presentation to the Watermaster Board by Fedak & Brown LLP at the October 22, 2020 Board meeting. The Annual Financial and Audit Reports for FY 2019/20 are tentatively scheduled for posting to the Watermaster website no later than October 31, 2020.

November 2019:  
FY 2018/19

The final field work for the period of April 1, 2019 through June 30, 2019 was completed on September 4, 2019. The Annual Financial and Audit Reports were presented 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 were posted to the Watermaster website on October 25, 2019.

August 2019:  
FY 2018/19

The final field work for the period of April 1, 2019 through June 30, 2019 was completed on September 4, 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.

July 2019:  
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 March 31, 2019. The final field work for the period of April 1, 2019 through June 30, 2019 has been scheduled for September 3, 2019 and September 4, 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.

FY 2019/20 EXHIBIT "G" NON-AGRICULTURAL POOL SALE OF WATER

CURRENT MONTH – MAY 2020

Only one Appropriator, Niagara Bottling, LLC, submitted their Intent to Purchase form. On March 26, 2020, an invoice in the amount of \$675,000.00 was issued to Niagara Bottling, LLC for the entire amount of 1,000 acre-feet available for purchase. On June 12, 2020, payment from Niagara Bottling, LLC to Watermaster was received. Several days later, Watermaster issued payment to California Speedway Corporation in the amount of \$675,000.00. The check to Auto Club Speedway cleared the Watermaster bank account on June 22, 2020. Watermaster considers the Exhibit "G" Transfers for FY 2019/20 completed.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

April 2020:

Only one Appropriator, Niagara Bottling, LLC, submitted their Intent to Purchase form. On March 26, 2020, an invoice in the amount of \$675,000.00 was issued to Niagara Bottling, LLC for the entire amount of 1,000 acre-feet available for purchase. Payment from Niagara Bottling, LLC to Watermaster is due on or before June 30, 2020. Upon receipt of payment from Niagara Bottling, LLC, and once the payment has cleared the bank, Watermaster will issue payment to California Speedway Corporation in the amount of \$675,000.00.

January 2020:

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 December 10, 2019, California Speedway Corporation notified Watermaster of the availability of 1,000 acre-feet of water for purchase. The ONAP amended its Pooling Plan which was subsequently court-approved on March 15, 2019, allowing them to set the transfer rate. At its regular meeting on November 14, 2019, the ONAP set a price of \$675.00 per acre-foot for the current fiscal year's transfers.

Watermaster is required to provide a Notice of Availability of each Appropriator's pro-rata share of such water by January 31<sup>st</sup> of each year. The Notice of Availability was issued on January 28, 2020 which included the Potential Allocation Table allocating the amount of water available to each Appropriator, should each Appropriator wish to purchase its share of the water. Appropriators had until March 2, 2020 (since March 1, 2020 fell on a Sunday this year) to submit their Intent to Purchase forms to notify Watermaster if they were each interested in purchasing their allocation of the water. The Intent to Purchase forms could be returned to Watermaster via email or by U.S. mail.

Only one Appropriator, Niagara Bottling, LLC, submitted their Intent to Purchase form. On or before March 31, 2020, an invoice in the amount of \$675,000.00 will be issued to Niagara Bottling, LLC for the entire amount of 1,000 acre-feet available for purchase. Payment from Niagara Bottling, LLC to Watermaster will be due on or before June 30, 2020. Upon receipt of payment from Niagara Bottling, LLC, and once the payment has cleared the bank, Watermaster will issue payment to California Speedway Corporation in the amount of \$675,000.00.

ASSESSMENT INVOICING

CURRENT MONTH – MAY 2020

On May 14, 2020, the Appropriative Pool (in closed session) took action to increase their legal services budget (account 8367) for FY 2019/20 from \$130,000 to \$200,000, an increase of \$70,000. The Special

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Assessment invoices totaling \$70,000 were generated on May 20, 2020 with the due date of June 22, 2020. As a result of the action taken by the Appropriative Pool, the revenue and expenses were increased equally by \$70,000 for FY 2019/20.

FY 2019/20 Assessment Package:

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

PREVIOUSLY REPORTED ACTIONS (Descending Order)

December 2019:

The FY 2019/20 Assessment Package was approved by the Advisory Committee and adopted by the Board on Thursday, November 21, 2019. The Assessment invoices were issued by Watermaster on Thursday, November 21, 2019 with payment due 30-days after invoice date. Payments were due to Watermaster on Monday, December 23, 2019. As past practice, payment could 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 4:00pm on Monday, December 23, 2019.

As of December 23, 2019, all but one payment had been received. The one late payment from Space Center Mira Loma in the amount of \$8,847.29 was received on January 13, 2020. Per the Judgment, a late payment fee of \$51.03 was assessed on January 13, 2020.

November 2019:

The FY 2019/20 Assessment Package was approved by the Advisory Committee and adopted by the Board on Thursday, November 21, 2019. The Assessment invoices were issued by Watermaster on Thursday, November 21, 2019 with payment due 30-days after invoice date. Payments will be due to Watermaster on Monday, December 23, 2019. 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 4:00pm on Monday, December 23, 2019.

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 2019:

Revised 2014/15 through 2018/19 Assessment Packages:

From June 6, 2019 through August 28, 2019, multiple workshops were held to present and discuss the Revised 2014/15 through 2018/19 Assessment Packages. These Revised Assessment Packages were presented to the three Pool Committees on September 12, 2019. The three Pool Committees unanimously recommended Advisory Committee to approve the Revised 2014/15 through 2018/19 Assessment Packages. On September 19, 2019, the Revised 2014/15 through 2018/19 Assessment Packages were presented to the Advisory Committee where they were unanimously approved. The Watermaster Board approved the Revised 2014/15 through 2018/19 Assessment Packages on September 26, 2019. Invoices were issued on Friday, September 27, 2019 with payment due 30-days after invoice date. Payments were due to Watermaster on Monday, October 28, 2019. As past practice, payment could 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, October 28, 2019.

All payments were received as of October 28, 2019. The Appropriative Pool members who were owed a refund had the option to either receive a refund check or have the refund amount credited against their upcoming FY 2019/20 Assessment invoicing. The refund checks to those Appropriative Pool members

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who did not want a credit applied against their upcoming FY 2019/20 Assessment invoicing were issued and mailed on November 11, 2019.

FY 2019/20 Assessment Package:

The FY 2019/20 Assessment Package (Draft) was presented at Workshop #1 on Wednesday, October 30, 2019 at 1:30pm. There were no other Workshops scheduled.

The FY 2019/20 Assessment Package was presented to the Appropriative, Non-Agricultural Pool, and Agricultural Pool on Thursday, November 14, 2019. The FY 2019/20 Assessment Package was presented to the Advisory Committee and Board on Thursday, November 21, 2019.

The FY 2019/20 Assessment Package was approved by the Advisory Committee and adopted by the Board on Thursday, November 21, 2019. The Assessment invoices were issued by Watermaster on Thursday, November 21, 2019 with payment due 30-days after invoice date. Payments will be due to Watermaster on Monday, December 23, 2019. 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 4:00pm on Monday, December 23, 2019.

ATTACHMENTS

1. Financial Report - B5

	1/12th (8.33%) of the Total Budget				11/12th (91.67%) of the Total Budget				100% of the Total Budget			
	For The Month of May 2020				Year-To-Date as of May 31, 2020				Fiscal Year End as of June 30, 2020			
	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget	Projected	Budget	\$ Over(Under)	% of Budget
<b>Income</b>												
4010 - Local Agency Subsidies	0.00	0.00	0.00	0.0%	171,905.17	171,906.00	-0.83	100.0%	171,905.17	171,906.00	-0.83	100.0%
4110 - Admin Asmnts-Approp Pool	70,000.00	70,000.00	0.00	100.0%	8,100,142.55	8,113,100.00	-12,957.45	99.84%	8,100,142.55	8,113,100.00	-12,957.45	99.84%
4120 - Admin Asmnts-Non-Agri Pool	0.00	0.00	0.00	0.0%	364,535.88	352,197.00	12,338.88	103.5%	364,535.88	352,197.00	12,338.88	103.5%
4700 - Non Operating Revenues	9.17	0.00	9.17	100.0%	151,754.51	56,344.00	95,410.51	269.34%	196,757.46	75,124.00	121,633.46	261.91%
4900 - Miscellaneous Income	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
<b>Total Income</b>	<b>70,009.17</b>	<b>70,000.00</b>	<b>9.17</b>	<b>100.01%</b>	<b>8,788,338.11</b>	<b>8,693,547.00</b>	<b>94,791.11</b>	<b>101.09%</b>	<b>8,833,341.06</b>	<b>8,712,327.00</b>	<b>121,014.06</b>	<b>101.39%</b>
<b>Gross Profit</b>	<b>70,009.17</b>	<b>70,000.00</b>	<b>9.17</b>	<b>100.01%</b>	<b>8,788,338.11</b>	<b>8,693,547.00</b>	<b>94,791.11</b>	<b>101.09%</b>	<b>8,833,341.06</b>	<b>8,712,327.00</b>	<b>121,014.06</b>	<b>101.39%</b>
<b>Expense</b>												
6010 - Admin. Salary/Benefit Costs	66,115.39	100,588.00	-34,472.61	65.73%	973,952.24	1,066,189.00	-92,236.76	91.35%	1,121,813.70	1,155,864.00	-34,050.30	97.05%
6020 - Office Building Expense	12,535.49	9,642.00	2,893.49	130.01%	107,087.62	107,737.00	-649.38	99.4%	114,960.92	117,379.00	-2,418.08	97.94%
6030 - Office Supplies & Equip.	4,977.42	2,775.00	2,202.42	179.37%	25,903.77	67,650.00	-41,746.23	38.29%	60,426.36	69,800.00	-9,373.64	86.57%
6040 - Postage & Printing Costs	2,111.68	3,513.00	-1,401.32	60.11%	29,024.09	43,629.00	-14,604.91	66.53%	43,621.52	47,141.00	-3,519.48	92.53%
6050 - Information Services	9,896.57	14,375.00	-4,478.43	68.85%	128,838.35	155,761.00	-26,922.65	82.72%	166,652.60	169,656.00	-3,003.40	98.23%
6060 - Contract Services	2,500.00	400.00	2,100.00	625.0%	35,423.79	51,400.00	-15,976.21	68.92%	48,474.92	51,800.00	-3,325.08	93.58%
6070 - Watermaster Legal Services	40,105.35	16,588.00	23,517.35	241.77%	334,984.73	249,525.00	85,459.73	134.25%	365,987.73	266,115.00	99,872.73	137.53%
6080 - Insurance	0.00	0.00	0.00	0.0%	40,511.26	42,926.00	-2,414.74	94.38%	43,011.26	43,426.00	-414.74	99.05%
6110 - Dues and Subscriptions	0.00	500.00	-500.00	0.0%	32,580.79	35,792.00	-3,211.21	91.03%	32,838.90	35,792.00	-2,953.10	91.75%
6140 - WM Admin Expenses	0.00	445.00	-445.00	0.0%	2,657.22	3,679.00	-1,021.78	72.23%	2,928.50	3,950.00	-1,021.50	74.14%
6150 - Field Supplies	832.61	0.00	832.61	100.0%	2,059.62	2,550.00	-490.38	80.77%	2,365.88	2,550.00	-184.12	92.78%
6170 - Travel & Transportation	1,565.02	2,542.00	-976.98	61.57%	17,983.24	63,495.00	-45,511.76	28.32%	22,952.72	65,170.00	-42,217.28	35.22%
6190 - Training, Conferences, Seminars	6,450.00	3,155.00	3,295.00	204.44%	20,945.61	34,703.00	-13,757.39	60.36%	34,741.22	37,857.00	-3,115.78	91.77%
6200 - Advisory Comm - WM Board	6,132.20	4,449.00	1,683.20	137.83%	37,043.12	45,547.00	-8,503.88	81.33%	40,726.84	49,680.00	-8,953.16	81.98%
6300 - Watermaster Board Expenses	18,438.34	14,293.00	4,145.34	129.0%	127,480.60	170,679.00	-43,198.40	74.69%	159,632.56	184,467.00	-24,834.44	86.54%
8300 - Appr PI-WM & Pool Admin	31,954.38	22,798.67	9,155.71	140.16%	229,433.91	246,278.33	-16,844.42	93.16%	247,684.60	268,609.00	-20,924.40	92.21%
8400 - Agri Pool-WM & Pool Admin	6,182.65	5,776.00	406.65	107.04%	43,225.12	59,335.00	-16,109.88	72.85%	59,346.62	64,713.00	-5,366.38	91.71%
8467 - Ag Legal & Technical Services	106,211.25	25,000.00	81,211.25	424.85%	405,673.75	275,000.00	130,673.75	147.52%	555,673.75	300,000.00	255,673.75	185.23%
8470 - Ag Meeting Attend -Special	3,275.00	1,850.00	1,425.00	177.03%	19,900.00	20,350.00	-450.00	97.79%	21,900.00	22,200.00	-300.00	98.65%
8471 - Ag Pool Expense	0.00	0.00	0.00	0.0%	21,686.00	69,250.00	-47,564.00	31.32%	26,686.00	85,000.00	-58,314.00	31.4%
8485 - Ag Pool - Misc. Exp. - Ag Fund	0.00	0.00	0.00	0.0%	0.00	400.00	-400.00	0.0%	200.00	400.00	-200.00	50.0%
8500 - Non-Ag PI-WM & Pool Admin	8,025.52	10,990.00	-2,964.48	73.03%	86,220.19	117,234.00	-31,013.81	73.55%	115,567.10	127,951.00	-12,383.90	90.32%
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	-38,159.49	-39,730.00	1,570.51	96.05%	-347,492.00	-437,032.00	89,540.00	79.51%	-379,082.00	-476,762.00	97,680.00	79.51%
6900 - Optimum Basin Mgmt Plan	268,878.01	123,933.00	144,945.01	216.95%	2,204,841.38	2,060,042.00	144,799.38	107.03%	2,254,841.38	2,182,515.00	72,326.38	103.31%
9501 - G&A Expenses Allocated-OBMP	21,107.40	10,527.00	10,580.40	200.51%	170,918.84	115,798.00	55,120.84	147.6%	186,456.84	126,325.00	60,131.84	147.6%
7101 - Production Monitoring	5,763.56	6,902.00	-1,138.44	83.51%	62,674.77	72,062.00	-9,387.23	86.97%	65,222.30	78,073.00	-12,850.70	83.54%
7102 - In-line Meter Installation	0.00	1,869.00	-1,869.00	0.0%	1,441.85	376,755.00	-375,313.15	0.38%	2,500.00	378,428.00	-375,928.00	0.66%
7103 - Grdwtr Quality Monitoring	15,407.76	24,467.00	-9,059.24	62.97%	296,775.73	332,798.00	-36,022.27	89.18%	364,117.50	359,100.00	5,017.50	101.4%
7104 - Gdwtr Level Monitoring	14,647.37	24,013.00	-9,365.63	61.0%	188,441.77	261,202.00	-72,760.23	72.14%	225,952.00	284,537.00	-58,585.00	79.41%
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%

	1/12th (8.33%) of the Total Budget				11/12th (91.67%) of the Total Budget				100% of the Total Budget			
	For The Month of May 2020				Year-To-Date as of May 31, 2020				Fiscal Year End as of June 30, 2020			
	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget	Projected	Budget	\$ Over(Under)	% of Budget
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	3,506.36	17,352.00	-13,845.64	20.21%	143,693.78	316,399.00	-172,705.22	45.42%	212,471.14	333,683.00	-121,211.86	63.68%
7108 - Hydraulic Control Monitoring	10,562.00	9,038.00	1,524.00	116.86%	111,134.50	126,915.00	-15,780.50	87.57%	115,624.82	135,837.00	-20,212.18	85.12%
7109 - Recharge & Well Monitoring Prog	2,078.85	1,005.00	1,073.85	206.85%	25,275.65	24,255.00	1,020.65	104.21%	27,775.65	25,260.00	2,515.65	109.96%
7200 - PE2- Comp Recharge Pgm	9,668.60	15,380.00	-5,711.40	62.87%	1,096,196.68	1,410,749.00	-314,552.32	77.7%	1,399,597.30	1,425,415.00	-25,817.70	98.19%
7300 - PE3&5-Water Supply/Desalte	-4,268.60	2,953.00	-7,221.60	-144.55%	12,550.20	31,620.00	-19,069.80	39.69%	25,399.04	34,374.00	-8,974.96	73.89%
7400 - PE4- Mgmt Plan	12,302.25	6,393.00	5,909.25	192.43%	257,573.89	322,066.00	-64,492.11	79.98%	326,682.70	328,338.00	-1,655.30	99.5%
7500 - PE6&7-CoopEfforts/SaltMgmt	9,630.11	12,240.00	-2,609.89	78.68%	157,410.36	211,206.00	-53,795.64	74.53%	187,218.82	223,318.00	-36,099.18	83.84%
7600 - PE8&9-StorageMgmt/Conj Use	0.00	2,048.00	-2,048.00	0.0%	9,740.04	21,384.00	-11,643.96	45.55%	19,480.08	23,168.00	-3,687.92	84.08%
7690 - Recharge Improvement Debt Pymt	-58,510.50	0.00	-58,510.50	100.0%	467,765.50	2,268,221.70	-1,800,456.20	20.62%	2,152,552.00	2,268,221.70	-115,669.70	94.9%
7700 - Inactive Well Protection Prgm	0.00	42.00	-42.00	0.0%	0.00	458.00	-458.00	0.0%	0.00	500.00	-500.00	0.0%
9502 - G&A Expenses Allocated-Projects	17,052.09	29,203.00	-12,150.91	58.39%	176,573.16	321,234.00	-144,660.84	54.97%	192,625.16	350,437.00	-157,811.84	54.97%
<b>Total Expense</b>	<b>616,974.64</b>	<b>487,314.67</b>	<b>129,659.97</b>	<b>126.61%</b>	<b>7,758,131.12</b>	<b>10,765,242.03</b>	<b>-3,007,110.91</b>	<b>72.07%</b>	<b>10,667,628.43</b>	<b>11,250,287.70</b>	<b>-582,659.27</b>	<b>94.82%</b>
<b>Net Ordinary Income</b>	<b>-546,965.47</b>	<b>-417,314.67</b>	<b>-129,650.80</b>	<b>131.07%</b>	<b>1,030,206.99</b>	<b>-2,071,695.03</b>	<b>3,101,902.02</b>	<b>-49.73%</b>	<b>-1,834,287.37</b>	<b>-2,537,960.70</b>	<b>703,673.33</b>	<b>72.27%</b>
<b>Other Income</b>												
4210 - Approp Pool-Replenishment	0.00	0.00	0.00	0.0%	1,096,397.47	0.00	1,096,397.47	100.0%	1,096,397.47	0.00	1,096,397.47	100.0%
4220 - Non-Ag Pool-Replenishment	0.00	0.00	0.00	0.0%	24,974.17	0.00	24,974.17	100.0%	24,974.17	0.00	24,974.17	100.0%
4225 - Interest Income	0.00	0.00	0.00	0.0%	3,015.62	0.00	3,015.62	100.0%	10,000.00	0.00	10,000.00	100.0%
4226 - LAIF Fair Market Value	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4600 - Groundwater Sales	0.00	0.00	0.00	0.0%	675,000.00	0.00	675,000.00	100.0%	675,000.00	0.00	675,000.00	100.0%
4715 - Gain on Sale of Assets	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
<b>Total Other Income</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0%</b>	<b>1,799,387.26</b>	<b>0.00</b>	<b>1,799,387.26</b>	<b>100.0%</b>	<b>1,806,371.64</b>	<b>0.00</b>	<b>1,806,371.64</b>	<b>100.0%</b>
<b>Other Expense</b>												
5010 - Groundwater Replenishment	0.00	0.00	0.00	0.0%	1,444,941.71	0.00	1,444,941.71	100.0%	1,444,941.71	0.00	1,444,941.71	100.0%
5100 - Other Water Purchases	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	675,000.00	0.00	675,000.00	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%	271,110.41	0.00	271,110.41	100.0%	271,110.41	0.00	271,110.41	100.0%
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%	64,564.00	0.00	64,564.00	100.0%	64,564.00	0.00	64,564.00	100.0%
9999 - To/(From) Reserves	0.00	0.00	0.00	0.0%	0.00	-225,500.00	225,500.00	0.0%	0.00	-225,500.00	225,500.00	0.0%
<b>Total Other Expense</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0%</b>	<b>1,780,616.12</b>	<b>-225,500.00</b>	<b>2,006,116.12</b>	<b>-789.63%</b>	<b>2,455,616.12</b>	<b>-225,500.00</b>	<b>2,681,116.12</b>	<b>-1,088.97%</b>
<b>Net Other Income</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0%</b>	<b>18,771.14</b>	<b>225,500.00</b>	<b>-206,728.86</b>	<b>8.32%</b>	<b>-649,244.48</b>	<b>225,500.00</b>	<b>-874,744.48</b>	<b>-287.91%</b>
<b>Net Income</b>	<b>-546,965.47</b>	<b>-417,314.67</b>	<b>-129,650.80</b>	<b>131.07%</b>	<b>1,048,978.13</b>	<b>-1,846,195.03</b>	<b>2,895,173.16</b>	<b>-56.82%</b>	<b>-2,483,531.85</b>	<b>-2,312,460.70</b>	<b>-171,071.15</b>	<b>107.4%</b>

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

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**June 2020**

Financial Report - B6  
For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	06/04/2020	22188	ACWA JOINT POWERS INSURANCE AUTHORITY	0648207	1012 - Bank of America Gen'l Ckg	
Bill	06/03/2020	0648207		Prepayment - July 2020	1409 - Prepaid Life, BAD&D & LTD	249.27
				June 2020	60191 - Life & Disab.Ins Benefits	249.26
TOTAL						498.53
Bill Pmt -Check	06/04/2020	22189	APPLIED COMPUTER TECHNOLOGIES	3143	1012 - Bank of America Gen'l Ckg	
Bill	05/31/2020	3143		Database Consulting Services - May 2020	6052.2 - Applied Computer Technol	3,120.00
TOTAL						3,120.00
Bill Pmt -Check	06/04/2020	22190	BOWCOCK, ROBERT	Board Member Compensation	1012 - Bank of America Gen'l Ckg	
Bill	05/21/2020	5/21 Board Officers		5/21/20 Board Officers/Pool Chairs meeting	6311 - Board Member Compensation	125.00
Bill	05/22/2020	5/22 Special Board		5/22/20 Special Board meeting	6311 - Board Member Compensation	125.00
Bill	05/28/2020	5/28 Board Mtg		5/28/20 Board meeting	6311 - Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	06/04/2020	22191	DE BOOM, NATHAN	Ag Pool member Compensation	1012 - Bank of America Gen'l Ckg	
Bill	05/08/2020	5/08 Special Ag Mtg		5/08/20 Special Ag Pool Meeting	8411 - Ag Pool Member Compensation	25.00
				5/08/20 Special Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
Bill	05/14/2020	5/14 Ag Pool Mtg		5/14/20 Ag Pool Meeting	8411 - Ag Pool Member Compensation	25.00
				5/14/20 Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
Bill	05/22/2020	5/22 Special Ag Mtg		5/22/20 Special Ag Pool Meeting	8411 - Ag Pool Member Compensation	25.00
				5/22/20 Special Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
TOTAL						375.00
Bill Pmt -Check	06/04/2020	22192	EGOSCUE LAW GROUP, INC.	12715	1012 - Bank of America Gen'l Ckg	
Bill	04/30/2020	12715		Ag Pool Legal Services - April 2020	8467 - Ag Legal & Technical Services	43,372.50
				GSI invoice 25140 - April 2020	8467 - Ag Legal & Technical Services	5,565.00
				Stratecon, Inc. services - April 2020	8467 - Ag Legal & Technical Services	11,043.75
TOTAL						59,981.25
Bill Pmt -Check	06/04/2020	22193	ELIE, STEVEN	Board Member Compensation	1012 - Bank of America Gen'l Ckg	
Bill	05/18/2020	5/18 Admin Mtg		5/18/20 Administrative meeting w/GM	6311 - Board Member Compensation	125.00
Bill	05/22/2020	5/22 Special Board		5/22/20 Special Board meeting	6311 - Board Member Compensation	125.00
Bill	05/28/2020	5/28 Board Mtg		5/28/20 Board meeting	6311 - Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	06/04/2020	22194	FEDAK & BROWN LLP	Audit Progress Billing	1012 - Bank of America Gen'l Ckg	
Bill	05/31/2020			May 2020	6062 - Audit Services	2,500.00
TOTAL						2,500.00

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<b>Bill Pmt -Check</b>	<b>06/04/2020</b>	<b>22195</b>	<b>FILIPPI, GINO</b>	<b>Board Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/14/2020	5/14 Ag Pool Mtg		5/14/20 Ag Pool Meeting	6311 - Board Member Compensation	125.00
Bill	05/21/2020	5/21 Advisory Comm		5/21/20 Advisory Committee Meeting	6311 - Board Member Compensation	125.00
Bill	05/22/2020	5/22 Special Board		5/22/20 Special Board Meeting	6311 - Board Member Compensation	125.00
Bill	05/28/2020	5/28 Board Mtg		5/28/20 Board Meeting	6311 - Board Member Compensation	125.00
<b>TOTAL</b>						<b>500.00</b>
<b>Bill Pmt -Check</b>	<b>06/04/2020</b>	<b>22196</b>	<b>FONTANA UNION WATER COMPANY'</b>	<b>Board Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/21/2020	5/21 Board Officers		5/21/20 Pool Chairs/Board Officers-Curatalo	6311 - Board Member Compensation	125.00
Bill	05/22/2020	5/22 Special Board		5/22/20 Special Board meeting - Curatalo	6311 - Board Member Compensation	125.00
Bill	05/26/2020	5/26 Board Agenda		5/26/20 Board agenda preview - Curatalo	6311 - Board Member Compensation	125.00
Bill	05/28/2020	5/28 Board Mtg		5/28/20 Board meeting - Curatalo	6311 - Board Member Compensation	125.00
<b>TOTAL</b>						<b>500.00</b>
<b>Bill Pmt -Check</b>	<b>06/04/2020</b>	<b>22197</b>	<b>GRAINGER</b>	<b>9543430228</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/27/2020	9543430228		Miscellaneous supplies	7103.6 - Grdwtr Qual-Supplies	124.38
<b>TOTAL</b>						<b>124.38</b>
<b>Bill Pmt -Check</b>	<b>06/04/2020</b>	<b>22198</b>	<b>LOEB &amp; LOEB LLP</b>	<b>1887209</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	04/30/2020	1887209		Non-Ag Pool Legal Services - April 2020	8567 - Non-Ag Legal Service	2,763.90
<b>TOTAL</b>						<b>2,763.90</b>
<b>Bill Pmt -Check</b>	<b>06/04/2020</b>	<b>22199</b>	<b>PIETERSMA, RONALD</b>	<b>Ag Pool Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/08/2020	5/08 Special Ag Mtg		5/08/20 Special Ag Pool meeting	8411 - Ag Pool Member Compensation	25.00
				5/08/20 Special Ag Pool meeting	8470 - Ag Meeting Attend -Special	100.00
Bill	05/14/2020	5/14 Ag Pool Mtg		5/14/20 Ag Pool meeting	8411 - Ag Pool Member Compensation	25.00
				5/14/20 Ag Pool meeting	8470 - Ag Meeting Attend -Special	100.00
Bill	05/22/2020	5/22 Special Ag Mtg		5/22/20 Special Ag Pool meeting	8411 - Ag Pool Member Compensation	25.00
				5/22/20 Special Ag Pool meeting	8470 - Ag Meeting Attend -Special	100.00
<b>TOTAL</b>						<b>375.00</b>
<b>Bill Pmt -Check</b>	<b>06/04/2020</b>	<b>22200</b>	<b>PREMIERE GLOBAL SERVICES</b>	<b>29485103</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/31/2020	29485103		Prep for Approp. Pool meeting call on 5/06	8312 - Meeting Expenses	11.01
				Fee - General	6022 - Telephone	39.00
				Fee - Confidential	6022 - Telephone	39.00
				WM coordination call on 4/27	6909.1 - OBMP Meetings	6.54
				Hamner Park call on 4/30	8512 - Meeting Expense	14.99
				Last minute check-Pool meetings call-5/13	8312 - Meeting Expenses	7.76
				Last minute check- Pool meetings call-5/13	8412 - Meeting Expenses	7.76

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				Last minute check-Pool meetings call-5/13	8512 - Meeting Expense	7.76
				Board agenda preview call on 5/26	6312 - Meeting Expenses	26.92
				Call shortfalls	6022 - Telephone	78.00
				Service Fee	6022 - Telephone	23.88
TOTAL						262.62
<b>Bill Pmt -Check</b>	<b>06/04/2020</b>	<b>22201</b>	<b>PURCHASE POWER</b>	<b>8000-9090-0016-8851</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/31/2020	8000909000168851		Postage refill	6042 - Postage - General	500.00
				Set up SendPro account-large packages	6042 - Postage - General	20.00
				Service Fee	6042 - Postage - General	1.37
TOTAL						521.37
<b>Bill Pmt -Check</b>	<b>06/04/2020</b>	<b>22202</b>	<b>ROGERS, PETER</b>	<b>Board Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/28/2020	5/28 Board Meeting		5/28/20 Board Meeting	6311 - Board Member Compensation	125.00
TOTAL						125.00
<b>Bill Pmt -Check</b>	<b>06/04/2020</b>	<b>22203</b>	<b>RR FRANCHISING, INC.</b>	<b>87295</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/01/2020	87295		June 2020	6024 - Building Repair & Maintenance	740.00
TOTAL						740.00
<b>Bill Pmt -Check</b>	<b>06/04/2020</b>	<b>22204</b>	<b>SPECTRUM BUSINESS</b>	<b>2031978052320</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/28/2020	2031978052320		5/23/20-6/22/20	6053 - Internet Expense	800.86
TOTAL						800.86
<b>Bill Pmt -Check</b>	<b>06/04/2020</b>	<b>22205</b>	<b>STAPLES BUSINESS ADVANTAGE</b>	<b>8058488115</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/23/2020	8058488115		Copy paper	6031.1 - Copy Paper	275.33
				Miscellaneous office supplies	6031.7 - Other Office Supplies	71.82
TOTAL						347.15
<b>Bill Pmt -Check</b>	<b>06/04/2020</b>	<b>22206</b>	<b>STATE COMPENSATION INSURANCE FUND</b>	<b>1970970-19</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/01/2020	1970970-19		Premium 5/26/20-6/26/20	60183 - Worker's Comp Insurance	532.75
TOTAL						532.75
<b>General Journal</b>	<b>06/04/2020</b>	<b>06/04/2020</b>	<b>Payroll and Taxes for 05/17/20-05/30/20</b>	<b>Payroll and Taxes for 05/17/20-05/30/20</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
				Direct Deposits for 05/17/20-05/30/20	1012 - Bank of America Gen'l Ckg	30,387.18
				Payroll and Taxes for 05/17/20-05/30/20	1012 - Bank of America Gen'l Ckg	10,013.76
			ICMA-RC	457(f) EE Deductions for 05/17/20-05/30/20	1012 - Bank of America Gen'l Ckg	5,476.92
			ICMA-RC	401(a) EE Deductions for 05/17/20-05/30/20	1012 - Bank of America Gen'l Ckg	1,562.57
TOTAL						47,440.43

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<b>Bill Pmt -Check</b>	<b>06/07/2020</b>	<b>ACH 060820</b>	<b>CALPERS</b>	<b>1394905143</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/14/2020	1394905143		Medical Insurance Premiums - June 2020	60182.1 - Medical Insurance	11,018.02
TOTAL						11,018.02
<b>Bill Pmt -Check</b>	<b>06/07/2020</b>	<b>ACH 060820</b>	<b>PUBLIC EMPLOYEES' RETIREMENT SYSTEM</b>	<b>Payor #3493</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
General Journal	05/30/2020	05/30/2020	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 05/17/20-05/30/20	2000 - Accounts Payable	8,180.70
TOTAL						8,180.70
<b>Bill Pmt -Check</b>	<b>06/12/2020</b>	<b>22207</b>	<b>AUTO CLUB SPEEDWAY</b>	<b>Exhibit "G" Water Payment</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/08/2020			1,000 AF @ \$675/AF Exhibit G Water pymnt	5107 - Exhibit "G" Non-Ag Pool Water	675,000.00
TOTAL						675,000.00
<b>Bill Pmt -Check</b>	<b>06/12/2020</b>	<b>22208</b>	<b>BANK OF AMERICA</b>	<b>XXXX-XXXX-XXXX-9341</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/31/2020	XXXX-XXXX-XXXX-9341		Clorox disinfectant wipes-COVID-19	6031.7 - Other Office Supplies	21.54
				Clorox disinfectant wipes COVID-19	6031.7 - Other Office Supplies	21.54
				Miscellaneous office supplies	6031.7 - Other Office Supplies	248.57
				Hand sanitizer COVID-19	6031.7 - Other Office Supplies	107.82
				Acrylic panels COVID-19	6027 - Other Building Expense	278.00
				Miscellaneous office supplies	6031.7 - Other Office Supplies	27.46
				Miscellaneous office supplies	6031.7 - Other Office Supplies	47.32
				Uniforms for office staff	6154 - Uniforms	329.26
				Rechargeable batteries	6031.7 - Other Office Supplies	52.05
				Webcam - Hearing Supplies	6055 - Computer Hardware	48.48
				Miscellaneous office supplies	6031.7 - Other Office Supplies	17.51
				Toner cartridges	6031.7 - Other Office Supplies	99.01
				Miscellaneous office supplies	6031.7 - Other Office Supplies	42.24
				Acrylic panels COVID-19	6027 - Other Building Expense	1,723.84
				Supplies-installation of acrylic panels C-19	6027 - Other Building Expense	265.98
				Face shields for office COVID-19	6031.7 - Other Office Supplies	59.31
				Miscellaneous office supplies	6031.7 - Other Office Supplies	51.72
				Hand sanitizer dispensers for office C-19	6027 - Other Building Expense	1,032.41
				Hand sanitizer refills COVID-19	6031.7 - Other Office Supplies	355.45
				COVID-19 antibody test kits	6031.7 - Other Office Supplies	448.30
TOTAL						5,277.81
<b>Bill Pmt -Check</b>	<b>06/12/2020</b>	<b>22209</b>	<b>BURRTEC WASTE INDUSTRIES, INC.</b>	<b>21136525395</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/08/2020	21136525395		Disposal Service - June 2020	6024 - Building Repair & Maintenance	135.72
TOTAL						135.72
<b>Bill Pmt -Check</b>	<b>06/12/2020</b>	<b>22210</b>	<b>CORELOGIC INFORMATION SOLUTIONS</b>	<b>82027480</b>	<b>1012 - Bank of America Gen'l Ckg</b>	

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Bill	05/31/2020	82027480		82027480	7103.7 - Grdwtr Qual-Computer Svc	62.50
				82027480	7101.4 - Prod Monitor-Computer	62.50
TOTAL						125.00
<b>Bill Pmt -Check</b>	<b>06/12/2020</b>	<b>22211</b>	<b>INLAND EMPIRE UTILITIES AGENCY</b>	<b>90026703</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/10/2020	90026703		GW Recharge O&M Payment - 1st Quarter	1435 - Prepaid O&M Expense - IEUA	362,142.76
TOTAL						362,142.76
<b>Bill Pmt -Check</b>	<b>06/12/2020</b>	<b>22212</b>	<b>KUHN, BOB</b>	<b>Board Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/14/2020	5/14 Appro Pool Mtg		5/14/20 Appropriative Pool meeting	6311 - Board Member Compensation	125.00
Bill	05/21/2020	5/21 Advisory Comm		5/21/20 Advisory Committee meeting	6311 - Board Member Compensation	125.00
Bill	05/22/2020	5/22 Special Board		5/22/20 Special Board meeting	6311 - Board Member Compensation	125.00
Bill	05/26/2020	5/26 Exec Committee		5/26/20 Executive Committee / GM meeting	6311 - Board Member Compensation	125.00
Bill	05/28/2020	5/28 Board Mtg		5/28/20 Board meeting	6311 - Board Member Compensation	125.00
TOTAL						625.00
<b>Bill Pmt -Check</b>	<b>06/12/2020</b>	<b>22213</b>	<b>LOEB &amp; LOEB LLP</b>	<b>1892568</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/31/2020	1892568		Non-Ag Pool Legal Services - May 2020	8567 - Non-Ag Legal Service	4,257.90
TOTAL						4,257.90
<b>General Journal</b>	<b>06/13/2020</b>	<b>06/13/2020</b>	<b>Payroll and Taxes for 05/31/20-06/13/20</b>	<b>Payroll and Taxes for 05/31/20-06/13/20</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
				Direct Deposits for 05/31/20-06/13/20	1012 - Bank of America Gen'l Ckg	32,620.87
				Payroll and Taxes for 05/31/20-06/13/20	1012 - Bank of America Gen'l Ckg	10,769.98
			ICMA-RC	457(f) EE Deductions for 05/31/20-06/13/20	1012 - Bank of America Gen'l Ckg	5,476.92
			ICMA-RC	401(a) EE Deductions for 05/31/20-06/13/20	1012 - Bank of America Gen'l Ckg	1,562.57
TOTAL						50,430.34
<b>Bill Pmt -Check</b>	<b>06/13/2020</b>	<b>ACH 061820</b>	<b>PUBLIC EMPLOYEES' RETIREMENT SYSTEM</b>	<b>Payor #3493</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
General Journal	06/13/2020	06/13/2020	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 05/31/20-06/13/20	2000 - Accounts Payable	8,180.70
TOTAL						8,180.70
<b>Bill Pmt -Check</b>	<b>06/16/2020</b>	<b>22214</b>	<b>BROWNSTEIN HYATT FARBER SCHRECK</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/31/2020	804029		804029	6078 - BHFS Legal - Miscellaneous	31,444.65
Bill	05/31/2020	804030		COVID-19 Discussions	6073 - BHFS Legal - Personnel Matters	1,368.85
				Database Consulting Contract	6073 - BHFS Legal - Personnel Matters	1,331.55
				GM Evaluation	6073 - BHFS Legal - Personnel Matters	2,527.20
				SY Reset Meeting	6078 - BHFS Legal - Miscellaneous	158.00
Bill	05/31/2020	804031		804031	6907.34 - Santa Ana River Water Rights	1,291.95
Bill	05/31/2020	804032		804032	6275 - BHFS Legal - Advisory Committee	2,272.05
Bill	05/31/2020	804033		804033	6375 - BHFS Legal - Board Meeting	8,650.80

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Bill	05/31/2020	804034		804034	8375 - BHFS Legal - Appropriative Pool	1,871.10
Bill	05/31/2020	804035		804035	8475 - BHFS Legal - Agricultural Pool	1,871.10
Bill	05/31/2020	804036		804036	8575 - BHFS Legal - Non-Ag Pool	1,603.80
Bill	05/31/2020	804037		804037	6071 - BHFS Legal - Court Coordination	1,457.10
Bill	05/31/2020	804038		804038	6077 - BHFS Legal - Party Status Maint	1,818.00
Bill	05/31/2020	804039		804039	6907.39 - Recharge Master Plan	398.25
Bill	05/31/2020	804040		804040	6907.40 - Storage Agreements	89.10
Bill	05/31/2020	804041		804041	6907.41 - Prado Basin Habitat Sustain	490.05
Bill	05/31/2020	804042		804042	6907.46 - Upper SAR Integrated Model	89.10
Bill	05/31/2020	804043		804043	6907.45 - OBMP Update	42,344.10
Bill	05/31/2020	809044		804044	6907.47 - 2020 Safe Yield Reset	53,230.05
<b>TOTAL</b>						<b>154,306.80</b>
<b>Bill Pmt -Check</b>	<b>06/16/2020</b>	<b>22215</b>	<b>TOM DODSON &amp; ASSOCIATES</b>	<b>CB271 20-6</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/31/2020	CB27120-6		May 2020 - OBMP Update PEIR	6908.1 - 2020 OBMP Update-Dodson & Assoc	17,376.20
<b>TOTAL</b>						<b>17,376.20</b>
<b>Bill Pmt -Check</b>	<b>06/16/2020</b>	<b>22216</b>	<b>UNION 76</b>	<b>7076-2245-3035-5049</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/31/2020	7076224530355049		Vehicle Fuel - May 2020	6175 - Vehicle Fuel	95.02
<b>TOTAL</b>						<b>95.02</b>
<b>Bill Pmt -Check</b>	<b>06/17/2020</b>	<b>22217</b>	<b>ACCENT COMPUTER SOLUTIONS, INC.</b>	<b>136144</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/16/2020	136144		Server replacement - PowerEdge R740	6055 - Computer Hardware	13,334.13
<b>TOTAL</b>						<b>13,334.13</b>
<b>Bill Pmt -Check</b>	<b>06/18/2020</b>	<b>22218</b>	<b>CUCAMONGA VALLEY WATER DISTRICT</b>	<b>Office Lease Payment</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/15/2020			Lease due on July 1, 2020	1422 - Prepaid Rent	7,093.14
<b>TOTAL</b>						<b>7,093.14</b>
<b>Bill Pmt -Check</b>	<b>06/18/2020</b>	<b>22219</b>	<b>DE HAAN, HENRY</b>	<b>Ag Pool Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/08/2020	5/10 Special Ag Mtg		5/08/20 Special Ag Pool Meeting	8411 - Ag Pool Member Compensation	25.00
				5/08/20 Special Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
Bill	05/14/2020	5/14 Ag Pool Mtg		5/14/20 Ag Pool Meeting	8411 - Ag Pool Member Compensation	25.00
				5/14/20 Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
<b>TOTAL</b>						<b>250.00</b>
<b>Bill Pmt -Check</b>	<b>06/18/2020</b>	<b>22220</b>	<b>EUROFINS EATON ANALYTICAL</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/20/2020	L0512382		L0512384	7108.4 - Hydraulic Control-Lab Svcs	1,592.00
Bill	05/31/2020	L0498282		L0498282	7108.4 - Hydraulic Control-Lab Svcs	398.00
Bill	05/31/2020	L0507683		L0507683r	7108.41 - Hydraulic Control - PBHSP	1,050.00

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Bill	05/31/2020	L0513034		L0513034	7108.4 - Hydraulic Control-Lab Svcs	174.00
TOTAL						3,214.00
<b>Bill Pmt -Check</b>	<b>06/18/2020</b>	<b>22221</b>	<b>FRONTIER COMMUNICATIONS</b>	<b>909-484-3890-050914-5</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/15/2020	90948438900509145		Office fax	6022 - Telephone	154.02
TOTAL						154.02
<b>Bill Pmt -Check</b>	<b>06/18/2020</b>	<b>22222</b>	<b>GREAT AMERICA LEASING CORP.</b>	<b>272377072</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/15/2020	272377072		Invoice for May 2020 - standard payment	6043.1 - Ricoh Lease Fee	1,581.74
				Supply freight fee	6043.2 - Ricoh Usage & Maintenance Fee	8.57
TOTAL						1,590.31
<b>Bill Pmt -Check</b>	<b>06/18/2020</b>	<b>22223</b>	<b>HUITSING, JOHN</b>	<b>Ag Pool Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/08/2020	5/08 Special Ag Mtg		5/08/20 Special Ag Pool Meeting	8411 - Ag Pool Member Compensation	25.00
				5/08/20 Special Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
Bill	05/14/2020	5/14 Ag Pool Mtg		5/14/20 Ag Pool Meeting	8411 - Ag Pool Member Compensation	25.00
				5/14/20 Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
Bill	05/22/2020	5/22 Special Ag Mtg		5/22/20 Special Ag Pool Meeting	8411 - Ag Pool Member Compensation	25.00
				5/22/20 Special Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
TOTAL						375.00
<b>Bill Pmt -Check</b>	<b>06/18/2020</b>	<b>22224</b>	<b>JOHN J. SCHATZ</b>	<b>Appropriative Pool Legal Services</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/31/2020			May 2020	8367 - Legal Service	22,585.00
TOTAL						22,585.00
<b>Bill Pmt -Check</b>	<b>06/18/2020</b>	<b>22225</b>	<b>LEGAL SHIELD</b>	<b>111802</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/15/2020	111802		Employee deductions - June 2020	60194 - Other Employee Insurance	177.35
TOTAL						177.35
<b>Bill Pmt -Check</b>	<b>06/18/2020</b>	<b>22226</b>	<b>POWERS ELECTRIC PRODUCTS CO.</b>	<b>7103.5</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/05/2020	72398		72398	7104.6 - Grdwtr Level-Supplies	2,147.24
TOTAL						2,147.24
<b>Bill Pmt -Check</b>	<b>06/18/2020</b>	<b>22227</b>	<b>STAPLES BUSINESS ADVANTAGE</b>	<b>8058627089</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/06/2020	8058627089		Miscellaneous office supplies	6031.7 - Other Office Supplies	18.21
TOTAL						18.21
<b>Bill Pmt -Check</b>	<b>06/18/2020</b>	<b>22228</b>	<b>STAULA, MARY L</b>	<b>Retiree Medical</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/30/2020			Retiree Medical	60182.4 - Retiree Medical	30.72
TOTAL						30.72

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**June 2020**

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Type	Date	Num	Name	Memo	Account	Paid Amount
<b>Bill Pmt -Check</b>	<b>06/18/2020</b>	<b>22229</b>	<b>UNITED HEALTHCARE</b>	<b>052576210142</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/15/2020	052576210142		Dental Insurance Premium - July 2020	60182.2 · Dental & Vision Ins	402.59
TOTAL						402.59
<b>Bill Pmt -Check</b>	<b>06/18/2020</b>	<b>22230</b>	<b>VERIZON WIRELESS</b>	<b>9855965563</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/15/2020	9855965563		Acct #4708410953-00001	6022 · Telephone	319.88
TOTAL						319.88
<b>Bill Pmt -Check</b>	<b>06/18/2020</b>	<b>22231</b>	<b>WESTERN MUNICIPAL WATER DISTRICT</b>	<b>Board Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/22/2020	5/22 Special Board		5/22/20 Special Board mtg. - Galleano	6311 · Board Member Compensation	125.00
Bill	05/28/2020	5/28 Board Mtg		5/28/20 Board meeting - Galleano	6311 · Board Member Compensation	125.00
TOTAL						250.00
<b>Bill Pmt -Check</b>	<b>06/18/2020</b>	<b>22232</b>	<b>PIERSON, JEFFREY</b>	<b>Board and Ag Pool Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/05/2020	5/05 Admin Mtg		5/05/20 Administrative Meeting w/PK	6311 · Board Member Compensation	125.00
Bill	05/08/2020	5/08 Ag Pool Attny		5/08/20 Ag Pool Attorney/Chair conf. call	8470 · Ag Meeting Attend -Special	125.00
Bill	05/08/2020	5/08 Special Ag Mtg		5/08/20 Special Ag Pool meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	05/12/2020	5/12 Ag Pool Attny		5/12/20 Ag Pool Attorney/Chair conf. call	8470 · Ag Meeting Attend -Special	125.00
Bill	05/13/2020	5/13 Prado Basin CC		5/13/20 Prado Basin draft report conf. call	6311 · Board Member Compensation	125.00
Bill	05/13/2020	5/13 Ag Pool Attny		5/13/20 Ag Pool Attorney/Chair conf. call	8470 · Ag Meeting Attend -Special	125.00
Bill	05/14/2020	5/14 Ag Pool Attny		5/14/20 Ag Pool Attorney/Chair conf. call	8470 · Ag Meeting Attend -Special	125.00
Bill	05/14/2020	5/14 Ag Pool Mtg		5/14/20 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	05/15/2020	5/15 Board Officer		5/15/20 Board Officers/Pool Chairs conf. call	6311 · Board Member Compensation	125.00
Bill	05/20/2020	5/20 Ag Pool Attny		5/20/20 Ag Pool Attorney/Pool Chair conf. call	8470 · Ag Meeting Attend -Special	125.00
Bill	05/21/2020	5/21 Board Officers		5/21/20 Board Officers/Pool Chairs conf. call	6311 · Board Member Compensation	125.00
Bill	05/21/2020	5/21 Advisory Comm		5/21/20 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	05/21/2020	5/21 Ag Pool Attny		5/21/20 Ag Pool Attorney/Pool Chair conf. call	8470 · Ag Meeting Attend -Special	125.00
Bill	05/22/2020	5/22 Special Board		5/22/20 Special Board Meeting	6311 · Board Member Compensation	125.00
Bill	05/22/2020	5/22 Ag Pool Attny		5/22/20 Ag Pool Attorney/Pool Chair conf. call	8470 · Ag Meeting Attend -Special	125.00
Bill	05/22/2020	5/22 Special Ag Pool		5/22/20 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	05/26/2020	5/26 Admin Mtg		5/26/20 Administrative meeting w/PK	6311 · Board Member Compensation	125.00
Bill	05/26/2020	5/26 Ag Pool Attny		5/26/20 Ag Pool Attorney/ Pool Chair conf. call	8470 · Ag Meeting Attend -Special	125.00
Bill	05/27/2020	5/27 Ag Pool Attny		5/27/20 Ag Pool Attorney/Pool Chair conf. call	8470 · Ag Meeting Attend -Special	125.00
Bill	05/27/2020	5/27 Stored Water Mt		5/27/20 Stored Water conference call	8470 · Ag Meeting Attend -Special	125.00
Bill	05/28/2020	5/28 Board Mtg		5/28/20 Board Meeting	6311 · Board Member Compensation	125.00
Bill	05/28/2020	5/28 Ag Pool Attny		5/28/20 Ag Pool Attorney/Pool Chair conf. call	8470 · Ag Meeting Attend -Special	125.00
TOTAL						2,750.00
<b>General Journal</b>	<b>06/19/2020</b>	<b>06/19/2020</b>	<b>ADP, LLC</b>	<b>ADP Tax Service for 05/16/20-558774901</b>	<b>1012 - Bank of America Gen'l Ckg</b>	

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**June 2020**

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Type	Date	Num	Name	Memo	Account	Paid Amount
				ADP Tax Service for 05/16/20-558774901	1012 - Bank of America Gen'l Ckg	155.50
				ADP Tax Service for 05/30/20-558774901	1012 - Bank of America Gen'l Ckg	155.50
TOTAL						311.00
<b>Bill Pmt -Check</b>	<b>06/24/2020</b>	<b>22233</b>	<b>WILDERMUTH ENVIRONMENTAL INC</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	05/31/2020	2020192		2020192	6906.31 · OBMP-Pool, Adv. Board Mtgs	12,578.20
Bill	05/31/2020	2020193		2020193	6906.32 · OBMP-Other General Meetings	3,744.25
Bill	05/31/2020	2020194		2020194	6906.71 · OBMP-Data Req.-CBWM Staff	3,456.80
Bill	05/31/2020	2020195		2020195	6906.72 · OBMP-Data Req.-Non CBWM Staff	2,625.15
Bill	05/31/2020	2020196		2020196	6906 · OBMP Engineering Services	3,043.50
Bill	05/31/2020	2020197		2020197	6906.26 · 2020 OBMP Update	7,729.70
Bill	05/31/2020	2020198		2020198	6906.73 · OBMP-2020 Safe Yield Recalc	62,466.75
Bill	05/31/2020	2020199		2020199	6906.15 · Integrated Model Mtgs-IEUA Cost	3,008.10
Bill	05/31/2020	2020200		2020200	6906.16 · CBEWP-100% IEUA Cost	23,871.50
Bill	05/31/2020	2020201		2020201	7103.3 · Grdwtr Qual-Engineering	12,382.47
Bill	05/31/2020	2020202		2020202	7104.3 · Grdwtr Level-Engineering	7,840.28
Bill	05/31/2020	2020203		2020203	7107.2 · Grd Level-Engineering	3,353.06
Bill	05/31/2020	2020204		2020204	7107.2 · Grd Level-Engineering	153.30
Bill	05/31/2020	2020205		2020205	7108.31 · Hydraulic Control - PBHSP	14,296.00
Bill	05/31/2020	2020206		2020206	7109.3 · Recharge & Well - Engineering	2,078.85
Bill	05/31/2020	2020207		2020207	7202.2 · Engineering Svc	752.05
Bill	05/31/2020	2020208		2020208	7206.1 · SB88 Specs-Ensure Compliance	1,625.90
Bill	05/31/2020	2020209		2020209	7303 · PE3&5-Engineering	731.40
Bill	05/31/2020	2020210		2020210	7402 · PE4-Engineering	2,445.90
Bill	05/31/2020	2020211		2020211	7402.10 · PE4 - Northwest MZ1 Area Proj.	9,856.35
Bill	05/31/2020	2020212		2020212	7510 · PE6&7-IEUA Salinity Mgmt. Plan	13,483.35
Bill	05/31/2020	2020213		2020213	7511 · PE6&7-SAWBMPTask Force-50% IEU,	2,590.80
TOTAL						194,113.66
<b>Bill Pmt -Check</b>	<b>06/24/2020</b>	<b>22234</b>	<b>ADVANCED OFFICE SMART OFFICE SOLUTION AR91030</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/22/2020	AR911030		Contract charge-Nuance AutoStore Device	6043.2 · Ricoh Usage & Maintenance Fee	381.81
TOTAL						381.81
<b>Bill Pmt -Check</b>	<b>06/24/2020</b>	<b>22235</b>	<b>IN-SITU, INC.</b>	<b>135072</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/22/2020	00135072		135072	7103.6 · Grdwtr Qual-Supplies	4,027.17
TOTAL						4,027.17
<b>Bill Pmt -Check</b>	<b>06/24/2020</b>	<b>22236</b>	<b>KESSLER ALAIR INSURANCE SERVICES, INC.</b>	<b>35488</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/24/2020	35488		D&O Coverage Jun. 26, 2020 -Jun. 30, 2020	6085 · Business Insurance Package	163.60
				D&O Coverage Jul. 1, 2020 - Jun. 26, 2021	1401 · Prepaid Insurance-Pkg	11,779.46

**CHINO BASIN WATERMASTER**  
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**June 2020**

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Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						11,943.06
<b>Bill Pmt -Check</b>	<b>06/24/2020</b>	<b>22237</b>	<b>SOLINST CANADA LTD.</b>	<b>12823796</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/03/2020	12823796		Water level equipment	7104.9 · Grdwtr Level-Capital Equip	573.68
TOTAL						573.68
<b>Bill Pmt -Check</b>	<b>06/24/2020</b>	<b>22238</b>	<b>STANDARD INSURANCE CO.</b>	<b>Policy # 00-649299-0009</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/22/2020	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	903.53
TOTAL						903.53
<b>Bill Pmt -Check</b>	<b>06/24/2020</b>	<b>22239</b>	<b>VERIZON WIRELESS</b>	<b>9856560645</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/22/2020	9856560645		Acct #642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	100.04
TOTAL						100.04
<b>Bill Pmt -Check</b>	<b>06/25/2020</b>	<b>ACH 062620</b>	<b>PUBLIC EMPLOYEES' RETIREMENT SYSTEM</b>	<b>Payor #3493</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/01/2020	16055057		Annual Unfunded Accrued Liability-Plan 3299	60180 · Employers PERS Expense	6,655.12
TOTAL						6,655.12
<b>Bill Pmt -Check</b>	<b>06/30/2020</b>	<b>22240</b>	<b>GOATCHER, D'ANNE</b>	<b>Transcription Services</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/30/2020	6/26/20 Transcript		Transcript for 6/26/20 court hearing	6046 · Legal Publications/Services	260.00
TOTAL						260.00
<b>Bill Pmt -Check</b>	<b>06/30/2020</b>	<b>22241</b>	<b>READY REFRESH BY NESTLE</b>	<b>0023230253</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/26/2020	0023230253		Office Water Bottle - June 2020	6031.7 · Other Office Supplies	78.71
TOTAL						78.71
<b>Bill Pmt -Check</b>	<b>06/30/2020</b>	<b>22242</b>	<b>RR FRANCHISING, INC.</b>	<b>88204</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/24/2020	88204		Added disinfecting cleaning	6024 · Building Repair & Maintenance	95.45
TOTAL						95.45
<b>Bill Pmt -Check</b>	<b>06/30/2020</b>	<b>22243</b>	<b>VISION SERVICE PLAN</b>	<b>00-101789-0001</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/26/2020	0010789		Vision Insurance Premium - July 2020	60182.2 · Dental & Vision Ins	93.83
TOTAL						93.83
<b>Bill Pmt -Check</b>	<b>06/30/2020</b>	<b>22244</b>	<b>ACCENT COMPUTER SOLUTIONS, INC.</b>	<b>136224</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	07/01/2020	136224		Monthly service - July 2020	6052.4 · IT Managed Services	4,067.35
				Overwatch - July 2020	6052.5 · IT Data Backup/Storage	699.00
				Omni Cloud - July 2020	6052.5 · IT Data Backup/Storage	170.00
				Office 365 Subscriptions/Business Premier - July 2	6052.4 · IT Managed Services	195.75

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**June 2020**

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Type	Date	Num	Name	Memo	Account	Paid Amount
				Image Office Storage (per GB, per month)	6052.5 - IT Data Backup/Storage	751.02
TOTAL						<u>5,883.12</u>
<b>Bill Pmt -Check</b>	<b>06/30/2020</b>	<b>22245</b>	<b>PIETERSMA, RONALD</b>	<b>Ag Pool Member Compensation</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/11/2020	6/11 Ag Pool Mtg		6/11/20 Ag Pool meeting	8411 - Ag Pool Member Compensation	25.00
				6/11/20 Ag Pool meeting	8470 - Ag Meeting Attend -Special	100.00
TOTAL						<u>125.00</u>
<b>Bill Pmt -Check</b>	<b>06/30/2020</b>	<b>22246</b>	<b>SPECTRUM BUSINESS</b>	<b>2031978062320</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/30/2020	2031978062320		6/23/20-7/22/20	6053 - Internet Expense	800.86
TOTAL						<u>800.86</u>
<b>Bill Pmt -Check</b>	<b>06/30/2020</b>	<b>22247</b>	<b>STAPLES BUSINESS ADVANTAGE</b>	<b>8058761981</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	06/20/2020	8058761981		Miscellaneous office supplies	6031.7 - Other Office Supplies	55.59
TOTAL						<u>55.59</u>
<b>General Journal</b>	<b>06/30/2020</b>	<b>06/30/2020</b>	<b>Wage Works FSA Direct Debits - June 2020</b>	<b>Wage Works FSA Direct Debits - June 2020</b>	<b>1012 - Bank of America Gen'l Ckg</b>	
				Wage Works FSA Direct Debits - June 2020	1012 - Bank of America Gen'l Ckg	516.93
				Wage Works FSA Direct Debits - June 2020	1012 - Bank of America Gen'l Ckg	516.93
				Wage Works FSA Direct Debits - June 2020	1012 - Bank of America Gen'l Ckg	76.25
TOTAL						<u>1,110.11</u>
					<b>Total Disbursements:</b>	<u><u>1,701,613.54</u></u>

# **CHINO BASIN WATERMASTER**

## **I. CONSENT CALENDAR (AP & OAP)**

- C. HAMNER PARK ASSOCIATES OVERLYING (NON-AGRICULTURAL)  
POOL INTERVENTION REQUEST**

## **I. BUSINESS ITEMS – ROUTINE (ONAP)**

- C. HAMNER PARK ASSOCIATES OVERLYING (NON-AGRICULTURAL)  
POOL INTERVENTION REQUEST**



# CHINO BASIN WATERMASTER

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

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**PETER KAVOUNAS, P.E.**  
General Manager

## STAFF REPORT

DATE: July 9, 2020

TO: AP/ONAP/OAP Members

SUBJECT: Hamner Park Associates, LP Overlying (Non-Agricultural) Pool Intervention (Consent Calendar Item I.C.)

### SUMMARY:

Issue: On June 22, 2020, Hamner Park Associates, LP submitted a letter requesting intervention in the Judgment and an application for a transfer of the Carlsberg Mobile Home Properties, LTD '73 water rights from Carlsberg Mobile Home Properties, LTD to Hamner Park Associates, LP effective September 1987.

Recommendation: Recommend to the Advisory Committee to recommend Watermaster filing request for intervention with the Court.

Financial Impact: None

### Future Consideration

**Appropriative Pool – July 09, 2020:** Advice and Assistance

**Non-Agricultural Pool – July 09, 2020:** Advice and Assistance

**Agricultural Pool – July 09, 2020:** Advice and Assistance

**Advisory Committee – July 16, 2020:** Advice and Assistance

**Watermaster Board – July 23, 2020:** Recommend to Court [Within WM Duties and Powers]

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### ACTIONS:

**Appropriative Pool – July 09, 2020:**

**Non-Agricultural Pool – July 09, 2020:**

**Agricultural Pool – July 09, 2020:**

**Advisory Committee – July 16, 2020:**

**Watermaster Board – July 23, 2020:**

*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

Carlsberg Mobile Home Properties, LTD '73 ("Carlsberg") is identified in Exhibit "D" to the 1978 Judgment as a party holding Overlying Non-Agricultural Rights, with a share of Safe Yield of 464.240 acre feet per year. Watermaster is informed that, in 1987, Carlsberg transferred its real property described in the attached Partnership Grant Deed to Hamner Park Associates, LP ("Hamner Park"). This transfer included Carlsberg's water rights under the Judgment as, at that time, all overlying rights were considered appurtenant to the land and could not be assigned or conveyed separate or apart therefrom. (Judgment, ¶ 8.)

Watermaster has not been able to locate any approval of the transfer of Carlsberg's water rights, or Hamner Park's intervention as a Party to the Judgment. However, Hamner Park has participated as a Party to the Judgment since 1987, complying with the provisions of the Judgment and appearing in hearings before the Court in the case entitled *Chino Basin Municipal Water District v. City of Chino* (San Bernardino Superior Court Case No. RCVRS51010).

To clarify its status as a Party to the Judgment holding the former Carlsberg water rights, on June 22, 2020, Hamner Park submitted a letter requesting intervention in the Judgment and an application for a transfer of the Carlsberg water rights from Carlsberg to Hamner Park effective September 1987.

## DISCUSSION

### Intervention Requests

Interventions are governed by paragraph 60 of the Restated Judgment: "Any non-party assignee of the adjudicated appropriative rights of any appropriator, or any other person newly proposing to produce water from the Chino Basin, may become a party to this Judgment upon filing a petition in intervention. Said intervention must be confirmed by order of [the] Court. Such intervenor shall thereafter be a party bound by [the] Judgment and entitled to the rights and privileges accorded under the Physical Solution... through the pool to which the Court shall assign such intervenor."

Watermaster's practice has been to accept interventions informally by way of a letter request and then process the request through the Pools, Advisory Committee, and Board. After this internal recommendation process, the request for intervention is filed with the Court for approval.

### Overlying (Non-Agricultural) Pool Membership

According to the Restated Judgment, a producer is assigned to the Overlying (Non-Agricultural) Pool if it is an overlying producer who produces water for industrial or commercial purposes. (Restated Judgment, ¶ 43(b).) "Any non-party producer or any person who may hereafter commence production of water from Chino Basin, and who may become a party to [the] physical solution by intervention, shall be assigned to the proper pool by the order of the Court authorizing such intervention." (Restated Judgment, ¶ 43.)

### Hamner Park's Request for Intervention

Hamner Park has requested confirmation of intervention into the Overlying (Non-Agricultural) Pool for the purpose of confirming the Transfer of the Carlsberg water rights (Attachment 1). Hamner Park intends to continue as a member of the Overlying (Non-Agricultural) Pool, and will therefore hold Storage accounts with Watermaster within the Pool.

Hamner Park intends to continue its use of the overlying rights in a manner consistent with the Restated Judgment and current practices as approved through the Chino Basin Watermaster process and the San Bernardino Superior Court. Hamner Park has indicated that it will continue to meter and report its overlying uses of overlying rights in a manner consistent with the Judgment and current practices as approved through the Chino Basin Watermaster process and the Court.

Watermaster staff recommends the Board move the Court to confirm the intervention of Hamner Park.

ATTACHMENTS

1. June 19, 2020 Letter from Jeffery, A. Kaplan, Hamner Park Associates, LP Request for Intervention into Chino Basin Adjudication

**HAMNER PARK ASSOCIATES**  
**10877 Wilshire Boulevard, Suite #1520**  
**Los Angeles, California 90024**  
**Tel: (310) 208-0075 \* Fax: (310) 208-0571**

June 19, 2020

Chino Basin Watermaster  
Attn: Peter Kavounas, PE, General Manager  
9641 San Bernardino Rd  
Rancho Cucamonga, CA 91730

Re: Intervention into Chino Basin Adjudication

Dear Mr. Kavounas:

I write on behalf of Hamner Park Associates, LP (“Hamner Park”) to request that Chino Basin Watermaster (“Watermaster”) move the Court in Chino Basin Municipal Water District v. City of Chino (San Bernardino Superior Court Case No. RCVRS51010) (“Action”) to confirm Hamner Park’s status as a party to the Action.

Hamner Park is the successor-in-interest to the adjudicated, Overlying (Non-Agricultural) groundwater right granted to Carlsberg Mobile Home Properties, LTD. – ’73 (“Carlsberg”) in the 1978 Judgment. Hamner Park succeeded to the right in 1987, when Carlsberg transferred its real property, including all appurtenances and the groundwater right part and parcel to the property, to Hamner Park, as detailed more fully in the attached Partnership Grant Deed. At that time, there were no exceptions to the rule that the subject water rights were appurtenant to and transferred along with the land. Since that time, Hamner Park has been an active party in the Action. It has complied with all aspects of the Restated Judgment, and filed and appeared in hearings before the Court.

Despite this history of active involvement, Watermaster has indicated that it has been unable to locate a resolution from this Board recommending Hamner Park’s intervention into the Action or an order from the Court approving Hamner Park’s intervention. Accordingly, Hamner Park now requests that Watermaster request the Court confirm Hamner Park’s intervention in the Action as a member of the Overlying (Non-Agricultural) Pool and as successor to the right granted to Carlsberg in the Judgment, effective September 1987.

Furthermore, Watermaster has been unable to locate documents reflecting the transfer of the groundwater right granted to Carlsberg to Hamner Park. Accordingly, to accurately document this transaction, Hamner Park is attaching Watermaster Forms 3-5 regarding the permanent transfer of the groundwater right to Hamner Park. This transfer is evidenced by the Grant Deed<sup>1</sup> and should be effective as of the date of the Grant Deed. Exercise of the groundwater right will be identical to the manner in which Hamner Park has exercised the right for the past 30 years.

Sincerely,



Jeffrey A. Kaplan,  
General Partner

**Enclosures:**

Grant Deed

Watermaster Forms 3-5 for permanent transfer

20898471

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<sup>1</sup> According to the Secretary of State's records, Carlsberg filed a Certificate of Dissolution effective December 31, 1992.

# **CHINO BASIN WATERMASTER**

## **I. CONSENT CALENDAR (AP & OAP)**

**D. APPLICATION: WATER TRANSACTION**

## **I. BUSINESS ITEMS – ROUTINE (ONAP)**

**D. APPLICATION: WATER TRANSACTION**



# CHINO BASIN WATERMASTER

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

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**PETER KAVOUNAS, P.E.**  
General Manager

## STAFF REPORT

DATE: July 9, 2020

TO: AP/ONAP/OAP Members

SUBJECT: Application: Water Transaction – Carlsberg Mobile Home Properties, LTD '73 to Hamner Park Associates, LP (Consent Calendar Item I.D.)

### SUMMARY:

Issue: The permanent transfer of 464.240 acre-feet of Safe Yield rights from Carlsberg Mobile Home Properties, LTD '73 to Hamner Park Associates, LP based on transfer of land ownership by Grant Deed dated September 30, 1987. This transfer is contingent on Hamner Park Associates, LP's successful intervention into the Overlying (Non-Agricultural) Pool.

Recommendation: Provide advice and assistance to the Watermaster Board on the proposed transaction.

Financial Impact: None

### Future Consideration

**Appropriative Pool – July 9, 2020:** Advice and assistance.

**Non-Agricultural Pool – July 9, 2020:** Advice and assistance.

**Agricultural Pool – July 9, 2020:** Advice and assistance.

**Advisory Committee – September 17, 2020:** Advice and assistance.

**Watermaster Board – September 24, 2020:** Approval (within WM Duties and Powers).

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### ACTIONS:

**Appropriative Pool – July 9, 2020:**

**Non-Agricultural Pool – July 9, 2020:**

**Agricultural Pool – July 9, 2020:**

**Advisory Committee – September 17, 2020:**

**Watermaster Board – September 24, 2020:**

*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

Carlsberg Mobile Home Properties, LTD '73 ("Carlsberg") is identified in Exhibit "D" to the 1978 Judgment as a party holding Overlying (Non-Agricultural) Rights, with a share of Safe Yield of 464.240 acre feet per year. Watermaster is informed that, in 1987, Carlsberg transferred its real property described in the attached Partnership Grant Deed to Hamner Park Associates, LP ("Hamner Park"). This transfer included Carlsberg's water rights under the Judgment as, at that time, all overlying rights were considered appurtenant to the land and could not be assigned or conveyed separate or apart therefrom. (Judgment, ¶ 8.)

Watermaster has not been able to locate any approval of the transfer of Carlsberg's water rights, or Hamner Park's intervention as a Party to the Judgment. However, Hamner Park has participated as a Party to the Judgment since 1987, complying with the provisions of the Judgment and appearing in hearings before the Court in the case entitled *Chino Basin Municipal Water District v. City of Chino* (San Bernardino Superior Court Case No. RCVRS51010).

To clarify its status as a Party to the Judgment holding the former Carlsberg water rights, on June 22, 2020, Hamner Park submitted a letter requesting intervention in the Judgment and an application for a transfer of the Carlsberg water rights from Carlsberg to Hamner Park effective September 1987.

The Court approved the Peace Agreement, the Implementation Plan and the goals and objectives identified in the OBMP Phase 1 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 date of this application is May 11, 2020. Notice of the transaction was transmitted electronically and mailed on July 2, 2020 along with the materials submitted by the requestors.

## DISCUSSION

Beyond confirmation of the source of the water to be transferred (Supplemental Water or Excess Carryover), Watermaster will evaluate the eventual disposition of the transferred water (e.g. production, storage, etc.) at the end of the production year and account for the same consistent with the Watermaster Guidance Documents.

Water transactions occur each year and are included as production by the respective entity (if produced) in any relevant analyses conducted by Wildermuth Environmental pursuant to the Peace Agreement and the Rules & Regulations. There is no indication additional analysis regarding this transaction is necessary at this time. As part of the OBMP Implementation Plan, continued measurement of water levels and the installation of extensometers are planned. Based on no real change in the available data, we cannot conclude that the proposed water transaction will cause material physical injury to a party or to the Basin.

## ATTACHMENTS

1. Consolidated Forms 3, 4 & 5
2. Notice Forms

Consolidated Forms 3, 4 & 5

**CONSOLIDATED WATER TRANSFER FORMS:  
 FORM 3: APPLICATION FOR SALE OR TRANSFER OF RIGHT TO PRODUCE WATER FROM STORAGE  
 FORM 4: APPLICATION OR AMENDMENT TO APPLICATION TO RECAPTURE WATER IN STORAGE  
 FORM 5: APPLICATION TO TRANSFER ANNUAL PRODUCTION RIGHT OR SAFE YIELD**

**FISCAL YEAR 2019 - 2020**

**DATE REQUESTED:** May 11, 2020

**AMOUNT REQUESTED:** 464.240 Acre-Feet

<b>TRANSFER FROM (SELLER / TRANSFEROR):</b>	<b>TRANSFER TO (BUYER / TRANSFEREE):</b>
<u>Carlsberg Mobile Home Properties, LTD. - '73</u> Name of Party	<u>Hamner Park Associates, LP</u> Name of Party
<u>2800 28th Street, Suite 200</u> Street Address	<u>10877 WILSHIRE BLVD #1520</u> Street Address
<u>Santa Monica</u> <u>CA</u> <u>90405</u> City                      State      Zip Code	<u>LOS ANGELES</u> <u>CA</u> <u>90024</u> City                      State      Zip Code
_____ Telephone	<u>310-208-0075</u> Telephone
_____ Facsimile	<u>310-208-0571</u> Facsimile

Have any other transfers been approved by Watermaster between these parties covering the same fiscal year?      Yes       No

**PURPOSE OF TRANSFER:**

- Pump when other sources of supply are curtailed
- Pump to meet current or future demand over and above production right
- Pump as necessary to stabilize future assessment amounts
- Other, explain Permanent transfer based on transfer of land ownership by Grant Deed dated September 30, 1987

**WATER IS TO BE TRANSFERRED FROM:**

- Annual Production Right (Appropriative Pool) or Operating Safe Yield (Non-Agricultural Pool)
- Storage
- Annual Production Right / Operating Safe Yield first, then any additional from Storage
- Other, explain Permanent transfer

**WATER IS TO BE TRANSFERRED TO:**

- Annual Production Right / Operating Safe Yield (common)
- Storage (rare)
- Other, explain Permanent transfer



**SAID TRANSFER SHALL BE CONDITIONED UPON:**

- (1) Transferee shall exercise said right on behalf of Transferor under the terms of the Judgment, the Peace Agreement, the Peace II Agreement, and the Management Zone 1 Subsidence Management Plan for the period described above. The first water produced in any year shall be that produced pursuant to carry-over rights defined in the Judgment. After production of its carry-over rights, if any, the next (or first if no carry-over rights) water produced by Transferee from the Chino Basin shall be that produced hereunder.
- (2) Transferee shall put all waters utilized pursuant to said Transfer to reasonable beneficial use.
- (3) Transferee shall pay all Watermaster assessments on account of the water production hereby Transferred.
- (4) Any Transferee not already a party must Intervene and become a party to the Judgment.

**ADDITIONAL INFORMATION ATTACHED**

Yes  No

\_\_\_\_\_  
Seller / Transferor Representative Signature

N/A - dissolved effective December 31, 1992  
Seller / Transferor Representative Name (Printed)

*HAMMILL PARKS ASSOCIATES, LP*  
*[Signature]*  
 Buyer / Transferee Representative Signature

\_\_\_\_\_  
Buyer / Transferee Representative Name (Printed)

**TO BE COMPLETED BY WATERMASTER STAFF:**

- DATE OF WATERMASTER NOTICE: \_\_\_\_\_
- DATE OF APPROVAL FROM APPROPRIATIVE POOL: \_\_\_\_\_
- DATE OF APPROVAL FROM NON-AGRICULTURAL POOL: \_\_\_\_\_
- DATE OF APPROVAL FROM AGRICULTURAL POOL: \_\_\_\_\_
- HEARING DATE, IF ANY: \_\_\_\_\_
- DATE OF ADVISORY COMMITTEE APPROVAL: \_\_\_\_\_
- DATE OF BOARD APPROVAL: \_\_\_\_\_

***CHINO BASIN WATERMASTER***

**NOTICE**

**OF**

**APPLICATION(S)**

**RECEIVED FOR**

**WATER TRANSACTIONS – ACTIVITIES**

Date of Notice:

July 1, 2020

This notice is to advise interested persons that the attached application(s) will come before the Watermaster Board on or after 30 days from the date of this notice.

**TRANSFER OF WATER**

A party to the Judgment has submitted a proposed transfer of water for Watermaster approval. Unless contrary evidence is presented to Watermaster that overcomes the rebuttable presumption provided in Section 5.3(b)(iii) of the Peace Agreement, Watermaster must find that there is “no material physical injury” and approve the transfer. Watermaster staff is not aware of any evidence to suggest that this transfer would cause material physical injury and hereby provides this notice to advise interested persons that this transfer will come before the Watermaster Board on or after 30 days from the date of this notice. The attached staff report will be included in the meeting package at the time the transfer begins the Watermaster process (comes before Watermaster).

## NOTICE OF APPLICATION(S) RECEIVED

Date of Application: **May 11, 2020**

Date of this notice: **July 1, 2020**

Please take notice that the following Application has been received by Watermaster:

- Notice of Sale or Transfer –The permanent transfer of Safe Yield Rights from Carlsberg Mobile Home Properties, LTD '73 to Hamner Park Associates, LP effective September 1987.

This *Application* will first be considered by each of the respective pool committees on the following dates:

Appropriative Pool: July 9, 2020

Non-Agricultural Pool: July 9, 2020

Agricultural Pool: July 9, 2020

This *Application* will be scheduled for consideration by the Advisory Committee *no earlier than thirty days from the date of this notice and a minimum of twenty-one calendar days* after the last pool committee reviews it.

After consideration by the Advisory Committee, the *Application* will be considered by the Board.

Unless the *Application* is amended, parties to the Judgment may file *Contests* to the *Application* with Watermaster *within seven calendar days* of when the last pool committee considers it. Any *Contest* must be in writing and state the basis of the *Contest*.

Watermaster address:

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

Tel: (909) 484-3888  
Fax: (909) 484-3890

# **CHINO BASIN WATERMASTER**

- I. CONSENT CALENDAR (AP & OAP)**
  - E. APPLICATION: WATER TRANSACTION**

- I. BUSINESS ITEMS – ROUTINE (ONAP)**
  - E. APPLICATION: WATER TRANSACTION**



# CHINO BASIN WATERMASTER

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

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 9, 2020

TO: AP/ONAP/OAP Members

SUBJECT: Application: Water Transaction – West End Consolidated Water Company to City of Upland (Consent Calendar Item I.E.)

### SUMMARY:

Issue: The purchase of 708.3 acre-feet of water from West End Consolidated Water Company by the City of Upland. This purchase is made from West End Consolidated Water Company's Annual Production Right. The City of Upland is utilizing this transaction to produce its West End Consolidated Water Company shares.

Recommendation: Provide advice and assistance to the Watermaster Board on the proposed transaction.

Financial Impact: None

### Future Consideration

**Appropriative Pool – July 9, 2020:** Advice and assistance.

**Non-Agricultural Pool – July 9, 2020:** Advice and assistance.

**Agricultural Pool – July 9, 2020:** Advice and assistance.

**Advisory Committee – September 17, 2020:** Advice and assistance.

**Watermaster Board – September 24, 2020:** Approval (within WM Duties and Powers).

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### ACTIONS:

**Appropriative Pool – July 9, 2020:**

**Non-Agricultural Pool – July 9, 2020:**

**Agricultural Pool – July 9, 2020:**

**Advisory Committee – September 17, 2020:**

**Watermaster Board – September 24, 2020:**

*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 date of this application is June 18, 2020. Notice of the transaction was transmitted electronically on July 1, 2020 along with the materials submitted by the requestors.

## DISCUSSION

Beyond confirmation of the source of the water to be transferred (Supplemental Water or Excess Carryover), Watermaster will evaluate the eventual disposition of the transferred water (e.g. production, storage, etc.) at the end of the production year and account for the same consistent with the Watermaster Guidance Documents.

Water transactions occur each year and are included as production by the respective entity (if produced) in any relevant analyses conducted by Wildermuth Environmental pursuant to the Peace Agreement and the Rules & Regulations. There is no indication additional analysis regarding this transaction is necessary at this time. As part of the OBMP Implementation Plan, continued measurement of water levels and the installation of extensometers are planned. Based on no real change in the available data, we cannot conclude that the proposed water transaction will cause material physical injury to a party or to the Basin.

The 85/15 rule does not apply for this transaction because the City of Upland is utilizing this transaction to produce its West End Consolidated Water Company shares.

## ATTACHMENTS

1. Consolidated Forms 3, 4 & 5
2. Notice Forms

**CONSOLIDATED WATER TRANSFER FORMS:  
 FORM 3: APPLICATION FOR SALE OR TRANSFER OF RIGHT TO PRODUCE WATER FROM STORAGE  
 FORM 4: APPLICATION OR AMENDMENT TO APPLICATION TO RECAPTURE WATER IN STORAGE  
 FORM 5: APPLICATION TO TRANSFER ANNUAL PRODUCTION RIGHT OR SAFE YIELD**

FISCAL YEAR 20\_\_ - 20\_\_

DATE REQUESTED: June 18, 2020

AMOUNT REQUESTED: 708.3 Acre-Feet

<p><b>TRANSFER FROM (SELLER / TRANSFEROR):</b></p> <p><u>West End Consolidated Water Company</u> Name of Party</p> <p><u>1370 N. Benson Avenue</u> Street Address</p> <p><u>Upland</u>                      <u>CA</u>      <u>91786</u> City                              State      Zip Code</p> <p><u>(909) 291-2931</u> Telephone</p> <p>_____ Facsimile</p>	<p><b>TRANSFER TO (BUYER / TRANSFEREE):</b></p> <p><u>City of Upland</u> Name of Party</p> <p><u>460 N. Euclid Avenue</u> Street Address</p> <p><u>Upland</u>                      <u>CA</u>      <u>91786</u> City                              State      Zip Code</p> <p><u>(909) 931-4102</u> Telephone</p> <p>_____ Facsimile</p>
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Have any other transfers been approved by Watermaster between these parties covering the same fiscal year?      Yes       No

**PURPOSE OF TRANSFER:**

- Pump when other sources of supply are curtailed
- Pump to meet current or future demand over and above production right
- Pump as necessary to stabilize future assessment amounts
- Other, explain \_\_\_\_\_

**WATER IS TO BE TRANSFERRED FROM:**

- Annual Production Right (Appropriative Pool) or Operating Safe Yield (Non-Agricultural Pool)
- Storage
- Annual Production Right / Operating Safe Yield first, then any additional from Storage
- Other, explain \_\_\_\_\_

**WATER IS TO BE TRANSFERRED TO:**

- Annual Production Right / Operating Safe Yield (common)
- Storage (rare)
- Other, explain \_\_\_\_\_

**IS THE 85/15 RULE EXPECTED TO APPLY? (If yes, all answers below must be "yes.")**

Is the Buyer an 85/15 Party?

Yes  No

Is the purpose of the transfer to meet a current demand over and above production right? Is the water being placed into the Buyer's Annual Account?

Yes  No

Yes  No

Yes  No

**IF WATER IS TO BE TRANSFERRED FROM STORAGE:**

700-1,100 gpm

Projected Rate of Recapture

Projected Duration of Recapture

**METHOD OF RECAPTURE (e.g. pumping, exchange, etc.):**

Pumping

**PLACE OF USE OF WATER TO BE RECAPTURED:**

Regular Production Wells

**LOCATION OF RECAPTURE FACILITIES (IF DIFFERENT FROM REGULAR PRODUCTION FACILITIES):**

**WATER QUALITY AND WATER LEVELS**

Are the Parties aware of any water quality issues that exist in the area?

Yes  No

If yes, please explain:

Nitrate ~ 56 ppm & DBCP ~ 0.35 ppb

What are the existing water levels in the areas that are likely to be affected?

Static Water Level ~ 55 to 610 bgs

**MATERIAL PHYSICAL INJURY**

Are any of the recapture wells located within Management Zone 1?

Yes  No

Is the Applicant aware of any potential Material Physical Injury to a party to the Judgment or the Basin that may 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?

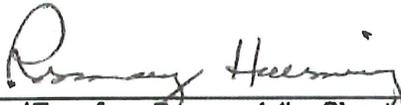
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SAID TRANSFER SHALL BE CONDITIONED UPON:**

- (1) Transferee shall exercise said right on behalf of Transferor under the terms of the Judgment, the Peace Agreement, the Peace II Agreement, and the Management Zone 1 Subsidence Management Plan for the period described above. The first water produced in any year shall be that produced pursuant to carry-over rights defined in the Judgment. After production of its carry-over rights, if any, the next (or first if no carry-over rights) water produced by Transferee from the Chino Basin shall be that produced hereunder.
- (2) Transferee shall put all waters utilized pursuant to said Transfer to reasonable beneficial use.
- (3) Transferee shall pay all Watermaster assessments on account of the water production hereby Transferred.
- (4) Any Transferee not already a party must Intervene and become a party to the Judgment.

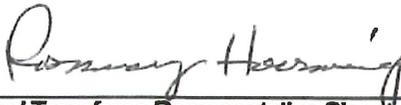
**ADDITIONAL INFORMATION ATTACHED**

Yes  No



\_\_\_\_\_  
Seller / Transferor Representative Signature

Rosemary Hoerning, General Manager  
Seller / Transferor Representative Name (Printed)



\_\_\_\_\_  
Buyer / Transferee Representative Signature

Rosemary Hoerning, City Manager  
Buyer / Transferee Representative Name (Printed)

**TO BE COMPLETED BY WATERMASTER STAFF:**

DATE OF WATERMASTER NOTICE: \_\_\_\_\_

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

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

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

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

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

DATE OF BOARD APPROVAL: \_\_\_\_\_

***CHINO BASIN WATERMASTER***

**NOTICE**

**OF**

**APPLICATION(S)**

**RECEIVED FOR**

**WATER TRANSACTIONS – ACTIVITIES**

Date of Notice:

July 1, 2020

This notice is to advise interested persons that the attached application(s) will come before the Watermaster Board on or after 30 days from the date of this notice.

**TRANSFER OF WATER**

A party to the Judgment has submitted a proposed transfer of water for Watermaster approval. Unless contrary evidence is presented to Watermaster that overcomes the rebuttable presumption provided in Section 5.3(b)(iii) of the Peace Agreement, Watermaster must find that there is “no material physical injury” and approve the transfer. Watermaster staff is not aware of any evidence to suggest that this transfer would cause material physical injury and hereby provides this notice to advise interested persons that this transfer will come before the Watermaster Board on or after 30 days from the date of this notice. The attached staff report will be included in the meeting package at the time the transfer begins the Watermaster process (comes before Watermaster).

**NOTICE OF APPLICATION(S) RECEIVED**

Date of Application: **June 18, 2020**

Date of this notice: **July 1, 2020**

Please take notice that the following Application has been received by Watermaster:

- Notice of Sale or Transfer –The purchase of 708.3 acre-feet of water from West End Consolidated Water Company by the City of Upland. This purchase is made from West End Consolidated Water Company’s Annual Production Right. The City of Upland is utilizing this transaction to produce its West End Consolidated Water Company shares.

This **Application** will first be considered by each of the respective pool committees on the following dates:

Appropriative Pool: July 9, 2020

Non-Agricultural Pool: July 9, 2020

Agricultural Pool: July 9, 2020

This **Application** will be scheduled for consideration by the Advisory Committee **no earlier than thirty days from the date of this notice and a minimum of twenty-one calendar days** after the last pool committee reviews it.

After consideration by the Advisory Committee, the **Application** will be considered by the Board.

Unless the **Application** is amended, parties to the Judgment may file **Contests** to the **Application** with Watermaster **within seven calendar days** of when the last pool committee considers it. Any **Contest** must be in writing and state the basis of the **Contest**.

Watermaster address:

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

Tel: (909) 484-3888  
Fax: (909) 484-3890

# CHINO BASIN WATERMASTER

- I. CONSENT CALENDAR (AP & OAP)
  - F. APPLICATION: WATER TRANSACTION

- I. BUSINESS ITEMS – ROUTINE (ONAP)
  - F. APPLICATION: WATER TRANSACTION



# CHINO BASIN WATERMASTER

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

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**PETER KAVOUNAS, P.E.**  
General Manager

## STAFF REPORT

DATE: July 9, 2020

TO: AP/ONAP/OAP Members

SUBJECT: Application: Water Transaction – Nicholson Trust to Nicholson Family Trust  
(Consent Calendar Item I.F.)

### SUMMARY:

Issue: The permanent transfer of Safe Yield Rights from Nicholson Trust to Nicholson Family Trust.

Recommendation: Provide advice and assistance to the Watermaster Board on the proposed transaction.

Financial Impact: None

### Future Consideration

**Appropriative Pool – July 9, 2020:** Advice and assistance.

**Non-Agricultural Pool – July 9, 2020:** Advice and assistance.

**Agricultural Pool – July 9, 2020:** Advice and assistance.

**Advisory Committee – September 17, 2020:** Advice and assistance.

**Watermaster Board – September 24, 2020:** Approval (within WM Duties and Powers).

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### ACTIONS:

**Appropriative Pool – July 9, 2020:**

**Non-Agricultural Pool – July 9, 2020:**

**Agricultural Pool – July 9, 2020:**

**Advisory Committee – September 17, 2020:**

**Watermaster Board – September 24, 2020:**

*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 date of this application is June 8, 2020. Notice of the transaction was transmitted electronically on July 1, 2020 along with the materials submitted by the requestors.

## DISCUSSION

The Nicholson Trust, a member of the Appropriative Pool, has submitted Consolidated Water Transfer Forms 3, 4 & 5 (Attachment 1). Following the passing of Mr. R.H. Nicholson, is the intent of the Nicholson Trust to transfer all of its permanent Safe Yield Rights to the Nicholson Family Trust – Exempt Marital Trust (Nicholson Family Trust).

Beyond confirmation of the source of the water to be transferred (Supplemental Water or Excess Carryover), Watermaster will evaluate the eventual disposition of the transferred water (e.g. production, storage, etc.) at the end of the production year and account for the same consistent with the Watermaster Guidance Documents.

Water transactions occur each year and are included as production by the respective entity (if produced) in any relevant analyses conducted by Wildermuth Environmental pursuant to the Peace Agreement and the Rules & Regulations. There is no indication additional analysis regarding this transaction is necessary at this time. As part of the OBMP Implementation Plan, continued measurement of water levels and the installation of extensometers are planned. Based on no real change in the available data, we cannot conclude that the proposed water transaction will cause material physical injury to a party or to the Basin.

## ATTACHMENTS

1. Consolidated Forms 3, 4 & 5
2. Notice Forms

**Consolidated Forms 3, 4 & 5**

**CONSOLIDATED WATER TRANSFER FORMS:  
 FORM 3: APPLICATION FOR SALE OR TRANSFER OF RIGHT TO PRODUCE WATER FROM STORAGE  
 FORM 4: APPLICATION OR AMENDMENT TO APPLICATION TO RECAPTURE WATER IN STORAGE  
 FORM 5: APPLICATION TO TRANSFER ANNUAL PRODUCTION RIGHT OR SAFE YIELD**

FISCAL YEAR 2020 - 2021

Permanent

DATE REQUESTED: June 8, 2020

AMOUNT REQUESTED:                      Permanent  
 Safe Yield Rights  
 Acre-Feet

<p><b>TRANSFER FROM (SELLER / TRANSFEROR):</b>  <u>The Nicholson Trust</u>                  Name of Party  <u>Post Office Box 6010</u>                  Street Address  <u>El Monte</u>                      <u>CA.</u>      <u>91734</u>                  City                                      State      Zip Code  <u>(626) 448-6183</u>                  Telephone  <u>(626) 448-5530</u>                  Facsimile</p>	<p><b>TRANSFER TO (BUYER / TRANSFEREE):</b>  <u>The Nicholson Family Trust</u>                  Name of Party  <u>Post Office Box 6010</u>                  Street Address  <u>El Monte</u>                      <u>CA.</u>      <u>91734</u>                  City                                      State      Zip Code  <u>(626) 448-6183</u>                  Telephone  <u>(626) 448-5530</u>                  Facsimile</p>
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Have any other transfers been approved by Watermaster between these parties covering the same fiscal year?      Yes       No

**PURPOSE OF TRANSFER:**

- Pump when other sources of supply are curtailed
- Pump to meet current or future demand over and above production right
- Pump as necessary to stabilize future assessment amounts
- Other, explain Name Change

**WATER IS TO BE TRANSFERRED FROM:**

- Annual Production Right (Appropriative Pool) or Operating Safe Yield (Non-Agricultural Pool)
- Storage
- Annual Production Right / Operating Safe Yield first, then any additional from Storage
- Other, explain Permanent Transfer of Safe Yield

**WATER IS TO BE TRANSFERRED TO:**

- Annual Production Right / Operating Safe Yield (common)
- Storage (rare)
- Other, explain Permanent Transfer of Safe Yield

**IS THE 85/15 RULE EXPECTED TO APPLY? (If yes, all answers below must be "yes.")** Yes  No   
Is the Buyer an 85/15 Party? Yes  No   
Is the purpose of the transfer to meet a current demand over and above production right? Yes  No   
Is the water being placed into the Buyer's Annual Account? Yes  No

<b>IF WATER IS TO BE TRANSFERRED FROM STORAGE:</b>	
N/A	N/A
Projected Rate of Recapture	Projected Duration of Recapture
<b>METHOD OF RECAPTURE (e.g. pumping, exchange, etc.):</b>	
N/A	
<b>PLACE OF USE OF WATER TO BE RECAPTURED:</b>	
N/A	
<b>LOCATION OF RECAPTURE FACILITIES (IF DIFFERENT FROM REGULAR PRODUCTION FACILITIES):</b>	
N/A	

**WATER QUALITY AND WATER LEVELS**

Are the Parties aware of any water quality issues that exist in the area? Yes  No

If yes, please explain:

Recent perchlorate levels range from ND to 8.2 ppb and nitrate levels range from 0.47 to 10.0 ppm.

What are the existing water levels in the areas that are likely to be affected?

Static water levels range from 322 bgs to 683 bgs as of November 2019.

**MATERIAL PHYSICAL INJURY**

Are any of the recapture wells located within Management Zone 1? Yes  No

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?

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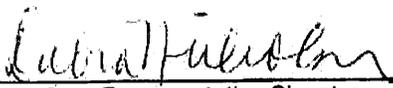
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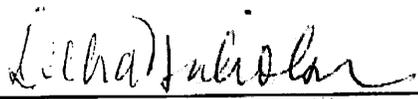
**SAID TRANSFER SHALL BE CONDITIONED UPON:**

- (1) Transferee shall exercise said right on behalf of Transferor under the terms of the Judgment, the Peace Agreement, the Peace II Agreement, and the Management Zone 1 Subsidence Management Plan for the period described above. The first water produced in any year shall be that produced pursuant to carry-over rights defined in the Judgment. After production of its carry-over rights, if any, the next (or first if no carry-over rights) water produced by Transferee from the Chino Basin shall be that produced hereunder.
- (2) Transferee shall put all waters utilized pursuant to said Transfer to reasonable beneficial use.
- (3) Transferee shall pay all Watermaster assessments on account of the water production hereby Transferred.
- (4) Any Transferee not already a party must intervene and become a party to the Judgment.

**ADDITIONAL INFORMATION ATTACHED**

Yes  No

  
\_\_\_\_\_  
Seller / Transferor Representative Signature  
**Debra Nicholson, Trustee**  
\_\_\_\_\_  
Seller / Transferor Representative Name (Printed)

  
\_\_\_\_\_  
Buyer / Transferee Representative Signature  
**Debra Nicholson, Trustee**  
\_\_\_\_\_  
Buyer / Transferee Representative Name (Printed)

**TO BE COMPLETED BY WATERMASTER STAFF:**

DATE OF WATERMASTER NOTICE: \_\_\_\_\_

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

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

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

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

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

DATE OF BOARD APPROVAL: \_\_\_\_\_

***CHINO BASIN WATERMASTER***

**NOTICE**

**OF**

**APPLICATION(S)**

**RECEIVED FOR**

**WATER TRANSACTIONS – ACTIVITIES**

Date of Notice:

July 1, 2020

This notice is to advise interested persons that the attached application(s) will come before the Watermaster Board on or after 30 days from the date of this notice.

**TRANSFER OF WATER**

A party to the Judgment has submitted a proposed transfer of water for Watermaster approval. Unless contrary evidence is presented to Watermaster that overcomes the rebuttable presumption provided in Section 5.3(b)(iii) of the Peace Agreement, Watermaster must find that there is “no material physical injury” and approve the transfer. Watermaster staff is not aware of any evidence to suggest that this transfer would cause material physical injury and hereby provides this notice to advise interested persons that this transfer will come before the Watermaster Board on or after 30 days from the date of this notice. The attached staff report will be included in the meeting package at the time the transfer begins the Watermaster process (comes before Watermaster).

**NOTICE OF APPLICATION(S) RECEIVED**

Date of Application: **June 9, 2020**

Date of this notice: **July 1, 2020**

Please take notice that the following Application has been received by Watermaster:

- Notice of Sale or Transfer – The permanent transfer of Safe Yield Rights from Nicholson Trust to Nicholson Family Trust.

This **Application** will first be considered by each of the respective pool committees on the following dates:

Appropriative Pool:	July 9, 2020
Non-Agricultural Pool:	July 9, 2020
Agricultural Pool:	July 9, 2020

This **Application** will be scheduled for consideration by the Advisory Committee **no earlier than thirty days from the date of this notice and a minimum of twenty-one calendar days** after the last pool committee reviews it.

After consideration by the Advisory Committee, the **Application** will be considered by the Board.

Unless the **Application** is amended, parties to the Judgment may file **Contests** to the **Application** with Watermaster **within seven calendar days** of when the last pool committee considers it. Any **Contest** must be in writing and state the basis of the **Contest**.

Watermaster address:

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

Tel: (909) 484-3888  
Fax: (909) 484-3890

# CHINO BASIN WATERMASTER

- I. CONSENT CALENDAR (AP & OAP)
  - G. APPLICATION: RECHARGE

- I. BUSINESS ITEMS – ROUTINE (ONAP)
  - G. APPLICATION: RECHARGE



# CHINO BASIN WATERMASTER

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

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**PETER KAVOUNAS, P.E.**  
General Manager

## STAFF REPORT

**DATE:** July 9, 2020  
**TO:** AP/ONAP/OAP Members  
**SUBJECT:** Application: Recharge – Cucamonga Valley Water District  
(Consent Calendar Item I.G.)

**SUMMARY:**

Issue: On June 3, 2020 Cucamonga Valley Water District submitted an Application for Recharge for up to 2,800 acre-feet to be recharged into the Turner Basins.

Recommendation: Recommend Advisory Committee to recommend to the Watermaster Board to approve Cucamonga Valley Water District's Application for Recharge and direct Watermaster staff to account for this supplemental water recharged in Cucamonga Valley Water District's existing Local Supplemental Storage account.

Financial Impact: None

Future Consideration

**Appropriative Pool – July 9, 2020:** Advice and Assistance  
**Non-Agricultural Pool – July 9, 2020:** Advice and Assistance  
**Agricultural Pool – July 9, 2020:** Advice and Assistance  
**Advisory Committee – September 17, 2020:** Advice and Assistance  
**Watermaster Board – September 24, 2020:** Approval [Within WM Duties and Powers]

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ACTIONS:

**Appropriative Pool – July 9, 2020:**  
**Non-Agricultural Pool – July 9, 2020:**  
**Agricultural Pool – July 9, 2020:**  
**Advisory Committee – September 17, 2020:**  
**Watermaster Board – September 24, 2020:**

*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 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, 2020, Cucamonga Valley Water District (CVWD) submitted an Application for Recharge for up to 2,800 acre-feet from January 2020 to August 2020. The Application states that the method of recharge is surface spreading into the Turner Basins located in Management Zone 2 (MZ-2) of the Chino Basin (see Attachment 1) and identifies the source of water to be both treated and untreated Cucamonga Basin groundwater. The CVWD will pump groundwater from three of its wells in the Cucamonga Basin (Wells 16, 19 and 24), treat the groundwater from one of the wells for nitrate, and discharge the groundwater in the Cucamonga Creek. The water would then be discharged into the storm drain system and captured at the Turner Basins (see Attachment 2).

The amount recharged will be subject to evaporative losses. This water can be used to offset over-production during the same fiscal year it was imported, or, should the water not be used in the fiscal year for over-production, the water will be placed into storage. It should be noted that the volume of water in storage in Chino Basin is quickly approaching the maximum that has been evaluated under CEQA. As such, it is possible that at the time water is available for the contemplated recharge, Watermaster may not approve a storage agreement. The applicant is advised to confirm with Watermaster in advance of any recharge. Per the Peace II Agreement and achievement of Hydraulic Control, losses will be applied to all water placed into a Local Supplemental Storage Account in a manner consistent to all other water held in storage.

Wildermuth Environmental, Inc. (WEI) completed a MPI analysis on June 23, 2020 declaring no negative impacts to the Basin from this recharge event (see Attachment 3.) The analysis notes that there may not be sufficient capacity at Turner Basins between September 2020 and March 2021 for the full 2,800 acre-feet. The deliveries of the water will be monitored and accounted for in coordination with IEUA and CVWD through Watermaster's Form 2b and Form 2c (Report of Supplemental Water Recharge by a Person).

Once approved, CVWD must complete Form 2b *Request to Recharge Supplemental Water by a Person to Watermaster* for each recharge event during the Applications proposed period. Form 2b will be used by Watermaster staff to coordinate with CVWD and the Inland Empire Utility Agency (IEUA) to develop a Recharge Operations Plan. During the Recharge event, Watermaster and IEUA will collect data to properly ensure the water is accounted for. Upon completion of the recharge event, CVWD will be required to submit Form 2c *Report of Supplemental Water Recharge by a Person* to Watermaster for final review and accounting.

## ATTACHMENTS

1. CVWD Application for Recharge Dated June 5, 2020
2. CVWD Discharge to Turner Basins Map
3. June 23, 2020 Letter from WEI to Watermaster: *Analysis of Material Physical Injury for the Cucamonga Valley Water District's (CVWD) Recharge Application, Submitted to the Chino Basin Watermaster on June 8, 2020 (hereafter June 8, 2020 recharge application)*
4. CVWD Well Water Quality

**Form 2a - Application for Supplemental Water Recharge**

Applicant Information and Recharge Request			
Person	Cucamonga Valley Water District	Date Requested	06/05/2020
Contact (individual)	Eduardo Espinoza	Date Approved	
Street Address	10440 Ashford St	Proposed Period of Time Covered by Recharge Application (mm/yyyy to mm/yyyy)	09/2020 to 03/2021
City	Rancho Cucamonga		
State	CA		
Zip Code	91730	Requested Total Amount of Recharge Over the Application Period (AF)	2,800 AF
Telephone	(909) 987-2591	Approved Total Amount of Recharge Over the Application Period (AF)	
Fax	(909) 476-7031		
Email	EduardoE@cwtdwater.com		

Source(s) of Supply (check box and provide supporting information)	
<input type="checkbox"/>	State Water Project
<input type="checkbox"/>	Colorado River Aqueduct
<input checked="" type="checkbox"/>	Local Supplemental (identify source and attach source water quality characterization including TDS and TN; use as many sheets as necessary) <span style="float: right;">Treated effluent from CVWD's Cucamonga Basin Wells 16, 19 and 24.</span>
<input type="checkbox"/>	Recycled Water (identify source and attach source water quality characterization including TDS and TN; use as many sheets as necessary)
<input type="checkbox"/>	Other (identify source and attach source water quality characterization including TDS and TN; use as many sheets as necessary)

Method of Recharge (check box and provide supporting information)	
<input checked="" type="checkbox"/>	Surface Spreading
	Recharge Basin Name(s) <span style="float: right;">Turner Basin</span>
	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"/>	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)

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BY:     Digitally signed by Eduardo Espinoza  
Date: 2020.06.08 12:44:48 -07'00'  
 Applicant

June 8, 2020  
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 \_\_\_\_\_





June 23, 2020

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 Cucamonga Valley Water District (CVWD) Recharge Application, Submitted to the Chino Basin Watermaster on June 8, 2020 (hereafter June 8, 2020 recharge application)**

Dear Mr. Kavounas:

Pursuant to your direction, Wildermuth Environmental, Inc. (WEI) conducted a material physical injury (MPI) analysis of the CVWD's June 8, 2020 recharge application. This MPI analysis was completed pursuant to the Watermaster Rules and Regulations and the Peace Agreement. Specifically, Article 10 of the 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 evaluations of Chino Basin storage programs, groundwater modeling of various groundwater management alternatives in the Chino Basin, and prior MPI analyses.

### **CVWD's Recharge Application of June 8, 2020**

The CVWD proposes to recharge up to 2,800 acre-feet (af) of both treated and untreated Cucamonga Basin groundwater into the Chino Basin during the period of September 2020 through March 2021. The CVWD proposes to pump groundwater from three of its wells in the Cucamonga Basin, treat the groundwater from one of the wells for nitrate, and discharge the groundwater into the Cucamonga Creek just south of State Route (SR) 210 and recharge this water in the Turner Basins.<sup>1</sup> Diversions into the Turner Basins would occur through the existing Cucamonga Creek diversion into Turner Basins. The CVWD will need to coordinate their proposed recharge activities with the IEUA and Watermaster to ensure that their water is diverted as proposed, measured and accounted for, and its recharge activities do not interfere with other recharge operations and stormwater management. The CVWD did not submit a recapture plan with its June 8, 2020 recharge application.

Watermaster classifies the water proposed to be recharged by the CVWD as supplemental water.

WEI evaluated the following impacts to determine the potential for MPI from the proposed recharge:

- Groundwater level impacts (liquefaction, land subsidence, and increases in pump lift)
- Balance of recharge and discharge in every area and subarea
- Total dissolved solids (TDS) and nitrate concentration impacts
- Water quality impacts on other pumpers

### **Groundwater Level Impacts (Liquefaction, Land Subsidence, and Increases in Pump Lift)**

The proposed project will produce a localized increase in groundwater levels in the vicinity of the recharge basins where the recharge occurs, followed by a return to the groundwater levels that would occur had the water not been recharged. As of March 2020, the depth to groundwater beneath the Turner Basins was about 340 feet below ground surface. Groundwater level increases from the proposed recharge will remain below the threshold necessary to avoid liquefaction. There will be no adverse liquefaction or land subsidence impacts from the groundwater level changes caused by the recharge and storage proposed by the CVWD. Pumping lifts may be slightly reduced resulting in lower pumping costs and lower greenhouse gas emissions caused by pumping. No

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<sup>1</sup> Based on the estimated average annual supplemental water recharge capacity at Turner Basins of about 3,500 af, the CVWD's proposed recharge of 2,800 af at this basin accounts for 80 percent of its annual supplemental water recharge capacity. Because recharge is only occurring over the 7-month period between September 2020 and March 2021, it is unlikely that there will be sufficient capacity to recharge the 2,800 af at these basins.

adverse impacts related to groundwater level changes will occur from the proposed recharge.

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

The CVWD did not provide information on how it plans to recover the recharged water; thus, the location of future recovery remains unknown, and the balance of recharge and discharge cannot be assessed.

### **TDS and Nitrate Concentrations Impacts**

The proposed recharge will occur in the Chino North Groundwater Management Zone (GMZ). The 2004 Regional Water Quality Control Plan (Basin Plan) for the Santa Ana River Watershed has maximum benefit-based TDS and nitrate (expressed as nitrogen) concentration objectives in the Chino-North GMZ of 420 milligrams per liter (mg/l) and 5 mg/l, respectively. The current ambient TDS and nitrate concentrations in the Chino-North GMZ are 350 mg/l and 10.3 mg/l, respectively. Because the current ambient nitrate concentration is above the objective of 5 mg/l, there is no assimilative capacity for nitrate. Pursuant to the Basin Plan, Watermaster and the IEUA are required to manage artificial recharge in Chino-North GMZ such that the five-year, volume-weighted average TDS and nitrate concentrations of the recycled water, imported water, and new stormwater recharged across all recharge facilities does not exceed the maximum-benefit objectives.<sup>2</sup>

The source of the supplemental water in the CVWD's June 8, 2020 recharge application is a blend of treated and untreated groundwater from three wells in the Cucamonga Basin. The CVWD provided water quality data from 2018 through 2020 for the treated and untreated groundwater. WEI supplemented this data with 2014-2017 water quality data obtained from Watermaster's database for the two wells that will not be treated for nitrate. Based on these data, the estimated annual, volume-weighted<sup>3</sup> TDS and nitrate concentrations of the CVWD recharge is expected are be about 280 mg/l (ranging from 250 to 300 mg/l) and 5.7 mg/l (ranging from 3.4 to 6.6 mg/l), respectively. Additionally, the Regional Board allows for an adjustment to the nitrate concentration of the managed recharge sources to account for soil aquifer treatment (SAT) in the vadose zone. The approved nitrogen loss-rate at Turner Basin is 87 percent. Thus, the average nitrate concentration of the CVWD recharge would be about 0.8 mg/l (ranging from 0.5 to 0.9 mg/l).

The volume-weighted TDS concentration of the proposed recharge is below the current ambient water quality and the maximum-benefit objective, therefore the proposed recharge will not encroach on the current TDS assimilative capacity or interfere with

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<sup>2</sup> As of December 2019, the five-year, volume-weighted average TDS and nitrate concentrations of the recycled water, imported water, and new stormwater recharged across all recharge facilities are 262 mg/l and 1.7 mg/l, respectively.

<sup>3</sup> The volume-weighted concentrations were estimated based on the assumed flow rate at each of the three wells provided by the CVWD.

Watermaster and the IEUA's regulatory obligations. The SAT-adjusted volume-weighted nitrate concentration of the proposed recharge is less than the maximum-benefit objective, and when blended with stormwater, recycled water and imported water recharge, it will not cause the five-year, volume-weighted average nitrate concentration of all recharge sources to exceed the maximum-benefit objective of 5 mg/l.

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

The proposed recharge will likely improve the general water quality in MZ2 and the Chino 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**

Our professional opinion, based on the information available at this time, is that there will be no MPI due to the CVWD's proposed recharge, as described in its June 8, 2020 recharge application. However, it should be noted that based on the supplemental water recharge capacity of the Turner Basins, it is unlikely that there will be sufficient capacity at these basins to recharge 2,800 af between September 2020 and March 2021.

Please contact either of us if you have any questions or concerns regarding this MPI analysis.

Very truly yours,

### **Wildermuth Environmental, Inc.**



Carolina Sanchez, PE  
*Senior Engineer*



Mark Wildermuth, PE  
*President, Principal Engineer*

Sample Date	Location	Constituent	Results	Units
3/28/2018	Well 16	1,2,3-Trichloropropane	0	µg/L
5/16/2018	Well 16	1,2,3-Trichloropropane	0	µg/L
7/3/2018	Well 16	1,1,1,2-Tetrachloroethane	0	µg/L
7/3/2018	Well 16	1,1,1-Trichloroethane (1,1,1-TCA)	0	µg/L
7/3/2018	Well 16	1,1,2,2-Tetrachloroethane	0	µg/L
7/3/2018	Well 16	1,1,2-Trichloroethane (1,1,2-TCA)	0	µg/L
7/3/2018	Well 16	1,1-Dichloroethane (1,1-DCA)	0	µg/L
7/3/2018	Well 16	1,1-Dichloropropene	0	µg/L
7/3/2018	Well 16	1,2,3-Trichlorobenzene	0	µg/L
7/3/2018	Well 16	1,2,4-Trichlorobenzene	0	µg/L
7/3/2018	Well 16	1,2,4-Trimethylbenzene	0	µg/L
7/3/2018	Well 16	1,2-Dichlorobenzene (o-DCB)	0	µg/L
7/3/2018	Well 16	1,2-Dichloroethane (1,2-DCA)	0	µg/L
7/3/2018	Well 16	1,2-Dichloropropane	0	µg/L
7/3/2018	Well 16	1,3,5-Trimethylbenzene	0	µg/L
7/3/2018	Well 16	1,3-Dichlorobenzene (m-DCB)	0	µg/L
7/3/2018	Well 16	1,3-Dichloropropane	0	µg/L
7/3/2018	Well 16	1,3-Dichloropropene	0	µg/L
7/3/2018	Well 16	1,4-Dichlorobenzene (p-DCB)	0	µg/L
7/3/2018	Well 16	2,2-Dichloropropane	0	µg/L
7/3/2018	Well 16	2-Butanone (MEK)	0	
7/3/2018	Well 16	2-Chloroethylvinyl Ether	0	µg/L
7/3/2018	Well 16	2-Chlorotoluene	0	µg/L
7/3/2018	Well 16	2-Hexanone	0	µg/L
7/3/2018	Well 16	4-Chlorotoluene	0	µg/L
7/3/2018	Well 16	4-Methyl-2-Pentanone (MIBK)	0	
7/3/2018	Well 16	Aluminum (Al)	5	µg/L
7/3/2018	Well 16	Anion Sum	5	
7/3/2018	Well 16	Antimony (Sb)	0	µg/L
7/3/2018	Well 16	Apparent Color (Unfiltered)	0	Units
7/3/2018	Well 16	Arsenic (As)	0.96	µg/L
7/3/2018	Well 16	Barium (Ba)	58	µg/L
7/3/2018	Well 16	Benzene	0	µg/L
7/3/2018	Well 16	Beryllium (Be)	0	µg/L
7/3/2018	Well 16	Bicarbonate (HCO <sub>3</sub> )	200	mg/L
7/3/2018	Well 16	Bromobenzene	0	µg/L
7/3/2018	Well 16	Bromochloromethane	0	µg/L
7/3/2018	Well 16	Bromodichloromethane	0	µg/L
7/3/2018	Well 16	Bromoform	0	µg/L
7/3/2018	Well 16	Bromomethane (Methyl Bromide)	0	µg/L
7/3/2018	Well 16	Cadmium (Cd)	0	µg/L
7/3/2018	Well 16	Calcium (Ca)	79.5	mg/L
7/3/2018	Well 16	Carbon Tetrachloride	0	µg/L
7/3/2018	Well 16	Carbonate (CO <sub>3</sub> )	0	mg/L
7/3/2018	Well 16	Cation Sum	5.6	
7/3/2018	Well 16	Chloride (Cl)	27	mg/L
7/3/2018	Well 16	Chloroethane	0	µg/L
7/3/2018	Well 16	Chloroform	0.85	µg/L
7/3/2018	Well 16	Chloromethane (Methyl Chloride)	0	µg/L
7/3/2018	Well 16	Chromium (Total Cr)	0.78	µg/L
7/3/2018	Well 16	cis-1,2-Dichloroethylene (c-1,2-DCE)	0	µg/L

Sample Date	Location	Constituent	Results	Units
7/3/2018	Well 16	cis-1,3-Dichloropropene	0	µg/L
7/3/2018	Well 16	Copper (Cu)	13	µg/L
7/3/2018	Well 16	Cyanide (CN)	0	µg/L
7/3/2018	Well 16	Dibromochloromethane	0	µg/L
7/3/2018	Well 16	Dibromochloropropane (DBCP)	0	µg/L
7/3/2018	Well 16	Dibromomethane	0	µg/L
7/3/2018	Well 16	Dichlorodifluoromethane	0	µg/L
7/3/2018	Well 16	Di-isopropyl ether	0	
7/3/2018	Well 16	Ethyl tert-Butyl Ether (ETBE)	0	µg/L
7/3/2018	Well 16	Ethylbenzene	0	µg/L
7/3/2018	Well 16	Ethylene Dibromide (EDB)	0	µg/L
7/3/2018	Well 16	Fluoride (F)	0.35	mg/L
7/3/2018	Well 16	Hexachlorobutadiene	0	µg/L
7/3/2018	Well 16	Hydroxide (OH)	0	mg/L
7/3/2018	Well 16	Iron (Fe)	110	µg/L
7/3/2018	Well 16	Isopropylbenzene (Cumene)	0	µg/L
7/3/2018	Well 16	Lab Turbidity	0.17	NTU
7/3/2018	Well 16	Langelier Index	1.03	
7/3/2018	Well 16	Langlier Index at source temperature	0.515	Deg C
7/3/2018	Well 16	Lead (Pb)	1.2	µg/L
7/3/2018	Well 16	m,p-Xylene	0	µg/L
7/3/2018	Well 16	Magnesium (Mg)	11.7	mg/L
7/3/2018	Well 16	Manganese (Mn)	2.8	µg/L
7/3/2018	Well 16	Mercury (Hg)	0	µg/L
7/3/2018	Well 16	Methyl tert-Butyl Ether (MTBE)	0	µg/L
7/3/2018	Well 16	Methylene Blue Active Subs. (MBAS)	0	µg/L
7/3/2018	Well 16	Monochlorobenzene (Chlorobenzene)	0	µg/L
7/3/2018	Well 16	Naphthalene	0	µg/L
7/3/2018	Well 16	n-Butylbenzene	0	µg/L
7/3/2018	Well 16	n-Butylbenzene	1.1	µg/L
7/3/2018	Well 16	Nitrate & Nitrite as Nitrogen (N)	16000	µg/L
7/3/2018	Well 16	Nitrate as N (NO3-N)	16	mg/L
7/3/2018	Well 16	Nitrite (as N)	0	µg/L
7/3/2018	Well 16	n-Propylbenzene	0	µg/L
7/3/2018	Well 16	Odor Threshold at 60 C	1	TON
7/3/2018	Well 16	o-Xylene	0	µg/L
7/3/2018	Well 16	PH (Laboratory)	7.86	Standard Units
7/3/2018	Well 16	p-Isopropyltoluene	0	µg/L
7/3/2018	Well 16	Potassium (K)	2.1	mg/L
7/3/2018	Well 16	sec-Butylbenzene	0	µg/L
7/3/2018	Well 16	Selenium (Se)	0	µg/L
7/3/2018	Well 16	Silver (Ag)	0	µg/L
7/3/2018	Well 16	Sodium (Na)	15	mg/L
7/3/2018	Well 16	Specific Conductance (E.C.)	600	umhos/cm
7/3/2018	Well 16	Styrene	0	µg/L
7/3/2018	Well 16	Sulfate (SO4)	46	mg/L
7/3/2018	Well 16	tert-Amyl Methyl Ether (TAME)	0	µg/L
7/3/2018	Well 16	tert-Butylbenzene	0	µg/L
7/3/2018	Well 16	Tetrachloroethylene (PCE)	0	µg/L
7/3/2018	Well 16	Thallium (Tl)	0	µg/L
7/3/2018	Well 16	Toluene	0	µg/L
7/3/2018	Well 16	Total Alkalinity (as CaCO3)	160	mg/L
7/3/2018	Well 16	Total Filterable Residue/TDS	410	mg/L

Sample Date	Location	Constituent	Results	Units
7/3/2018	Well 16	Total Hardness (as CaCO <sub>3</sub> )	247	mg/L
7/3/2018	Well 16	Total Trihalomethanes (TTHM)	0	µg/L
7/3/2018	Well 16	Total Xylenes (m,p & o)	0	µg/L
7/3/2018	Well 16	trans-1,2-Dichloroethylene (t-1,2-DCE)	0	µg/L
7/3/2018	Well 16	trans-1,3-Dichloropropene	0	µg/L
7/3/2018	Well 16	Trichloroethylene (TCE)	0	µg/L
7/3/2018	Well 16	Trichlorofluoromethane (Freon 11)	0	µg/L
7/3/2018	Well 16	Trichlorotrifluoroethane (Freon 113)	0	µg/L
7/3/2018	Well 16	Vinyl Chloride (VC)	0	µg/L
7/3/2018	Well 16	Zinc (Zn)	0	µg/L
8/22/2018	Well 16	1,2,3-Trichloropropane	0	µg/L
8/22/2018	Well 16	Total Filterable Residue/TDS	440	mg/L
11/27/2018	Well 16	1,2,3-Trichloropropane	0	µg/L
11/21/2019	Well 16	Dibromochloropropane (DBCP)	0	µg/L
11/21/2019	Well 16	E. Coli Bacteria (P/A)	0	p/a
11/21/2019	Well 16	Nitrate as N (NO <sub>3</sub> -N)	12	mg/L
11/21/2019	Well 16	Nitrate as N (NO <sub>3</sub> -N)	12	mg/L
11/21/2019	Well 16	Nitrate as N (NO <sub>3</sub> -N)	13	mg/L
11/21/2019	Well 16	Total Alpha	1.9	pCi/L
11/21/2019	Well 16	Total Alpha	6.81	pCi/L
11/21/2019	Well 16	Total Coliform (P/A)	0	p/a
4/7/2020	Well 16	Chlorine Residual (free)	0.56	mg/L
4/7/2020	Well 16	Dibromochloropropane (DBCP)	0	µg/L
4/7/2020	Well 16	Nitrate as N (NO <sub>3</sub> -N)	13	mg/L
4/28/2020	Well 16	Dibromochloropropane (DBCP)	0	µg/L
4/28/2020	Well 16	E. Coli Bacteria (P/A)	0	p/a
4/28/2020	Well 16	Nitrate as N (NO <sub>3</sub> -N)	11	mg/L
4/28/2020	Well 16	Total Coliform (P/A)	0	p/a
4/28/2020	Well 16	Total Filterable Residue/TDS	360	mg/L
5/27/2020	Well 16	Dibromochloropropane (DBCP)	0	µg/L
5/27/2020	Well 16	E. Coli Bacteria (P/A)	0	p/a
5/27/2020	Well 16	Nitrate as N (NO <sub>3</sub> -N)	11	mg/L
5/27/2020	Well 16	Total Coliform (P/A)	0	p/a

Sample Date	Location	Constituent	Results	Units
1/2/2018	Well 19	Dibromochloropropane (DBCP)	0.16	µg/L
1/2/2018	Well 19	E. Coli Bacteria (P/A)	0	p/a
1/2/2018	Well 19	Nitrate as N (NO3-N)	6	mg/L
1/2/2018	Well 19	Total Coliform (P/A)	0	p/a
2/7/2018	Well 19	E. Coli Bacteria (P/A)	0	p/a
2/7/2018	Well 19	Total Coliform (P/A)	0	p/a
2/22/2018	Well 19	1,2,3-Trichloropropane	0	µg/L
3/7/2018	Well 19	E. Coli Bacteria (P/A)	0	p/a
3/7/2018	Well 19	Total Coliform (P/A)	0	p/a
3/20/2018	Well 19	Dibromochloropropane (DBCP)	0.18	µg/L
3/20/2018	Well 19	Nitrate as N (NO3-N)	6.6	mg/L
3/26/2018	Well 19	Dibromochloropropane (DBCP)	0.32	µg/L
3/26/2018	Well 19	Nitrate as N (NO3-N)	13	mg/L
4/2/2018	Well 19	Dibromochloropropane (DBCP)	0.18	µg/L
4/2/2018	Well 19	E. Coli Bacteria (P/A)	0	p/a
4/2/2018	Well 19	Nitrate as N (NO3-N)	7.9	mg/L
4/2/2018	Well 19	Total Coliform (P/A)	0	p/a
4/9/2018	Well 19	Dibromochloropropane (DBCP)	0.21	µg/L
4/9/2018	Well 19	Nitrate as N (NO3-N)	8.4	mg/L
4/16/2018	Well 19	Dibromochloropropane (DBCP)	0.18	µg/L
4/16/2018	Well 19	Nitrate as N (NO3-N)	5.6	mg/L
4/23/2018	Well 19	Dibromochloropropane (DBCP)	0.15	µg/L
4/23/2018	Well 19	Nitrate as N (NO3-N)	8.1	mg/L
4/30/2018	Well 19	Dibromochloropropane (DBCP)	0.18	µg/L
4/30/2018	Well 19	Nitrate as N (NO3-N)	8.5	mg/L
5/7/2018	Well 19	Dibromochloropropane (DBCP)	0.17	µg/L
5/7/2018	Well 19	E. Coli Bacteria (P/A)	0	p/a
5/7/2018	Well 19	Nitrate as N (NO3-N)	5.3	mg/L
5/7/2018	Well 19	Total Coliform (P/A)	0	p/a
5/16/2018	Well 19	1,2,3-Trichloropropane	0	µg/L
6/4/2018	Well 19	E. Coli Bacteria (P/A)	0	p/a
6/4/2018	Well 19	Total Coliform (P/A)	0	p/a
6/20/2018	Well 19	1,1,1,2-Tetrachloroethane	0	µg/L
6/20/2018	Well 19	1,1,1-Trichloroethane (1,1,1-TCA)	0	µg/L
6/20/2018	Well 19	1,1,2,2-Tetrachloroethane	0	µg/L
6/20/2018	Well 19	1,1,2-Trichloroethane (1,1,2-TCA)	0	µg/L
6/20/2018	Well 19	1,1-Dichloroethane (1,1-DCA)	0	µg/L
6/20/2018	Well 19	1,1-Dichloropropene	0	µg/L
6/20/2018	Well 19	1,2,3-Trichlorobenzene	0	µg/L
6/20/2018	Well 19	1,2,4-Trichlorobenzene	0	µg/L
6/20/2018	Well 19	1,2,4-Trimethylbenzene	0	µg/L
6/20/2018	Well 19	1,2-Dichlorobenzene (o-DCB)	0	µg/L
6/20/2018	Well 19	1,2-Dichloroethane (1,2-DCA)	0	µg/L
6/20/2018	Well 19	1,2-Dichloropropane	0	µg/L
6/20/2018	Well 19	1,3,5-Trimethylbenzene	0	µg/L
6/20/2018	Well 19	1,3-Dichlorobenzene (m-DCB)	0	µg/L
6/20/2018	Well 19	1,3-Dichloropropane	0	µg/L
6/20/2018	Well 19	1,3-Dichloropropene	0	µg/L
6/20/2018	Well 19	1,4-Dichlorobenzene (p-DCB)	0	µg/L
6/20/2018	Well 19	2,2-Dichloropropane	0	µg/L
6/20/2018	Well 19	2-Butanone (MEK)	0	
6/20/2018	Well 19	2-Chloroethylvinyl Ether	0	µg/L
6/20/2018	Well 19	2-Chlorotoluene	0	µg/L
6/20/2018	Well 19	2-Hexanone	0	µg/L
6/20/2018	Well 19	4-Chlorotoluene	0	µg/L
6/20/2018	Well 19	4-Methyl-2-Pentanone (MIBK)	0	
6/20/2018	Well 19	Aluminum (Al)	0	µg/L

Sample Date	Location	Constituent	Results	Units
6/20/2018	Well 19	Anion Sum	4	
6/20/2018	Well 19	Antimony (Sb)	0	µg/L
6/20/2018	Well 19	Apparent Color (Unfiltered)	0	Units
6/20/2018	Well 19	Arsenic (As)	1.1	µg/L
6/20/2018	Well 19	Barium (Ba)	44	µg/L
6/20/2018	Well 19	Benzene	0	µg/L
6/20/2018	Well 19	Beryllium (Be)	0	µg/L
6/20/2018	Well 19	Bicarbonate (HCO3)	200	mg/L
6/20/2018	Well 19	Bromobenzene	0	µg/L
6/20/2018	Well 19	Bromochloromethane	0	µg/L
6/20/2018	Well 19	Bromodichloromethane	0	µg/L
6/20/2018	Well 19	Bromoform	0	µg/L
6/20/2018	Well 19	Bromomethane (Methyl Bromide)	0	µg/L
6/20/2018	Well 19	Cadmium (Cd)	0	µg/L
6/20/2018	Well 19	Calcium (Ca)	66.1	mg/L
6/20/2018	Well 19	Carbon Tetrachloride	0	µg/L
6/20/2018	Well 19	Carbonate (CO3)	0	mg/L
6/20/2018	Well 19	Cation Sum	4.5	
6/20/2018	Well 19	Chloride (Cl)	7.1	mg/L
6/20/2018	Well 19	Chloroethane	0	µg/L
6/20/2018	Well 19	Chloroform	0	µg/L
6/20/2018	Well 19	Chloromethane (Methyl Chloride)	0	µg/L
6/20/2018	Well 19	Chromium (Total Cr)	0.4	µg/L
6/20/2018	Well 19	cis-1,2-Dichloroethylene (c-1,2-DCE)	0	µg/L
6/20/2018	Well 19	cis-1,3-Dichloropropene	0	µg/L
6/20/2018	Well 19	Copper (Cu)	4.5	µg/L
6/20/2018	Well 19	Cyanide (CN)	0	µg/L
6/20/2018	Well 19	Dibromochloromethane	0	µg/L
6/20/2018	Well 19	Dibromochloropropane (DBCP)	0.18	µg/L
6/20/2018	Well 19	Dibromomethane	0	µg/L
6/20/2018	Well 19	Dichlorodifluoromethane	0	µg/L
6/20/2018	Well 19	Di-isopropyl ether	0	
6/20/2018	Well 19	Ethyl tert-Butyl Ether (ETBE)	0	µg/L
6/20/2018	Well 19	Ethylbenzene	0	µg/L
6/20/2018	Well 19	Ethylene Dibromide (EDB)	0	µg/L
6/20/2018	Well 19	Fluoride (F)	0.33	mg/L
6/20/2018	Well 19	Hexachlorobutadiene	0	µg/L
6/20/2018	Well 19	Hydroxide (OH)	0	mg/L
6/20/2018	Well 19	Iron (Fe)	45	µg/L
6/20/2018	Well 19	Isopropylbenzene (Cumene)	0	µg/L
6/20/2018	Well 19	Lab Turbidity	0	NTU
6/20/2018	Well 19	Langelier Index	1.05	
6/20/2018	Well 19	Langlier Index at source temperature	0.526	Deg C
6/20/2018	Well 19	Lead (Pb)	0.56	µg/L
6/20/2018	Well 19	m,p-Xylene	0	µg/L
6/20/2018	Well 19	Magnesium (Mg)	8.98	mg/L
6/20/2018	Well 19	Manganese (Mn)	0.72	µg/L
6/20/2018	Well 19	Mercury (Hg)	0	µg/L
6/20/2018	Well 19	Methyl tert-Butyl Ether (MTBE)	0	µg/L
6/20/2018	Well 19	Methylene Blue Active Subs. (MBAS)	0	µg/L

Sample Date	Location	Constituent	Results	Units
6/20/2018	Well 19	Monochlorobenzene (Chlorobenzene)	0	µg/L
6/20/2018	Well 19	Naphthalene	0	µg/L
6/20/2018	Well 19	n-Butylbenzene	0	µg/L
6/20/2018	Well 19	n-Butylbenzene	1.8	µg/L
6/20/2018	Well 19	Nitrate & Nitrite as Nitrogen (N)	6700	µg/L
6/20/2018	Well 19	Nitrate as N (NO3-N)	6.7	mg/L
6/20/2018	Well 19	Nitrite (as N)	0	µg/L
6/20/2018	Well 19	n-Propylbenzene	0	µg/L
6/20/2018	Well 19	Odor Threshold at 60 C	1	TON
6/20/2018	Well 19	o-Xylene	0	µg/L
6/20/2018	Well 19	PH (Laboratory)	7.91	Units
6/20/2018	Well 19	p-Isopropyltoluene	0	µg/L
6/20/2018	Well 19	Potassium (K)	1.8	mg/L
6/20/2018	Well 19	sec-Butylbenzene	0	µg/L
6/20/2018	Well 19	Selenium (Se)	0	µg/L
6/20/2018	Well 19	Silver (Ag)	0	µg/L
6/20/2018	Well 19	Sodium (Na)	11	mg/L
6/20/2018	Well 19	Specific Conductance (E.C.)	430	umhos/cm
6/20/2018	Well 19	Styrene	0	µg/L
6/20/2018	Well 19	Sulfate (SO4)	27	mg/L
6/20/2018	Well 19	tert-Amyl Methyl Ether (TAME)	0	µg/L
6/20/2018	Well 19	tert-Butylbenzene	0	µg/L
6/20/2018	Well 19	Tetrachloroethylene (PCE)	0	µg/L
6/20/2018	Well 19	Thallium (Tl)	0	µg/L
6/20/2018	Well 19	Toluene	0	µg/L
6/20/2018	Well 19	Total Alkalinity (as CaCO3)	160	mg/L
6/20/2018	Well 19	Total Filterable Residue/TDS	260	mg/L
6/20/2018	Well 19	Total Hardness (as CaCO3)	202	mg/L
6/20/2018	Well 19	Total Trihalomethanes (TTHM)	0	µg/L
6/20/2018	Well 19	Total Xylenes (m,p & o)	0	µg/L
6/20/2018	Well 19	trans-1,2-Dichloroethylene (t-1,2-DCE)	0	µg/L
6/20/2018	Well 19	trans-1,3-Dichloropropene	0	µg/L
6/20/2018	Well 19	Trichloroethylene (TCE)	0	µg/L
6/20/2018	Well 19	Trichlorofluoromethane (Freon 11)	0	µg/L
6/20/2018	Well 19	Trichlorotrifluoroethane (Freon 113)	0	µg/L
6/20/2018	Well 19	Vinyl Chloride (VC)	0	µg/L
6/20/2018	Well 19	Zinc (Zn)	0	µg/L
7/2/2018	Well 19	E. Coli Bacteria (P/A)	0	p/a
7/2/2018	Well 19	Total Coliform (P/A)	0	p/a
8/6/2018	Well 19	E. Coli Bacteria (P/A)	0	p/a
8/6/2018	Well 19	Total Coliform (P/A)	0	p/a
8/6/2018	Well 19	Total Filterable Residue/TDS	270	mg/L
8/8/2018	Well 19	Dibromochloropropane (DBCP)	0.18	µg/L
8/8/2018	Well 19	Nitrate as N (NO3-N)	8.6	mg/L
8/13/2018	Well 19	Dibromochloropropane (DBCP)	0.21	µg/L
8/13/2018	Well 19	Nitrate as N (NO3-N)	9.2	mg/L
8/20/2018	Well 19	1,2,3-Trichloropropane	0	µg/L
8/20/2018	Well 19	Dibromochloropropane (DBCP)	0.17	µg/L
8/20/2018	Well 19	Nitrate as N (NO3-N)	9.4	mg/L
9/4/2018	Well 19	E. Coli Bacteria (P/A)	0	p/a
9/4/2018	Well 19	Total Coliform (P/A)	0	p/a
10/1/2018	Well 19	E. Coli Bacteria (P/A)	0	p/a

Sample Date	Location	Constituent	Results	Units
10/1/2018	Well 19	Total Coliform (P/A)	0	p/a
11/5/2018	Well 19	1,2,3-Trichloropropane	0	µg/L
11/5/2018	Well 19	E. Coli Bacteria (P/A)	0	p/a
11/5/2018	Well 19	Total Coliform (P/A)	0	p/a
12/19/2018	Well 19	E. Coli Bacteria (P/A)	0	p/a
12/19/2018	Well 19	Total Coliform (P/A)	0	p/a
1/7/2019	Well 19	Dibromochloropropane (DBCP)	0.18	µg/L
1/7/2019	Well 19	E. Coli Bacteria (P/A)	0	p/a
1/7/2019	Well 19	Nitrate as N (NO3-N)	5.7	mg/L
1/7/2019	Well 19	Total Coliform (P/A)	0	p/a
2/21/2019	Well 19	Dibromochloropropane (DBCP)	0.05	µg/L
2/21/2019	Well 19	E. Coli Bacteria (P/A)	0	p/a
2/21/2019	Well 19	Nitrate as N (NO3-N)	2.7	mg/L
2/21/2019	Well 19	Total Coliform (P/A)	0	p/a
3/18/2019	Well 19	Dibromochloropropane (DBCP)	0.017	µg/L
3/18/2019	Well 19	E. Coli Bacteria (P/A)	0	p/a
3/18/2019	Well 19	Nitrate as N (NO3-N)	2	mg/L
3/18/2019	Well 19	Total Coliform (P/A)	0	p/a
4/29/2019	Well 19	Dibromochloropropane (DBCP)	0.038	µg/L
4/29/2019	Well 19	E. Coli Bacteria (P/A)	0	p/a
4/29/2019	Well 19	Nitrate as N (NO3-N)	2.9	mg/L
4/29/2019	Well 19	Total Coliform (P/A)	0	p/a
5/13/2019	Well 19	Dibromochloropropane (DBCP)	0.17	µg/L
5/13/2019	Well 19	E. Coli Bacteria (P/A)	0	p/a
5/13/2019	Well 19	Nitrate as N (NO3-N)	7.5	mg/L
5/13/2019	Well 19	Total Coliform (P/A)	0	p/a
5/22/2019	Well 19	Dibromochloropropane (DBCP)	0.16	µg/L
5/22/2019	Well 19	Nitrate as N (NO3-N)	6	mg/L
5/22/2019	Well 19	Perchlorate (Low Level)	0	µg/L
7/25/2019	Well 19	Dibromochloropropane (DBCP)	0.021	µg/L
7/25/2019	Well 19	E. Coli Bacteria (P/A)	0	p/a
7/25/2019	Well 19	Nitrate as N (NO3-N)	2.9	mg/L
7/25/2019	Well 19	Perchlorate (Low Level)	0	µg/L
7/25/2019	Well 19	Total Alpha	4.04	pCi/L
7/25/2019	Well 19	Total Coliform (P/A)	0	p/a
8/19/2019	Well 19	Dibromochloropropane (DBCP)	0.018	µg/L
8/19/2019	Well 19	E. Coli Bacteria (P/A)	0	p/a
8/19/2019	Well 19	Nitrate as N (NO3-N)	2.7	mg/L
8/19/2019	Well 19	Total Coliform (P/A)	0	p/a
8/19/2019	Well 19	Total Filterable Residue/TDS	240	mg/L
10/15/2019	Well 19	Dibromochloropropane (DBCP)	0.01	µg/L
10/15/2019	Well 19	E. Coli Bacteria (P/A)	0	p/a
10/15/2019	Well 19	Nitrate as N (NO3-N)	2	mg/L
10/15/2019	Well 19	Total Coliform (P/A)	0	p/a
11/21/2019	Well 19	Dibromochloropropane (DBCP)	0	µg/L
11/21/2019	Well 19	E. Coli Bacteria (P/A)	0	p/a
11/21/2019	Well 19	Nitrate as N (NO3-N)	2	mg/L
11/21/2019	Well 19	Total Coliform (P/A)	0	p/a
12/10/2019	Well 19	Dibromochloropropane (DBCP)	0.015	µg/L
12/10/2019	Well 19	E. Coli Bacteria (P/A)	0	p/a
12/10/2019	Well 19	Nitrate as N (NO3-N)	2.3	mg/L
12/10/2019	Well 19	Total Coliform (P/A)	0	p/a
1/28/2020	Well 19	Dibromochloropropane (DBCP)	0	µg/L
1/28/2020	Well 19	E. Coli Bacteria (P/A)	0	p/a
1/28/2020	Well 19	Nitrate as N (NO3-N)	1.8	mg/L
1/28/2020	Well 19	Total Coliform (P/A)	0	p/a
2/25/2020	Well 19	Dibromochloropropane (DBCP)	0	µg/L

Sample Date	Location	Constituent	Results	Units
2/25/2020	Well 19	E. Coli Bacteria (P/A)	0	p/a
2/25/2020	Well 19	Nitrate as N (NO3-N)	1.4	mg/L
2/25/2020	Well 19	Total Coliform (P/A)	0	p/a
3/10/2020	Well 19	Dibromochloropropane (DBCP)	0	µg/L
3/10/2020	Well 19	E. Coli Bacteria (P/A)	0	p/a
3/10/2020	Well 19	Nitrate as N (NO3-N)	1.5	mg/L
3/10/2020	Well 19	Total Coliform (P/A)	0	p/a
3/17/2020	Well 19	Dibromochloropropane (DBCP)	0.029	µg/L
3/17/2020	Well 19	Nitrate as N (NO3-N)	4.9	mg/L
4/7/2020	Well 19	Dibromochloropropane (DBCP)	0	µg/L
4/7/2020	Well 19	E. Coli Bacteria (P/A)	0	p/a
4/7/2020	Well 19	Nitrate as N (NO3-N)	2.4	mg/L
4/7/2020	Well 19	Total Coliform (P/A)	0	p/a
5/5/2020	Well 19	Dibromochloropropane (DBCP)	0.014	µg/L
5/5/2020	Well 19	E. Coli Bacteria (P/A)	0	p/a
5/5/2020	Well 19	Nitrate as N (NO3-N)	3.3	mg/L
5/5/2020	Well 19	Total Coliform (P/A)	0	p/a
5/5/2020	Well 19	Total Filterable Residue/TDS	250	mg/L
5/12/2020	Well 19	Dibromochloropropane (DBCP)	0.038	µg/L
5/12/2020	Well 19	Nitrate as N (NO3-N)	6.8	mg/L
5/19/2020	Well 19	Dibromochloropropane (DBCP)	0.064	µg/L
5/19/2020	Well 19	Nitrate as N (NO3-N)	7.3	mg/L
5/27/2020	Well 19	Dibromochloropropane (DBCP)	0.077	µg/L
5/27/2020	Well 19	Nitrate as N (NO3-N)	7.4	mg/L
6/2/2020	Well 19	Dibromochloropropane (DBCP)	0.079	µg/L
6/2/2020	Well 19	E. Coli Bacteria (P/A)	0	p/a
6/2/2020	Well 19	Nitrate as N (NO3-N)	7.5	mg/L
6/2/2020	Well 19	Total Coliform (P/A)	0	p/a
6/9/2020	Well 19	Dibromochloropropane (DBCP)	0.093	µg/L

Sample Date	Location	Constituent	Results	Units
1/2/2018	Well 24	Dibromochloropropane (DBCP)	0.064	µg/L
1/2/2018	Well 24	E. Coli Bacteria (P/A)	0	p/a
1/2/2018	Well 24	Nitrate as N (NO3-N)	7.3	mg/L
1/2/2018	Well 24	Total Coliform (P/A)	0	p/a
1/8/2018	Well 24	Dibromochloropropane (DBCP)	0.075	µg/L
1/8/2018	Well 24	Nitrate as N (NO3-N)	7.3	mg/L
1/16/2018	Well 24	Dibromochloropropane (DBCP)	0.052	µg/L
1/16/2018	Well 24	Nitrate as N (NO3-N)	6.9	mg/L
1/22/2018	Well 24	Dibromochloropropane (DBCP)	0.03	µg/L
1/22/2018	Well 24	Nitrate as N (NO3-N)	5.2	mg/L
1/29/2018	Well 24	Dibromochloropropane (DBCP)	0.05	µg/L
1/29/2018	Well 24	Nitrate as N (NO3-N)	6.8	mg/L
2/5/2018	Well 24	Dibromochloropropane (DBCP)	0.066	µg/L
2/5/2018	Well 24	E. Coli Bacteria (P/A)	0	p/a
2/5/2018	Well 24	Nitrate as N (NO3-N)	7	mg/L
2/5/2018	Well 24	Total Coliform (P/A)	0	p/a
2/12/2018	Well 24	Dibromochloropropane (DBCP)	0.062	µg/L
2/12/2018	Well 24	Nitrate as N (NO3-N)	7	mg/L
2/20/2018	Well 24	Dibromochloropropane (DBCP)	0.057	µg/L
2/20/2018	Well 24	Nitrate as N (NO3-N)	7	mg/L
2/26/2018	Well 24	Dibromochloropropane (DBCP)	0.062	µg/L
2/26/2018	Well 24	Nitrate as N (NO3-N)	7	mg/L
3/5/2018	Well 24	Dibromochloropropane (DBCP)	0.054	µg/L
3/5/2018	Well 24	E. Coli Bacteria (P/A)	0	p/a
3/5/2018	Well 24	Nitrate as N (NO3-N)	6.7	mg/L
3/5/2018	Well 24	Total Coliform (P/A)	0	p/a
3/12/2018	Well 24	Dibromochloropropane (DBCP)	0.058	µg/L
3/12/2018	Well 24	Nitrate as N (NO3-N)	6.9	mg/L
3/20/2018	Well 24	1,2,3-Trichloropropane	0	µg/L
3/20/2018	Well 24	Dibromochloropropane (DBCP)	0.053	µg/L
3/20/2018	Well 24	Nitrate as N (NO3-N)	6.9	mg/L
3/26/2018	Well 24	Dibromochloropropane (DBCP)	0.012	µg/L
3/26/2018	Well 24	Nitrate as N (NO3-N)	3.3	mg/L
4/2/2018	Well 24	Dibromochloropropane (DBCP)	0.055	µg/L
4/2/2018	Well 24	E. Coli Bacteria (P/A)	0	p/a
4/2/2018	Well 24	Nitrate as N (NO3-N)	6.6	mg/L
4/2/2018	Well 24	Total Coliform (P/A)	0	p/a
4/9/2018	Well 24	Dibromochloropropane (DBCP)	0.068	µg/L
4/9/2018	Well 24	Nitrate as N (NO3-N)	7	mg/L
4/16/2018	Well 24	Dibromochloropropane (DBCP)	0.078	µg/L
4/16/2018	Well 24	Nitrate as N (NO3-N)	7.3	mg/L
4/23/2018	Well 24	Dibromochloropropane (DBCP)	0.051	µg/L
4/23/2018	Well 24	Nitrate as N (NO3-N)	7.4	mg/L
4/30/2018	Well 24	Dibromochloropropane (DBCP)	0.072	µg/L
4/30/2018	Well 24	Nitrate as N (NO3-N)	7.1	mg/L
5/7/2018	Well 24	Dibromochloropropane (DBCP)	0.076	µg/L
5/7/2018	Well 24	E. Coli Bacteria (P/A)	0	p/a
5/7/2018	Well 24	Nitrate as N (NO3-N)	7.3	mg/L
5/7/2018	Well 24	Total Coliform (P/A)	0	p/a
5/10/2018	Well 24	E. Coli Bacteria (P/A)	0	p/a
5/10/2018	Well 24	Total Coliform (P/A)	0	p/a
5/14/2018	Well 24	Dibromochloropropane (DBCP)	0.064	µg/L
5/14/2018	Well 24	Nitrate as N (NO3-N)	7.7	mg/L
5/16/2018	Well 24	1,2,3-Trichloropropane	0	µg/L
5/21/2018	Well 24	Dibromochloropropane (DBCP)	0.075	µg/L
5/21/2018	Well 24	Nitrate as N (NO3-N)	7.6	mg/L

Sample Date	Location	Constituent	Results	Units
5/30/2018	Well 24	Dibromochloropropane (DBCP)	0.053	µg/L
5/30/2018	Well 24	Nitrate as N (NO3-N)	7.2	mg/L
6/4/2018	Well 24	Dibromochloropropane (DBCP)	0.076	µg/L
6/4/2018	Well 24	E. Coli Bacteria (P/A)	0	p/a
6/4/2018	Well 24	Nitrate as N (NO3-N)	7.7	mg/L
6/4/2018	Well 24	Total Coliform (P/A)	0	p/a
6/11/2018	Well 24	Dibromochloropropane (DBCP)	0.075	µg/L
6/11/2018	Well 24	Nitrate as N (NO3-N)	8	mg/L
6/14/2018	Well 24	E. Coli Bacteria (P/A)	0	p/a
6/14/2018	Well 24	Total Coliform (P/A)	0	p/a
6/18/2018	Well 24	Dibromochloropropane (DBCP)	0.088	µg/L
6/18/2018	Well 24	Nitrate as N (NO3-N)	7.9	mg/L
6/20/2018	Well 24	1,1,1,2-Tetrachloroethane	0	µg/L
6/20/2018	Well 24	1,1,1-Trichloroethane (1,1,1-TCA)	0	µg/L
6/20/2018	Well 24	1,1,2,2-Tetrachloroethane	0	µg/L
6/20/2018	Well 24	1,1,2-Trichloroethane (1,1,2-TCA)	0	µg/L
6/20/2018	Well 24	1,1-Dichloroethane (1,1-DCA)	0	µg/L
6/20/2018	Well 24	1,1-Dichloropropene	0	µg/L
6/20/2018	Well 24	1,2,3-Trichlorobenzene	0	µg/L
6/20/2018	Well 24	1,2,4-Trichlorobenzene	0	µg/L
6/20/2018	Well 24	1,2,4-Trimethylbenzene	0	µg/L
6/20/2018	Well 24	1,2-Dichlorobenzene (o-DCB)	0	µg/L
6/20/2018	Well 24	1,2-Dichloroethane (1,2-DCA)	0	µg/L
6/20/2018	Well 24	1,2-Dichloropropane	0	µg/L
6/20/2018	Well 24	1,3,5-Trimethylbenzene	0	µg/L
6/20/2018	Well 24	1,3-Dichlorobenzene (m-DCB)	0	µg/L
6/20/2018	Well 24	1,3-Dichloropropane	0	µg/L
6/20/2018	Well 24	1,3-Dichloropropene	0	µg/L
6/20/2018	Well 24	1,4-Dichlorobenzene (p-DCB)	0	µg/L
6/20/2018	Well 24	2,2-Dichloropropane	0	µg/L
6/20/2018	Well 24	2-Butanone (MEK)	0	
6/20/2018	Well 24	2-Chloroethylvinyl Ether	0	µg/L
6/20/2018	Well 24	2-Chlorotoluene	0	µg/L
6/20/2018	Well 24	2-Hexanone	0	µg/L
6/20/2018	Well 24	4-Chlorotoluene	0	µg/L
6/20/2018	Well 24	4-Methyl-2-Pentanone (MIBK)	0	
6/20/2018	Well 24	Aluminum (Al)	0	µg/L
6/20/2018	Well 24	Anion Sum	3.5	
6/20/2018	Well 24	Antimony (Sb)	0	µg/L
6/20/2018	Well 24	Apparent Color (Unfiltered) Units	0	Units
6/20/2018	Well 24	Arsenic (As)	1.3	µg/L
6/20/2018	Well 24	Barium (Ba)	43	µg/L
6/20/2018	Well 24	Benzene	0	µg/L
6/20/2018	Well 24	Beryllium (Be)	0	µg/L
6/20/2018	Well 24	Bicarbonate (HCO3)	170	mg/L
6/20/2018	Well 24	Bromobenzene	0	µg/L
6/20/2018	Well 24	Bromochloromethane	0	µg/L
6/20/2018	Well 24	Bromodichloromethane	0	µg/L
6/20/2018	Well 24	Bromoform	0	µg/L
6/20/2018	Well 24	Bromomethane (Methyl Bromide)	0	µg/L
6/20/2018	Well 24	Cadmium (Cd)	0	µg/L
6/20/2018	Well 24	Calcium (Ca)	54.8	mg/L
6/20/2018	Well 24	Carbon Tetrachloride	0	µg/L
6/20/2018	Well 24	Carbonate (CO3)	0	mg/L
6/20/2018	Well 24	Cation Sum	4.1	
6/20/2018	Well 24	Chloride (Cl)	8.5	mg/L

Sample Date	Location	Constituent	Results	Units
6/20/2018	Well 24	Chloroethane	0	µg/L
6/20/2018	Well 24	Chloroform	0	µg/L
6/20/2018	Well 24	Chloromethane (Methyl Chloride)	0	µg/L
6/20/2018	Well 24	Chromium (Total Cr)	0.76	µg/L
6/20/2018	Well 24	cis-1,2-Dichloroethylene (c-1,2-DCE)	0	µg/L
6/20/2018	Well 24	cis-1,3-Dichloropropene	0	µg/L
6/20/2018	Well 24	Copper (Cu)	3	µg/L
6/20/2018	Well 24	Cyanide (CN)	0	µg/L
6/20/2018	Well 24	Dibromochloromethane	0	µg/L
6/20/2018	Well 24	Dibromochloropropane (DBCP)	0.088	µg/L
6/20/2018	Well 24	Dibromomethane	0	µg/L
6/20/2018	Well 24	Dichlorodifluoromethane	0	µg/L
6/20/2018	Well 24	Di-isopropyl ether	0	
6/20/2018	Well 24	Ethyl tert-Butyl Ether (ETBE)	0	µg/L
6/20/2018	Well 24	Ethylbenzene	0	µg/L
6/20/2018	Well 24	Ethylene Dibromide (EDB)	0	µg/L
6/20/2018	Well 24	Fluoride (F)	0.4	mg/L
6/20/2018	Well 24	Hexachlorobutadiene	0	µg/L
6/20/2018	Well 24	Hydroxide (OH)	0	mg/L
6/20/2018	Well 24	Iron (Fe)	0	µg/L
6/20/2018	Well 24	Isopropylbenzene (Cumene)	0	µg/L
6/20/2018	Well 24	Lab Turbidity	0	NTU
6/20/2018	Well 24	Langelier Index	0.834	
6/20/2018	Well 24	Langlier Index at source temperature	0.313	Deg C
6/20/2018	Well 24	Lead (Pb)	0	µg/L
6/20/2018	Well 24	m,p-Xylene	0	µg/L
6/20/2018	Well 24	Magnesium (Mg)	9.31	mg/L
6/20/2018	Well 24	Manganese (Mn)	0	µg/L
6/20/2018	Well 24	Mercury (Hg)	0	µg/L
6/20/2018	Well 24	Methyl tert-Butyl Ether (MTBE)	0	µg/L
6/20/2018	Well 24	Methylene Blue Active Subs. (MBAS)	0	µg/L
6/20/2018	Well 24	Monochlorobenzene (Chlorobenzene)	0	µg/L
6/20/2018	Well 24	Naphthalene	0	µg/L
6/20/2018	Well 24	n-Butylbenzene	0	µg/L
6/20/2018	Well 24	n-Butylbenzene	1.9	µg/L
6/20/2018	Well 24	Nitrate & Nitrite as Nitrogen (N)	7800	µg/L
6/20/2018	Well 24	Nitrate as N (NO3-N)	7.8	mg/L
6/20/2018	Well 24	Nitrite (as N)	0	µg/L
6/20/2018	Well 24	n-Propylbenzene	0	µg/L
6/20/2018	Well 24	Odor Threshold at 60 C	1	TON
6/20/2018	Well 24	o-Xylene	0	µg/L
6/20/2018	Well 24	PH (Laboratory)	7.83	Standard
6/20/2018	Well 24	p-Isopropyltoluene	0	µg/L
6/20/2018	Well 24	Potassium (K)	2	mg/L
6/20/2018	Well 24	sec-Butylbenzene	0	µg/L
6/20/2018	Well 24	Selenium (Se)	0	µg/L
6/20/2018	Well 24	Silver (Ag)	0	µg/L
6/20/2018	Well 24	Sodium (Na)	13	mg/L
6/20/2018	Well 24	Specific Conductance (E.C.)	410	umhos/cm
6/20/2018	Well 24	Styrene	0	µg/L
6/20/2018	Well 24	Sulfate (SO4)	27	mg/L
6/20/2018	Well 24	tert-Amyl Methyl Ether (TAME)	0	µg/L
6/20/2018	Well 24	tert-Butylbenzene	0	µg/L
6/20/2018	Well 24	Tetrachloroethylene (PCE)	0	µg/L
6/20/2018	Well 24	Thallium (TI)	0	µg/L
6/20/2018	Well 24	Toluene	0	µg/L

Sample Date	Location	Constituent	Results	Units
6/20/2018	Well 24	Total Alkalinity (as CaCO3)	140	mg/L
6/20/2018	Well 24	Total Filterable Residue/TDS	240	mg/L
6/20/2018	Well 24	Total Hardness (as CaCO3)	175	mg/L
6/20/2018	Well 24	Total Trihalomethanes (TTHM)	0	µg/L
6/20/2018	Well 24	Total Xylenes (m,p & o)	0	µg/L
6/20/2018	Well 24	trans-1,2-Dichloroethylene (t-1,2-DCE)	0	µg/L
6/20/2018	Well 24	trans-1,3-Dichloropropene	0	µg/L
6/20/2018	Well 24	Trichloroethylene (TCE)	0	µg/L
6/20/2018	Well 24	Trichlorofluoromethane (Freon 11)	0	µg/L
6/20/2018	Well 24	Trichlorotrifluoroethane (Freon 113)	0	µg/L
6/20/2018	Well 24	Vinyl Chloride (VC)	0	µg/L
6/20/2018	Well 24	Zinc (Zn)	0	µg/L
6/25/2018	Well 24	Dibromochloropropane (DBCP)	0.091	µg/L
6/25/2018	Well 24	Nitrate as N (NO3-N)	7.9	mg/L
7/2/2018	Well 24	Dibromochloropropane (DBCP)	0.094	µg/L
7/2/2018	Well 24	E. Coli Bacteria (P/A)	0	p/a
7/2/2018	Well 24	Nitrate as N (NO3-N)	8	mg/L
7/2/2018	Well 24	Total Coliform (P/A)	0	p/a
7/9/2018	Well 24	Dibromochloropropane (DBCP)	0.1	µg/L
7/9/2018	Well 24	Nitrate as N (NO3-N)	8.1	mg/L
7/11/2018	Well 24	E. Coli Bacteria (P/A)	0	p/a
7/11/2018	Well 24	Total Coliform (P/A)	0	p/a
7/16/2018	Well 24	Dibromochloropropane (DBCP)	0.085	µg/L
7/16/2018	Well 24	Nitrate as N (NO3-N)	8	mg/L
7/23/2018	Well 24	Dibromochloropropane (DBCP)	0.079	µg/L
7/23/2018	Well 24	Nitrate as N (NO3-N)	8.2	mg/L
7/30/2018	Well 24	Dibromochloropropane (DBCP)	0.08	µg/L
7/30/2018	Well 24	Nitrate as N (NO3-N)	8.3	mg/L
8/6/2018	Well 24	Total Filterable Residue/TDS	250	mg/L
8/8/2018	Well 24	Dibromochloropropane (DBCP)	0.032	µg/L
8/8/2018	Well 24	Nitrate as N (NO3-N)	5.6	mg/L
8/22/2018	Well 24	1,2,3-Trichloropropane	0	µg/L
8/22/2018	Well 24	E. Coli Bacteria (P/A)	0	p/a
8/22/2018	Well 24	Total Coliform (P/A)	0	p/a
9/4/2018	Well 24	E. Coli Bacteria (P/A)	0	p/a
9/4/2018	Well 24	Total Coliform (P/A)	0	p/a
10/1/2018	Well 24	E. Coli Bacteria (P/A)	0	p/a
10/1/2018	Well 24	Total Coliform (P/A)	0	p/a
11/5/2018	Well 24	1,2,3-Trichloropropane	0	µg/L
11/5/2018	Well 24	E. Coli Bacteria (P/A)	0	p/a
11/5/2018	Well 24	Total Coliform (P/A)	0	p/a
12/10/2018	Well 24	Dibromochloropropane (DBCP)	0	µg/L
12/10/2018	Well 24	Nitrate as N (NO3-N)	4	mg/L
12/17/2018	Well 24	Dibromochloropropane (DBCP)	0	µg/L
12/17/2018	Well 24	E. Coli Bacteria (P/A)	0	p/a
12/17/2018	Well 24	Nitrate as N (NO3-N)	3	mg/L
12/17/2018	Well 24	Total Coliform (P/A)	0	p/a
1/7/2019	Well 24	Dibromochloropropane (DBCP)	0	µg/L
1/7/2019	Well 24	E. Coli Bacteria (P/A)	0	p/a
1/7/2019	Well 24	Nitrate as N (NO3-N)	2.7	mg/L
1/7/2019	Well 24	Total Coliform (P/A)	0	p/a
2/21/2019	Well 24	Dibromochloropropane (DBCP)	0	µg/L
2/21/2019	Well 24	E. Coli Bacteria (P/A)	0	p/a
2/21/2019	Well 24	Nitrate as N (NO3-N)	2.1	mg/L
2/21/2019	Well 24	Total Coliform (P/A)	0	p/a
3/18/2019	Well 24	Dibromochloropropane (DBCP)	0	µg/L

Sample Date	Location	Constituent	Results	Units
3/18/2019	Well 24	E. Coli Bacteria (P/A)	0	p/a
3/18/2019	Well 24	Nitrate as N (NO3-N)	2.1	mg/L
3/18/2019	Well 24	Total Coliform (P/A)	0	p/a
4/29/2019	Well 24	Dibromochloropropane (DBCP)	0	µg/L
4/29/2019	Well 24	E. Coli Bacteria (P/A)	0	p/a
4/29/2019	Well 24	Nitrate as N (NO3-N)	2.2	mg/L
4/29/2019	Well 24	Total Coliform (P/A)	0	p/a
5/13/2019	Well 24	Dibromochloropropane (DBCP)	0	µg/L
5/13/2019	Well 24	E. Coli Bacteria (P/A)	0	p/a
5/13/2019	Well 24	Nitrate as N (NO3-N)	5.3	mg/L
5/13/2019	Well 24	Total Coliform (P/A)	0	p/a
5/20/2019	Well 24	Dibromochloropropane (DBCP)	0	µg/L
5/20/2019	Well 24	Nitrate as N (NO3-N)	2.6	mg/L
8/19/2019	Well 24	Dibromochloropropane (DBCP)	0	µg/L
8/19/2019	Well 24	E. Coli Bacteria (P/A)	0	p/a
8/19/2019	Well 24	Nitrate as N (NO3-N)	2.1	mg/L
8/19/2019	Well 24	Total Coliform (P/A)	0	p/a
8/19/2019	Well 24	Total Filterable Residue/TDS	220	mg/L
9/23/2019	Well 24	Dibromochloropropane (DBCP)	0	µg/L
9/23/2019	Well 24	E. Coli Bacteria (P/A)	0	p/a
9/23/2019	Well 24	Nitrate as N (NO3-N)	2.1	mg/L
9/23/2019	Well 24	Total Alpha	5.91	pCi/L
9/23/2019	Well 24	Total Coliform (P/A)	0	p/a
10/15/2019	Well 24	Dibromochloropropane (DBCP)	0	µg/L
10/15/2019	Well 24	E. Coli Bacteria (P/A)	0	p/a
10/15/2019	Well 24	Nitrate as N (NO3-N)	2.1	mg/L
10/15/2019	Well 24	Total Coliform (P/A)	0	p/a
11/21/2019	Well 24	Dibromochloropropane (DBCP)	0	µg/L
11/21/2019	Well 24	E. Coli Bacteria (P/A)	0	p/a
11/21/2019	Well 24	Nitrate as N (NO3-N)	2.2	mg/L
11/21/2019	Well 24	Total Coliform (P/A)	0	p/a
12/23/2019	Well 24	Dibromochloropropane (DBCP)	0	µg/L
12/23/2019	Well 24	E. Coli Bacteria (P/A)	0	p/a
12/23/2019	Well 24	Nitrate as N (NO3-N)	2.2	mg/L
12/23/2019	Well 24	Total Coliform (P/A)	0	p/a
1/28/2020	Well 24	Dibromochloropropane (DBCP)	0	µg/L
1/28/2020	Well 24	E. Coli Bacteria (P/A)	0	p/a
1/28/2020	Well 24	Nitrate as N (NO3-N)	1.9	mg/L
1/28/2020	Well 24	Total Coliform (P/A)	0	p/a
2/19/2020	Well 24	Dibromochloropropane (DBCP)	0	µg/L
2/19/2020	Well 24	E. Coli Bacteria (P/A)	0	p/a
2/19/2020	Well 24	Nitrate as N (NO3-N)	2	mg/L
2/19/2020	Well 24	Total Coliform (P/A)	0	p/a
3/24/2020	Well 24	Dibromochloropropane (DBCP)	0	µg/L
3/24/2020	Well 24	E. Coli Bacteria (P/A)	0	p/a
3/24/2020	Well 24	Nitrate as N (NO3-N)	1.9	mg/L
3/24/2020	Well 24	Total Coliform (P/A)	0	p/a
4/28/2020	Well 24	Dibromochloropropane (DBCP)	0	µg/L
4/28/2020	Well 24	E. Coli Bacteria (P/A)	0	p/a
4/28/2020	Well 24	Nitrate as N (NO3-N)	3.3	mg/L
4/28/2020	Well 24	Total Coliform (P/A)	0	p/a
4/28/2020	Well 24	Total Filterable Residue/TDS	190	mg/L
5/5/2020	Well 24	Dibromochloropropane (DBCP)	0	µg/L
5/5/2020	Well 24	E. Coli Bacteria (P/A)	0	p/a
5/5/2020	Well 24	Nitrate as N (NO3-N)	4	mg/L
5/5/2020	Well 24	Total Coliform (P/A)	0	p/a

Sample Date	Location	Constituent	Results	Units
5/12/2020	Well 24	Dibromochloropropane (DBCP)	0	µg/L
5/12/2020	Well 24	Nitrate as N (NO3-N)	4.3	mg/L
5/19/2020	Well 24	Dibromochloropropane (DBCP)	0	µg/L
5/19/2020	Well 24	Nitrate as N (NO3-N)	4.6	mg/L
5/27/2020	Well 24	Dibromochloropropane (DBCP)	0	µg/L
5/27/2020	Well 24	Nitrate as N (NO3-N)	4.9	mg/L
6/2/2020	Well 24	Dibromochloropropane (DBCP)	0	µg/L
6/2/2020	Well 24	E. Coli Bacteria (P/A)	0	p/a
6/2/2020	Well 24	Nitrate as N (NO3-N)	4.9	mg/L
6/2/2020	Well 24	Total Coliform (P/A)	0	p/a
6/9/2020	Well 24	Dibromochloropropane (DBCP)	0	µg/L

# CHINO BASIN WATERMASTER

- I. CONSENT CALENDAR (AP & OAP)
- H. APPLICATION: RECHARGE

- I. BUSINESS ITEMS – ROUTINE (ONAP)
- H. APPLICATION: RECHARGE



# CHINO BASIN WATERMASTER

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**PETER KAVOUNAS, P.E.**  
General Manager

## STAFF REPORT

DATE: July 9, 2020  
TO: AP/ONAP/OAP Members  
SUBJECT: Application for Recharge - Fontana Water Company (Vulcan)  
(Consent Calendar Item I.H.)

### SUMMARY:

Issue: On June 19, 2020 Fontana Water Company submitted an Application for Recharge for up to 300 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

**Appropriative Pool – July 09, 2020:** Advice and Assistance  
**Non-Agricultural Pool – July 09, 2020:** Advice and Assistance  
**Agricultural Pool – July 09, 2020:** Advice and Assistance  
**Advisory Committee – September 17, 2020:** Advice and Assistance  
**Watermaster Board – September 24, 2020:** Approval [Within WM Duties and Powers]

---

### ACTIONS:

**Appropriative Pool – July 09, 2020:**  
**Non-Agricultural Pool – July 09, 2020:**  
**Agricultural Pool – July 09, 2020:**  
**Advisory Committee – September 17, 2020:**  
**Watermaster Board – September 24, 2020:**

*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 19, 2020, Fontana Water Company (FWC) submitted an Application for Recharge for up to 300 acre-feet, valid from September 1, 2020 and expiring September 1, 2021. 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.

If approved, FWC intends to recharge the water into 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 June 23, 2020, which states that there will be no Material Physical Injury from the proposed Application for the recharge of treated Lytle Creek Surface Water (Attachment 2). 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 and to improve the berm system used to constrain the recharge area. 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 19, 2020
2. June 23, 2020 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 19, 2020 (hereafter June 19, 2020 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 19, 2020

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

Subject: Fiscal Year 2020/2021 Recharge Application -  
Fontana Water Company

Dear Mr. Kavounas:

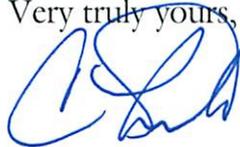
Enclosed herewith is Fontana Water Company's Application for Recharge dated June 19, 2020.

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 2020-2021 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 I. Fealy, P.E.  
Water Resources Manager

CIF:bf

Enclosure

ACKNOWLEDGEMENT

Receipt of this letter and enclosure is hereby acknowledged.

CHINO BASIN WATERMASTER

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

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

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

COPY

# FONTANA WATER COMPANY

A DIVISION OF SAN GABRIEL VALLEY WATER COMPANY

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

June 19, 2020

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Subject: Fiscal Year 2020/2021 Recharge Application -  
Fontana Water Company

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

CIF:bf

Enclosure

ACKNOWLEDGEMENT

Receipt of this letter and enclosure is hereby acknowledged.

CHINO BASIN WATERMASTER

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

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

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

## Form 2a - Application for Supplemental Water Recharge

Applicant Information and Recharge Request			
Person	Fontana Water Company (FWC)	Date Requested	6/19/2020
Contact (individual)	Cris Fealy	Date Approved	
Street Address	15966 Arrow Route	Proposed Period of Time Covered by Recharge Application (mm/yyyy to mm/yyyy)	09/2020 to 09/2021
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 12/17/2020 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: 0A13042

Report Date: 2/03/2020

Received Date: 1/13/2020

Project: 3076- 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 1/13/2020 with the Chain-of-Custody document. The samples were received in good condition, at 5.4 °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, RegID: 3610041-076  
0A13042-01 (Water)

Sampled: 01/13/20 11:30 by John Catone

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: _Various	Batch ID: [CALC]	Instr: [CALC]	Prepared: 01/15/20 12:21			Analyst: jna	
Total Anions	3.6		0.070	meq/l	1	01/15/20	
Total Cations	3.6		0.038	meq/l	1	01/15/20	
Total hardness as CaCO3	127		0.662	mg/l	1	01/15/20	
Method: AWWA	Batch ID: WOA0763	Instr: _ANALYST	Prepared: 01/16/20 09:25			Analyst: aln	
Aggressive Index	11.9			N/A	1	01/23/20	
Method: EPA 140.1	Batch ID: WOA0576	Instr: WB05	Prepared: 01/13/20 16:42			Analyst: blg	
Threshold Odor Number	1.0		1.0	T.O.N.	1	01/13/20 18:10	
Method: EPA 180.1	Batch ID: WOA0585	Instr: TURB01	Prepared: 01/13/20 17:18			Analyst: SBN	
Turbidity	ND		0.10	NTU	1	01/13/20 17:57	
Method: EPA 200.7	Batch ID: WOA0714	Instr: ICP03	Prepared: 01/15/20 12:21			Analyst: kvm	
Boron, Total	79		10	ug/l	1	01/15/20	
Calcium, Total	36.4		0.100	mg/l	1	01/15/20	
Iron, Total	ND		10	ug/l	1	01/15/20	
Magnesium, Total	8.73		0.100	mg/l	1	01/15/20	
Potassium, Total	2.5		0.10	mg/l	1	01/15/20	
Sodium, Total	24		0.50	mg/l	1	01/15/20	
Method: EPA 200.8	Batch ID: WOA1160	Instr: ICPMS04	Prepared: 01/23/20 11:26			Analyst: CWC	
Aluminum, Total	39		5.0	ug/l	1	01/27/20	
Antimony, Total	ND		0.50	ug/l	1	01/27/20	
Arsenic, Total	0.46		0.40	ug/l	1	01/27/20	
Barium, Total	24		0.50	ug/l	1	01/27/20	



WECK LABORATORIES, INC.

# Certificate of Analysis

FINAL REPORT

## Sample Results

(Continued)

Sample: 3076- Sandhill-Treated, RegID: 3610041-076

Sampled: 01/13/20 11:30 by John Catone

0A13042-01 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
<b>Method: EPA 200.8 (Continued)</b>	<b>Batch ID: W0A1160</b>	<b>Instr: ICPMS04</b>	<b>Prepared: 01/23/20 11:26</b>			<b>Analyst: CWC</b>	
Beryllium, Total	ND		0.10	ug/l	1	01/27/20	
Cadmium, Total	ND		0.10	ug/l	1	01/27/20	
Chromium, Total	ND		0.20	ug/l	1	01/27/20	
Copper, Total	0.88		0.50	ug/l	1	01/28/20	
Lead, Total	ND		0.20	ug/l	1	01/28/20	
Manganese, Total	0.22		0.20	ug/l	1	01/27/20	
Nickel, Total	ND		0.80	ug/l	1	01/27/20	
Selenium, Total	ND		0.40	ug/l	1	01/27/20	
Silver, Total	ND		0.20	ug/l	1	01/27/20	
Thallium, Total	ND		0.20	ug/l	1	01/27/20	
Zinc, Total	ND		5.0	ug/l	1	01/27/20	
<b>Method: EPA 245.1</b>	<b>Batch ID: W0A0884</b>	<b>Instr: hg03</b>	<b>Prepared: 01/20/20 10:18</b>			<b>Analyst: dec</b>	
Mercury, Total	ND		0.050	ug/l	1	01/21/20	
<b>Method: EPA 300.0</b>	<b>Batch ID: W0A0595</b>	<b>Instr: LC12</b>	<b>Prepared: 01/14/20 08:38</b>			<b>Analyst: jna</b>	
Chloride, Total	31		0.50	mg/l	1	01/15/20	
Fluoride, Total	0.14		0.10	mg/l	1	01/15/20	
Sulfate as SO4	30		0.50	mg/l	1	01/15/20	
<b>Method: EPA 314.0</b>	<b>Batch ID: W0A0544</b>	<b>Instr: LC08</b>	<b>Prepared: 01/13/20 12:59</b>			<b>Analyst: jna</b>	
Perchlorate	ND	0.84	2.0	ug/l	1	01/14/20	
<b>Method: EPA 335.4</b>	<b>Batch ID: W0A0747</b>	<b>Instr: AA01</b>	<b>Prepared: 01/15/20 18:02</b>			<b>Analyst: SAR</b>	
Cyanide, Total	ND		5.0	ug/l	1	01/20/20	
<b>Method: EPA 353.2</b>	<b>Batch ID: W0A0549</b>	<b>Instr: AA01</b>	<b>Prepared: 01/13/20 13:17</b>			<b>Analyst: sar</b>	
Nitrate as N	0.60		0.20	mg/l	1	01/14/20 13:13	
Nitrite as N	ND		100	ug/l	1	01/14/20 13:13	
NO2+NO3 as N	600		200	ug/l	1	01/14/20	
<b>Method: EPA 524.2</b>	<b>Batch ID: W0A0707</b>	<b>Instr: GCMS14</b>	<b>Prepared: 01/15/20 11:16</b>			<b>Analyst: cam</b>	
1,1,1,2-Tetrachloroethane	ND	0.10	0.50	ug/l	1	01/17/20	
1,1,1-Trichloroethane	ND	0.11	0.50	ug/l	1	01/17/20	
1,1,1,2,2-Tetrachloroethane	ND	0.20	0.50	ug/l	1	01/17/20	
1,1,2-Trichloroethane	ND	0.19	0.50	ug/l	1	01/17/20	
1,1-Dichloroethane	ND	0.12	0.50	ug/l	1	01/17/20	
1,1-Dichloroethene	ND	0.16	0.50	ug/l	1	01/17/20	
1,1-Dichloropropene	ND	0.14	0.50	ug/l	1	01/17/20	
1,2,3-Trichlorobenzene	ND	0.19	0.50	ug/l	1	01/17/20	
1,2,4-Trichlorobenzene	ND	0.17	0.50	ug/l	1	01/17/20	
1,2,4-Trimethylbenzene	ND	0.20	0.50	ug/l	1	01/17/20	
1,2-Dichloroethane	ND	0.12	0.50	ug/l	1	01/17/20	
1,2-Dichloropropane	ND	0.13	0.50	ug/l	1	01/17/20	
1,3,5-Trimethylbenzene	ND	0.17	0.50	ug/l	1	01/17/20	
1,3-Dichloropropane	ND	0.11	0.50	ug/l	1	01/17/20	



# Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

## Sample Results

(Continued)

Sample: 3076- Sandhill-Treated, RegID: 3610041-076

Sampled: 01/13/20 11:30 by John Catone

0A13042-01 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 524.2 (Continued)						Analyst: cam	
Batch ID: W0A0707	Instr: GCMS14		Prepared: 01/15/20 11:16				
1,3-Dichloropropene, Total	ND		0.50	ug/l	1	01/17/20	
2,2-Dichloropropane	ND	0.17	0.50	ug/l	1	01/17/20	
2-Butanone	ND	1.5	5.0	ug/l	1	01/17/20	
2-Chlorotoluene	ND	0.15	0.50	ug/l	1	01/17/20	
2-Hexanone	ND	1.2	5.0	ug/l	1	01/17/20	
4-Chlorotoluene	ND	0.15	0.50	ug/l	1	01/17/20	
4-Methyl-2-pentanone	ND	1.8	5.0	ug/l	1	01/17/20	
Benzene	ND	0.15	0.50	ug/l	1	01/17/20	
Bromobenzene	ND	0.15	0.50	ug/l	1	01/17/20	
Bromochloromethane	ND	0.15	0.50	ug/l	1	01/17/20	
Bromodichloromethane	6.6	0.090	0.50	ug/l	1	01/17/20	
Bromoform	0.59	0.19	0.50	ug/l	1	01/17/20	
Bromomethane	ND	0.27	0.50	ug/l	1	01/17/20	
Carbon tetrachloride	ND	0.12	0.50	ug/l	1	01/17/20	
Chlorobenzene	ND	0.15	0.50	ug/l	1	01/17/20	
Chloroethane	ND	0.17	0.50	ug/l	1	01/17/20	
Chloroform	8.5	0.12	0.50	ug/l	1	01/17/20	
Chloromethane	ND	0.23	0.50	ug/l	1	01/17/20	
cis-1,2-Dichloroethene	ND	0.11	0.50	ug/l	1	01/17/20	
cis-1,3-Dichloropropene	ND	0.11	0.50	ug/l	1	01/17/20	
Dibromochloromethane	3.8	0.20	0.50	ug/l	1	01/17/20	
Dibromomethane	ND	0.20	0.50	ug/l	1	01/17/20	
Dichlorodifluoromethane (Freon 12)	ND	0.45	0.50	ug/l	1	01/17/20	
Di-isopropyl ether	ND	0.34	2.0	ug/l	1	01/17/20	
Ethyl tert-butyl ether	ND	0.40	2.0	ug/l	1	01/17/20	
Ethylbenzene	ND	0.21	0.50	ug/l	1	01/17/20	
Freon 113	ND	1.5	5.0	ug/l	1	01/17/20	
Hexachlorobutadiene	ND	0.40	0.50	ug/l	1	01/17/20	
Isopropylbenzene	ND	0.18	0.50	ug/l	1	01/17/20	
m,p-Xylene	ND	0.33	0.50	ug/l	1	01/17/20	
m-Dichlorobenzene	ND	0.14	0.50	ug/l	1	01/17/20	
Methyl tert-butyl ether (MTBE)	ND	0.19	2.0	ug/l	1	01/17/20	
Methylene chloride	ND	0.14	0.50	ug/l	1	01/17/20	
Naphthalene	ND	0.35	0.50	ug/l	1	01/17/20	
n-Butylbenzene	ND	0.29	0.50	ug/l	1	01/17/20	
n-Propylbenzene	ND	0.18	0.50	ug/l	1	01/17/20	
o-Dichlorobenzene	ND	0.19	0.50	ug/l	1	01/17/20	
o-Xylene	ND	0.20	0.50	ug/l	1	01/17/20	
p-Dichlorobenzene	ND	0.18	0.50	ug/l	1	01/17/20	
p-Isopropyltoluene	ND	0.25	0.50	ug/l	1	01/17/20	

0A13042

Page 3 of 5



WECK LABORATORIES, INC.

# Certificate of Analysis

FINAL REPORT

(Continued)

## Sample Results

Sample: 3076 - Sandhill - Treated, RegID: 3610041-076  
0A13042-01 (Water)

Sampled: 01/13/20 11:30 by John Catone  
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
<b>Method: EPA 524.2 (Continued)</b>							
Batch ID: W0A0707	Instr: GCMS14	Prepared: 01/15/20 11:16		Analyst: cam			
sec-Butylbenzene	ND	0.24	0.50	ug/l	1	01/17/20	
Styrene	ND	0.19	0.50	ug/l	1	01/17/20	
Tert-amyl methyl ether	ND	0.59	2.0	ug/l	1	01/17/20	
tert-Butylbenzene	ND	0.18	0.50	ug/l	1	01/17/20	
Tetrachloroethene	ND	0.18	0.50	ug/l	1	01/17/20	
<b>THMs, Total</b>	<b>19</b>		0.50	ug/l	1	01/17/20	
Toluene	ND	0.14	0.50	ug/l	1	01/17/20	
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/l	1	01/17/20	
trans-1,3-Dichloropropene	ND	0.15	0.50	ug/l	1	01/17/20	
Trichloroethene	ND	0.18	0.50	ug/l	1	01/17/20	
Trichlorofluoromethane	ND	0.18	0.50	ug/l	1	01/17/20	
Vinyl chloride	ND	0.18	0.50	ug/l	1	01/17/20	
Xylenes, Total	ND		0.50	ug/l	1	01/17/20	
<b>Surrogate(s)</b>							
1,2-Dichlorobenzene-d4	90%		70-130	Conc: 9.00		01/17/20	
4-Bromofluorobenzene	82%		70-130	Conc: 8.24		01/17/20	
<b>Method: SM 2120B</b>							
Batch ID: W0A0584	Instr: _ANALYST	Prepared: 01/13/20 17:11		Analyst: ssi			
Color	ND		3.0	Color Units	1	01/13/20 18:12	
<b>Method: SM 2320B</b>							
Batch ID: W0A0608	Instr: AA02	Prepared: 01/14/20 10:24		Analyst: sbn			
Alkalinity as CaCO3	100		2.0	mg/l	1	01/14/20	
Bicarbonate Alkalinity as HCO3	130		2.0	mg/l	1	01/14/20	
Carbonate Alkalinity as CaCO3	ND		2.0	mg/l	1	01/14/20	
Hydroxide Alkalinity as CaCO3	ND		2.0	mg/l	1	01/14/20	
<b>Method: SM 2330B</b>							
Batch ID: W0A0858	Instr: _ANALYST	Prepared: 01/17/20 15:48		Analyst: aln			
Langelier Index @ 60 C	0.637		-10.0	N/A	1	01/17/20	
Langelier Index @ Source Temp	-0.001		-10.0	N/A	1	01/17/20	
<b>Method: SM 2510B</b>							
Batch ID: W0A0602	Instr: AA02	Prepared: 01/14/20 09:48		Analyst: sbn			
Specific Conductance (EC)	370		2.0	umhos/cm	1	01/14/20	
<b>Method: SM 2540C M</b>							
Batch ID: W0A0589	Instr: OVEN01	Prepared: 01/13/20 18:18		Analyst: blg			
Total Dissolved Solids	110		10	mg/l	1	01/14/20	
<b>Method: SM 4500H+ -B</b>							
Batch ID: W0A0578	Instr: AA02	Prepared: 01/13/20 16:52		Analyst: sbn			
pH	7.90		0.10	Units	1	01/13/20 18:03	*
<b>Method: SM 5540C</b>							
Batch ID: W0A0603	Instr: UVVIS04	Prepared: 01/14/20 10:04		Analyst: mfh			
MBAS	ND		0.050	mg/l	1	01/14/20 16:12	



WECK LABORATORIES, INC.

# Certificate of Analysis

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.
% Rec	Percent Recovery
Dil	Dilution
dry	Sample results reported on a dry weight basis
MDA	Minimum Detectable Activity
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)
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.
NR	Not Reportable
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.
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 MIS002.

## Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	ANAB ISO 17025
AWWA in Water Aggressive Index		✓	

Reviewed by:

Valerie Rejuso  
Project Manager



ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 •  
NELAP-OR #4047 • 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 23, 2020

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 19, 2020 (hereafter June 19, 2020 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 19, 2020 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 19, 2020 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 2020 through September 2021. 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 2017, 2018 and 2019 to recharge up to 300 afy of Lytle Creek water into the Vulcan Basin during the combined period of September 2017 through September 2020. As of June 22, 2020, the FWC has not recharged any water in the Vulcan Basin as part of their 2017, 2018 and 2019 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 19, 2020 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 500 feet below ground surface (bgs).<sup>1</sup> There will be no adverse liquefaction or land subsidence impacts from the groundwater level changes caused by the recharge and storage proposed by the FWC.

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

Per the June 19, 2020 recharge application for Vulcan Basin, FWC intends to use the proposed recharge water to partially offset its replenishment obligation. The Vulcan Basin is located in MZ3, where FWC's pumping wells are located. Figure 7-11d from the 2020 Safe Yield Recalculation Final Report<sup>2</sup> (WEI, 2020) shows the projected change in groundwater levels from 2018 through 2050. Review of this map indicates that for the period 2018 through 2050, groundwater levels are projected to decline 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.

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

<sup>2</sup> [https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder\\_id=2512](https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder_id=2512)

### **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-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 19, 2020 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 350 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 19, 2020 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.**



Carolina Sanchez, PE  
*Senior Engineer*



Mark Wildermuth, PE  
*President, Principal Engineer*

# CHINO BASIN WATERMASTER

## I. CONSENT CALENDAR (AP & OAP)

I. APPLICATION: RECHARGE

## I. BUSINESS ITEMS – ROUTINE (ONAP)

I. APPLICATION: RECHARGE



# CHINO BASIN WATERMASTER

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

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**PETER KAVOUNAS, P.E.**  
General Manager

## STAFF REPORT

DATE: July 9, 2020

TO: AP/ONAP/OAP Members

SUBJECT: Application for Recharge - Fontana Water Company (MAR) (Consent Calendar Item. I.I.)

### SUMMARY:

Issue: On June 19, 2020 Fontana Water Company submitted an Application for Recharge for up to 100 acre-feet to be recharged to a pilot project (MAR) 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

**Appropriative Pool – July 09, 2020:** Advice and Assistance

**Non-Agricultural Pool – July 09, 2020:** Advice and Assistance

**Agricultural Pool – July 09, 2020:** Advice and Assistance

**Advisory Committee – September 17, 2020:** Advice and Assistance

**Watermaster Board – September 24, 2020:** Approval [Within WM Duties and Powers]

---

### ACTIONS:

**Appropriative Pool – July 09, 2020:**

**Non-Agricultural Pool – July 09, 2020:**

**Agricultural Pool – July 09, 2020:**

**Advisory Committee – September 17, 2020:**

**Watermaster Board – September 24, 2020:**

*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 19, 2020, Fontana Water Company (FWC) submitted an Application for Recharge for up to 100 acre-feet, valid from September 1, 2020 and expiring September 1, 2021. 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. 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 year 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 23, 2020, which states that there will be no MPI due to FWC's proposed recharge as described in the June 19, 2020 recharge application (Attachment 2).

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 19, 2020
2. June 23, 2020 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 19, 2020 (hereafter June 19, 2020 recharge application for the vineyard)”*

# 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 19, 2020

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

Subject: Fiscal Year 2020/2021 Recharge Application -  
Fontana Water Company

Dear Mr. Kavounas:

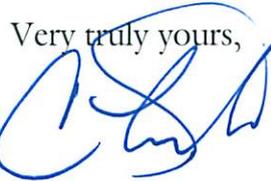
Enclosed herewith is Fontana Water Company's Application for Recharge dated June 19, 2020.

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 2020-2021 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.

Chino Basin Watermaster  
Page 2  
June 19, 2020

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

Very truly yours,  


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

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

CHINO BASIN WATERMASTER

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

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

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

COPY

# FONTANA WATER COMPANY

A DIVISION OF SAN GABRIEL VALLEY WATER COMPANY

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

June 19, 2020

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

Subject: Fiscal Year 2020/2021 Recharge Application -  
Fontana Water Company

Dear Mr. Kavounas:

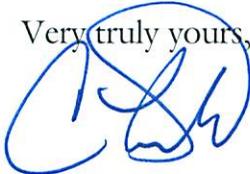
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Chino Basin Watermaster  
Page 2  
June 19, 2020

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Very truly yours,  


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

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

CHINO BASIN WATERMASTER

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

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

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

### Form 2a - Application for Supplemental Water Recharge

Applicant Information and Recharge Request			
Person	Fontana Water Company (FWC)	Date Requested	6/19/2020
Contact (individual)	Cris Fealy	Date Approved	
Street Address	15966 Arrow Route	Proposed Period of Time Covered by Recharge Application (mm/yyyy to mm/yyyy)	09/2020 to 09/2021
City	Fontana Water Comapny		
State	CA		
Zip Code	92335	Requested Total Amount of Recharge Over the Application Period (AF)	up to 100
Telephone	909-822-2201	Approved Total Amount of Recharge Over the Application Period (AF)	
Fax	909-823-5046		
Email	cifealy@fontanawater.com		

Source(s) of Supply (check box and provide supporting information)	
<input type="checkbox"/> State Water Project	
<input type="checkbox"/> Colorade 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 rationale either below or attach one to this application)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

BY: \_\_\_\_\_



Applicant

10/19/2020

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 Appropriate 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: 0A13042

Report Date: 2/03/2020

Received Date: 1/13/2020

Project: 3076- 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 1/13/2020 with the Chain-of-Custody document. The samples were received in good condition, at 5.4 °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, RegID: 3610041-076

Sampled: 01/13/20 11:30 by John Catone

0A13042-01 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: _Various	Batch ID: [CALC]	Instr: [CALC]	Prepared: 01/15/20 12:21			Analyst: jna	
Total Anions	3.6		0.070	meq/l	1	01/15/20	
Total Cations	3.6		0.038	meq/l	1	01/15/20	
Total hardness as CaCO3	127		0.662	mg/l	1	01/15/20	
Method: AWWA	Batch ID: W0A0763	Instr: _ANALYST	Prepared: 01/16/20 09:25			Analyst: aln	
Aggressive Index	11.8		N/A		1	01/23/20	
Method: EPA 140.1	Batch ID: W0A0576	Instr: W805	Prepared: 01/13/20 16:42			Analyst: blg	
Threshold Odor Number	1.0		1.0	T.O.N.	1	01/13/20 18:10	
Method: EPA 180.1	Batch ID: W0A0585	Instr: TUR801	Prepared: 01/13/20 17:18			Analyst: SBN	
Turbidity	ND		0.10	NTU	1	01/13/20 17:57	
Method: EPA 200.7	Batch ID: W0A0714	Instr: ICPO3	Prepared: 01/15/20 12:21			Analyst: kvm	
Boron, Total	79		10	ug/l	1	01/15/20	
Calcium, Total	38.4		0.100	mg/l	1	01/15/20	
Iron, Total	ND		10	ug/l	1	01/15/20	
Magnesium, Total	8.73		0.100	mg/l	1	01/15/20	
Potassium, Total	2.5		0.10	mg/l	1	01/15/20	
Sodium, Total	24		0.50	mg/l	1	01/15/20	
Method: EPA 200.8	Batch ID: W0A1160	Instr: ICPMS04	Prepared: 01/23/20 11:26			Analyst: CWC	
Aluminum, Total	39		5.0	ug/l	1	01/27/20	
Antimony, Total	ND		0.50	ug/l	1	01/27/20	
Arsenic, Total	0.46		0.40	ug/l	1	01/27/20	
Barium, Total	24		0.50	ug/l	1	01/27/20	



WECK LABORATORIES, INC.

# Sample Results

# Certificate of Analysis

FINAL REPORT

(Continued)

Sample: 3076- Sandhill-Treated, RegID: 3610041-076  
0A13042-01 (Water)

Sampled: 01/13/20 11:30 by John Catone  
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
<b>Method: EPA 200.8 (Continued)</b>	<b>Batch ID: W0A1160</b>	<b>Instr: ICPMS04</b>	<b>Prepared: 01/23/20 11:26</b>	<b>Analyst: CWC</b>			
Beryllium, Total	ND		0.10	ug/l	1	01/27/20	
Cadmium, Total	ND		0.10	ug/l	1	01/27/20	
Chromium, Total	ND		0.20	ug/l	1	01/27/20	
Copper, Total	0.88		0.50	ug/l	1	01/28/20	
Lead, Total	ND		0.20	ug/l	1	01/28/20	
Manganese, Total	0.22		0.20	ug/l	1	01/27/20	
Nickel, Total	ND		0.80	ug/l	1	01/27/20	
Selenium, Total	ND		0.40	ug/l	1	01/27/20	
Silver, Total	ND		0.20	ug/l	1	01/27/20	
Thallium, Total	ND		0.20	ug/l	1	01/27/20	
Zinc, Total	ND		5.0	ug/l	1	01/27/20	
<b>Method: EPA 245.1</b>	<b>Batch ID: W0A0884</b>	<b>Instr: hg03</b>	<b>Prepared: 01/20/20 10:18</b>	<b>Analyst: dec</b>			
Mercury, Total	ND		0.050	ug/l	1	01/21/20	
<b>Method: EPA 300.0</b>	<b>Batch ID: W0A0595</b>	<b>Instr: LC12</b>	<b>Prepared: 01/14/20 08:38</b>	<b>Analyst: jna</b>			
Chloride, Total	31		0.50	mg/l	1	01/15/20	
Fluoride, Total	0.14		0.10	mg/l	1	01/15/20	
Sulfate as SO4	30		0.50	mg/l	1	01/15/20	
<b>Method: EPA 314.0</b>	<b>Batch ID: W0A0544</b>	<b>Instr: LC08</b>	<b>Prepared: 01/13/20 12:59</b>	<b>Analyst: jna</b>			
Perchlorate	ND	0.84	2.0	ug/l	1	01/14/20	
<b>Method: EPA 335.4</b>	<b>Batch ID: W0A0747</b>	<b>Instr: AA01</b>	<b>Prepared: 01/15/20 18:02</b>	<b>Analyst: SAR</b>			
Cyanide, Total	ND		5.0	ug/l	1	01/20/20	
<b>Method: EPA 353.2</b>	<b>Batch ID: W0A0549</b>	<b>Instr: AA01</b>	<b>Prepared: 01/13/20 13:17</b>	<b>Analyst: sar</b>			
Nitrate as N	0.60		0.20	mg/l	1	01/14/20 13:13	
Nitrite as N	ND		100	ug/l	1	01/14/20 13:13	
NO2+NO3 as N	600		200	ug/l	1	01/14/20	
<b>Method: EPA 524.2</b>	<b>Batch ID: W0A0707</b>	<b>Instr: GCMS14</b>	<b>Prepared: 01/15/20 11:16</b>	<b>Analyst: cam</b>			
1,1,1,2-Tetrachloroethane	ND	0.10	0.50	ug/l	1	01/17/20	
1,1,1-Trichloroethane	ND	0.11	0.50	ug/l	1	01/17/20	
1,1,2,2-Tetrachloroethane	ND	0.20	0.50	ug/l	1	01/17/20	
1,1,2-Trichloroethane	ND	0.19	0.50	ug/l	1	01/17/20	
1,1-Dichloroethane	ND	0.12	0.50	ug/l	1	01/17/20	
1,1-Dichloroethene	ND	0.16	0.50	ug/l	1	01/17/20	
1,1-Dichloropropene	ND	0.14	0.50	ug/l	1	01/17/20	
1,2,3-Trichlorobenzene	ND	0.19	0.50	ug/l	1	01/17/20	
1,2,4-Trichlorobenzene	ND	0.17	0.50	ug/l	1	01/17/20	
1,2,4-Trimethylbenzene	ND	0.20	0.50	ug/l	1	01/17/20	
1,2-Dichloroethane	ND	0.12	0.50	ug/l	1	01/17/20	
1,2-Dichloropropane	ND	0.13	0.50	ug/l	1	01/17/20	
1,3,5-Trimethylbenzene	ND	0.17	0.50	ug/l	1	01/17/20	
1,3-Dichloropropane	ND	0.11	0.50	ug/l	1	01/17/20	



WECK LABORATORIES, INC.

# Certificate of Analysis

FINAL REPORT

## Sample Results

(Continued)

Sample: 3076- Sandhill-Treated, RegID: 3610041-076  
0A13042-01 (Water)

Sampled: 01/13/20 11:30 by John Catone  
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
<b>Method:</b> EPA 524.2 (Continued)							
<b>Batch ID:</b> W0A0707							
<b>Instr:</b> GCMS14							
<b>Prepared:</b> 01/15/20 11:16							
<b>Analyst:</b> cam							
1,3-Dichloropropene, Total	ND		0.50	ug/l	1	01/17/20	
2,2-Dichloropropane	ND	0.17	0.50	ug/l	1	01/17/20	
2-Butanone	ND	1.5	5.0	ug/l	1	01/17/20	
2-Chlorotoluene	ND	0.15	0.50	ug/l	1	01/17/20	
2-Hexanone	ND	1.2	5.0	ug/l	1	01/17/20	
4-Chlorotoluene	ND	0.15	0.50	ug/l	1	01/17/20	
4-Methyl-2-pentanone	ND	1.8	5.0	ug/l	1	01/17/20	
Benzene	ND	0.15	0.50	ug/l	1	01/17/20	
Bromobenzene	ND	0.15	0.50	ug/l	1	01/17/20	
Bromochloromethane	ND	0.15	0.50	ug/l	1	01/17/20	
<b>Bromodichloromethane</b>	<b>6.6</b>	0.090	0.50	ug/l	1	01/17/20	
<b>Bromoform</b>	<b>0.59</b>	0.19	0.50	ug/l	1	01/17/20	
Bromomethane	ND	0.27	0.50	ug/l	1	01/17/20	
Carbon tetrachloride	ND	0.12	0.50	ug/l	1	01/17/20	
Chlorobenzene	ND	0.15	0.50	ug/l	1	01/17/20	
Chloroethane	ND	0.17	0.50	ug/l	1	01/17/20	
<b>Chloroform</b>	<b>8.5</b>	0.12	0.50	ug/l	1	01/17/20	
Chloromethane	ND	0.23	0.50	ug/l	1	01/17/20	
cis-1,2-Dichloroethene	ND	0.11	0.50	ug/l	1	01/17/20	
cis-1,3-Dichloropropene	ND	0.11	0.50	ug/l	1	01/17/20	
<b>Dibromochloromethane</b>	<b>3.8</b>	0.20	0.50	ug/l	1	01/17/20	
Dibromomethane	ND	0.20	0.50	ug/l	1	01/17/20	
Dichlorodifluoromethane (Freon 12)	ND	0.45	0.50	ug/l	1	01/17/20	
Di-isopropyl ether	ND	0.34	2.0	ug/l	1	01/17/20	
Ethyl tert-butyl ether	ND	0.40	2.0	ug/l	1	01/17/20	
Ethylbenzene	ND	0.21	0.50	ug/l	1	01/17/20	
Freon 113	ND	1.5	5.0	ug/l	1	01/17/20	
Hexachlorobutadiene	ND	0.40	0.50	ug/l	1	01/17/20	
Isopropylbenzene	ND	0.18	0.50	ug/l	1	01/17/20	
m,p-Xylene	ND	0.33	0.50	ug/l	1	01/17/20	
m-Dichlorobenzene	ND	0.14	0.50	ug/l	1	01/17/20	
<b>Methyl tert-butyl ether (MTBE)</b>	<b>ND</b>	0.19	2.0	ug/l	1	01/17/20	
Methylene chloride	ND	0.14	0.50	ug/l	1	01/17/20	
Naphthalene	ND	0.35	0.50	ug/l	1	01/17/20	
n-Butylbenzene	ND	0.29	0.50	ug/l	1	01/17/20	
n-Propylbenzene	ND	0.18	0.50	ug/l	1	01/17/20	
o-Dichlorobenzene	ND	0.19	0.50	ug/l	1	01/17/20	
o-Xylene	ND	0.20	0.50	ug/l	1	01/17/20	
p-Dichlorobenzene	ND	0.18	0.50	ug/l	1	01/17/20	
p-Isopropyltoluene	ND	0.25	0.50	ug/l	1	01/17/20	



WECK LABORATORIES, INC.

# Certificate of Analysis

FINAL REPORT

## Sample Results

(Continued)

Sample: 3076- Sandhill-Treated, RegID: 3610041-076  
 OA13042-01 (Water)

Sampled: 01/13/20 11:30 by John Catone  
 (Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
<b>Method:</b> EPA 524.2 (Continued)	<b>Batch ID:</b> W0A0707	<b>Instr:</b> GCMS14	<b>Prepared:</b> 01/15/20 11:16	<b>Analyst:</b> cam			
sec-Butylbenzene	ND	0.24	0.50	ug/l	1	01/17/20	
Styrene	ND	0.19	0.50	ug/l	1	01/17/20	
Tert-amyl methyl ether	ND	0.59	2.0	ug/l	1	01/17/20	
tert-Butylbenzene	ND	0.18	0.50	ug/l	1	01/17/20	
Tetrachloroethene	ND	0.18	0.50	ug/l	1	01/17/20	
THMs, Total	19		0.50	ug/l	1	01/17/20	
Toluene	ND	0.14	0.50	ug/l	1	01/17/20	
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/l	1	01/17/20	
trans-1,3-Dichloropropene	ND	0.15	0.50	ug/l	1	01/17/20	
Trichloroethene	ND	0.18	0.50	ug/l	1	01/17/20	
Trichlorofluoromethane	ND	0.18	0.50	ug/l	1	01/17/20	
Vinyl chloride	ND	0.18	0.50	ug/l	1	01/17/20	
Xylenes, Total	ND		0.50	ug/l	1	01/17/20	
<i>Surrogate(s)</i>							
1,2-Dichlorobenzene-d4	90%		70-130	Conc: 9.00		01/17/20	
4-Bromofluorobenzene	82%		70-130	Conc: 8.24		01/17/20	
<b>Method:</b> SM 21208	<b>Batch ID:</b> W0A0584	<b>Instr:</b> _ANALYST	<b>Prepared:</b> 01/13/20 17:11	<b>Analyst:</b> ssi			
Color	ND		3.0	Color Units	1	01/13/20 18:12	
<b>Method:</b> SM 23208	<b>Batch ID:</b> W0A0608	<b>Instr:</b> AA02	<b>Prepared:</b> 01/14/20 10:24	<b>Analyst:</b> sbn			
Alkalinity as CaCO3	100		2.0	mg/l	1	01/14/20	
Bicarbonate Alkalinity as HCO3	130		2.0	mg/l	1	01/14/20	
Carbonate Alkalinity as CaCO3	ND		2.0	mg/l	1	01/14/20	
Hydroxide Alkalinity as CaCO3	ND		2.0	mg/l	1	01/14/20	
<b>Method:</b> SM 23308	<b>Batch ID:</b> W0A0858	<b>Instr:</b> _ANALYST	<b>Prepared:</b> 01/17/20 15:48	<b>Analyst:</b> aln			
Langelier Index @ 60 C	0.637		-10.0	N/A	1	01/17/20	
Langelier Index @ Source Temp	-0.001		-10.0	N/A	1	01/17/20	
<b>Method:</b> SM 25108	<b>Batch ID:</b> W0A0602	<b>Instr:</b> AA02	<b>Prepared:</b> 01/14/20 09:48	<b>Analyst:</b> sbn			
Specific Conductance (EC)	370		2.0	umhos/cm	1	01/14/20	
<b>Method:</b> SM 2540C M	<b>Batch ID:</b> W0A0589	<b>Instr:</b> OVEN01	<b>Prepared:</b> 01/13/20 18:18	<b>Analyst:</b> big			
Total Dissolved Solids	110		10	mg/l	1	01/14/20	
<b>Method:</b> SM 4500H + - B	<b>Batch ID:</b> W0A0578	<b>Instr:</b> AA02	<b>Prepared:</b> 01/13/20 16:52	<b>Analyst:</b> sbn			
pH	7.90		0.10	Units	1	01/13/20 18:03	
<b>Method:</b> SM 5540C	<b>Batch ID:</b> W0A0603	<b>Instr:</b> UVVIS04	<b>Prepared:</b> 01/14/20 10:04	<b>Analyst:</b> mfh			
MBAS	ND		0.050	mg/l	1	01/14/20 16:12	



WECK LABORATORIES, INC.

# Certificate of Analysis

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.
% Rec	Percent Recovery
Dil	Dilution
dry	Sample results reported on a dry weight basis
MDA	Minimum Detectable Activity
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)
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.
NR	Not Reportable
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.
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 MIS002.

## Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	ANAB ISO 17025
AWWA in Water Aggressive Index		✓	

Reviewed by:

Valerie Rejuso  
Project Manager



ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 • 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 23, 2020

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 19, 2020 (hereafter June 19, 2020 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 19, 2020 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 19, 2020 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 2020 through September 2021. 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 2018 and 2019 to recharge up to 100 af of Lytle Creek water into the vineyard during the combined period of January 2019 through September 2020. As of June 22, 2020, FWC has not recharged any water in the vineyard as part of their July 2018 and 2019 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 19, 2020 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 650 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 225 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 19, 2020 recharge application for the vineyard, FWC intends to use the proposed recharge water to partially offset its replenishment obligation. The vineyard is located in MZ2 and FWC's pumping wells are located in MZ3. Figure 7-11d from the 2020 Safe Yield Recalculation Final Report<sup>1</sup> (WEI, 2020) shows the projected change in groundwater levels from 2018 through 2050. Review of this map indicates that for the period 2018 through 2050, groundwater levels are projected to decline more in the northern part of MZ2 than the northern part of MZ3. The proposed recharge will contribute to improving the balance of recharge and discharge in MZ2.

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<sup>1</sup> [https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder\\_id=2512](https://cbwm.syncedtool.com/shares/folder/e83081106c3072/?folder_id=2512)

### **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-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 19, 2020 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 350 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 19, 2020 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.**



Carolina Sanchez, PE  
*Senior Engineer*



Mark Wildermuth, PE  
*President, Principal Engineer*

# CHINO BASIN WATERMASTER

## I. CONSENT CALENDAR (AP & OAP)

J. APPLICATION: RECHARGE

## I. BUSINESS ITEMS – ROUTINE (ONAP)

J. APPLICATION: RECHARGE



# CHINO BASIN WATERMASTER

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

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**PETER KAVOUNAS, P.E.**  
General Manager

## STAFF REPORT

DATE: July 9, 2020  
TO: AP/ONAP/OAP Members  
SUBJECT: Application for Recharge - San Antonio Water Company (Consent Calendar Item I.J.)

### SUMMARY:

Issue: On June 22, 2020, San Antonio Water Company submitted an Application for Recharge for up to 2,500 acre-feet to be recharged into basins along the San Antonio Channel.

Recommendation: Recommend Advisory Committee to recommend to the Watermaster Board to approve San Antonio Water Company's Application for Recharge and direct Watermaster staff to account for this supplemental water recharged in San Antonio Water Company's existing Local Supplemental Storage account.

Financial Impact: None

### Future Consideration

**Agricultural Pool – July 09, 2020:** Advice and Assistance  
**Appropriative Pool – July 09, 2020:** Advice and Assistance  
**Non-Agricultural Pool – July 09, 2020:** Advice and Assistance  
**Advisory Committee – September 17, 2020:** Advice and Assistance  
**Watermaster Board – September 24, 2020:** Approval [Within WM Duties and Powers]

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### ACTIONS:

**Agricultural Pool – July 09, 2020:**  
**Appropriative Pool – July 09, 2020:**  
**Non-Agricultural Pool – July 09, 2020:**  
**Advisory Committee – September 17, 2020:**  
**Watermaster Board – September 24, 2020:**

*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 Material Physical Injury to a Party to the Judgment or the Basin (Storage and Recovery Programs do not have this presumption).

## DISCUSSION

On June 22, 2020, San Antonio Water Company (SAWCo) submitted an Application for Recharge for up to 2,500 acre-feet from July 01, 2020 to July 01, 2021. The Application states that the method of recharge is surface spreading into Basins aligned with the San Antonio Creek system (see Attachment 1) and identifies the source of water to be Local Supplemental water. Attached to the Application are water quality results from the Clinical Laboratory of San Bernardino, Inc. to aid in the MPI analysis (see Attachment 2.)

If and when approved, SAWCo intends to recharge the water into the basins connected to the San Antonio Creek channel system. The amount recharged will be subject to evaporative losses. The amount recharged will be subject to evaporative losses. This water can be used to offset over-production during the same fiscal year it was imported, or, should the water not be used in the fiscal year for over-production, the water will be placed into storage. It should be noted that the volume of water in storage in Chino Basin is quickly approaching the maximum that has been evaluated under CEQA. As such, it is possible that at the time water is available for the contemplated recharge, Watermaster may not approve a storage agreement. The applicant is advised to confirm with Watermaster in advance of any recharge. Per the Peace II Agreement and achievement of Hydraulic Control, losses will be applied to all water placed into a Local Supplemental Storage Account in a manner consistent to all other water held in 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, San Antonio Water Company and the other Party will need to submit the appropriate water transfer forms, which include the recapture plan. Per the Peace II Agreement and achievement of Hydraulic Control, losses will be applied to all water placed into a Local Supplemental Storage Account in a manner consistent to all other water held in storage.

Wildermuth Environmental, Inc. (WEI) completed a MPI analysis on June 24, 2020 declaring no negative impacts to the Basin from this recharge event (see Attachment 3.) In 2019, WEI expressed concern over 1,2,3-TCP concentrations in wells that exceeded the California maximum contaminant level (MCL) that are within the flow path of the proposed recharge basins. However, the proposed recharge of 2,500 af was not a large enough volume to significantly change direction or speed of the groundwater flow in the area and thus would not significantly impact any of the wells downstream. Staff has reviewed and recommends approval of the Application for Recharge as presented.

Once approved, SAWCo must complete Form 2b *Request to Recharge Supplemental Water by a Person to Watermaster*. Form 2b will be used by Watermaster staff to coordinate with SAWCo and the Inland Empire Utility Agency (IEUA) to develop a Recharge Operations Plan. During the Recharge event, Watermaster and IEUA will collect data to properly ensure the water is accounted for. Upon completion of the recharge event, SAWCo will be required to submit Form 2c *Report of Supplemental Water Recharge by a Person* to Watermaster for final review and accounting.

ATTACHMENTS

1. SAWCo Recharge Application Dated June 22, 2020
2. Clinical Laboratory of San Bernardino, Inc. Water Quality Report
3. June 24, 2020 Letter from WEI to Watermaster: *Analysis of Material Physical Injury for the San Antonio Water Company (SAWC) Recharge Application, Submitted to the Chino Basin Watermaster on June 22, 2020*

**Form 2a - Application for Supplemental Water Recharge**

Applicant Information and Recharge Request			
Person	San Antonio Water Company	Date Requested	07/01/2020
Contact (individual)	Brian Lee	Date Approved	
Street Address	139 North Euclid Avenue	Proposed Period of Time Covered by Recharge Application (mm/yyyy to mm/yyyy)	07/01/2020 to 06/30/2021
City	Upland	Requested Total Amount of Recharge Over the Application Period (AF)	2,500
State	CA	Approved Total Amount of Recharge Over the Application Period (AF)	
Zip Code	91786		
Telephone	909.982.4107		
Fax	909.920.3047		
Email	blee@sawaterco.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)
<input type="checkbox"/>	Recycled Water (identify source and attach source water quality characterization including TDS and TN; use as many sheets as necessary)
<input type="checkbox"/>	Other (identify source and attach source water quality characterization including TDS and TN; use as many sheets as necessary)

Method of Recharge (check box and provide supporting information)	
<input checked="" type="checkbox"/>	Surface Spreading
	Recharge Basin Name(s) <b>Upland Montclair Basins</b>
	Expected Period of Recharge (mm/dd to mm/dd) <b>07/01/20 to 06/30/21</b>
	Depth to Water in Recharge Area (ft-bgs)
	Water Quality in Recharge Area (attach characterization)
<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)



# Clinical Laboratory of San Bernardino, Inc.

Celebrating 50 Years of Analytical Service 1967-2017



San Antonio Water Co.  
139 N Euclid Ave  
Upland CA, 91786

Project: Routine  
Sub Project:  
Project Manager: Brian Lee

Work Order: 19G0222  
Received: 07/02/19 15:45  
Reported: 07/16/19

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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### V-Screen

19G0222-01 (Water)

Sample Date: 07/02/19 10:40

Sampler: Not Listed

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
<b>Field Analyses</b>									
Cl Res (Field)	Field	0			mg/L	07/02/19	07/02/19	1927100	
pH (Field)	Field	8.2			pH Units	07/02/19	07/02/19	1927100	
Temperature (Field)	Field	56			°F	07/02/19	07/02/19	1927100	

### General Chemical Analyses

Alkalinity, Total (as CaCO <sub>3</sub> )	SM 2320 B	150	5.0		mg/L	07/08/19	07/08/19	1927063	
Ammonia as N (NH <sub>3</sub> -N)	EPA 350.1	ND	0.50		mg/L	07/08/19	07/08/19	1928004	
Bicarbonate (HCO <sub>3</sub> )	SM 2320 B	190	5.0		mg/L	07/08/19	07/08/19	1927063	
Carbonate (CO <sub>3</sub> )	SM 2320B	ND	5.0		mg/L	07/08/19	07/08/19	1927063	
Chloride (Cl)	EPA 300.0	1.1	1.0	500	mg/L	07/03/19	07/03/19	1927095	
Specific Conductance (E.C.)	SM 2510B	310	2.0	1600	umhos/cm	07/08/19	07/08/19	1927063	
Fluoride (F)	EPA 300.0	0.30	0.10	2	mg/L	07/03/19	07/03/19	1927095	
Hydroxide (OH)	SM 2320B	ND	5.0		mg/L	07/08/19	07/08/19	1927063	
MBAS (LAS Mole. Wt 340.0)	SM 5540C	ND	0.10	0.5	mg/L	07/03/19	07/03/19	1927091	
Nitrate as N (NO <sub>3</sub> -N)	EPA 300.0	ND	0.40	10	mg/L	07/03/19	07/03/19	1927095	
Nitrite as N (NO <sub>2</sub> -N)	EPA 300.0	ND	0.40	1	mg/L	07/03/19	07/03/19	1927095	
Organic Nitrogen	Calculation	ND	1.5		mg/L	07/09/19	07/09/19	[CALC]	
pH (Lab)	SM 4500HB	8.4			pH Units	07/02/19	07/02/19	1927063	
Sulfate (SO <sub>4</sub> )	EPA 300.0	20	0.50	500	mg/L	07/03/19	07/03/19	1927095	
Total Filterable Residue/TDS	SM 2540C	180	5.0	1000	mg/L	07/02/19	07/05/19	1927049	
Total Kjeldahl Nitrogen	EPA 351.2	ND	1.0		mg/L	07/09/19	07/09/19	1928044	
Total Organic Carbon	SM 5310B	0.44	0.30		mg/L	07/03/19	07/03/19	1927072	

### Metals

Boron (B)	EPA 200.7	ND	100		ug/L	07/09/19	07/09/19	1928035	
Calcium (Ca)	EPA 200.7	52	1.0		mg/L	07/08/19	07/08/19	1928024	
Copper (Cu)	EPA 200.7	ND	50	1000	ug/L	07/09/19	07/09/19	1928035	
Iron (Fe)	EPA 200.7	ND	100	300	ug/L	07/09/19	07/09/19	1928035	
Magnesium (Mg)	EPA 200.7	8.7	1.0		mg/L	07/08/19	07/08/19	1928024	
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	07/09/19	07/09/19	1928035	
Potassium (K)	EPA 200.7	1.9	1.0		mg/L	07/08/19	07/08/19	1928024	
Silica (SiO <sub>2</sub> )	EPA 200.7	15	0.50		mg/L	07/08/19	07/08/19	1928021	
Sodium (Na)	EPA 200.7	5.3	1.0		mg/L	07/08/19	07/08/19	1928024	
Zinc (Zn)	EPA 200.7	ND	50	5000	ug/L	07/09/19	07/09/19	1928035	

### Anion / Cation Balance

Hardness, Total (as CaCO <sub>3</sub> )	Calculated	160			mg/L	07/08/19	07/08/19	[CALC]	
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Bob Glaubig  
Laboratory Director

# Clinical Laboratory of San Bernardino, Inc.

Celebrating 50 Years of Analytical Service 1967-2017



San Antonio Water Co.  
139 N Euclid Ave  
Upland CA, 91786

Project: Routine  
Sub Project:  
Project Manager: Brian Lee

Work Order: 19G0222  
Received: 07/02/19 15:45  
Reported: 07/16/19

**V-Screen** **19G0222-01 (Water)** **Sample Date:** 07/02/19 10:40 **Sampler:** Not Listed

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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**Anion / Cation Balance**

<b>Total Anions</b>	Calculated	<b>3.58</b>			meq/L	07/08/19	07/08/19	[CALC]	
<b>Total Cations</b>	Calculated	<b>3.6</b>			meq/L	07/08/19	07/08/19	[CALC]	
<b>% difference</b>	Calculated	<b>0.46</b>				07/08/19	07/08/19	[CALC]	

pH (Lab) was analyzed ASAP but received and analyzed past the 15 minute hold time.

ND Analyte NOT DETECTED at or above the reporting limit

Bob Glaubig  
Laboratory Director





June 24, 2020

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 San Antonio Water Company (SAWC) Recharge Application, Submitted to the Chino Basin Watermaster on June 22, 2020 (hereafter June 22, 2020 recharge application)**

Dear Mr. Kavounas:

Pursuant to your direction, Wildermuth Environmental, Inc. (WEI) conducted a material physical injury (MPI) analysis of the SAWC's June 22, 2020 recharge application. This MPI analysis was completed pursuant to the Watermaster Rules and Regulations and the Peace Agreement. Specifically, Article 10 of the 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 evaluations of Chino Basin storage programs, groundwater modeling of various groundwater management alternatives in the Chino Basin, and prior MPI analyses.

### **SAWC's Recharge Application of June 22, 2020**

The SAWC proposes to recharge up to 2,500 acre-feet (af) of San Antonio Creek water into the Chino Basin during the period of July 2020 through June 2021. The SAWC proposes to divert San Antonio Creek water through its existing non-potable system and subsequently discharge it to the concrete-lined reach of San Antonio Creek located downstream of the Pomona Valley Protective Association (PVPA) diversion facilities and upstream of the College Heights and Upland Basins. The SAWC proposes to recharge this water in the Upland Basin and Montclair Basins 1-4. Diversions into the Upland Basin would occur through the existing San Antonio Creek diversion into Upland Basin. Diversions into the Montclair Basins would occur through the existing San Antonio Creek diversion into Montclair Basin 1 and subsequently be routed to other basins in the Montclair Basins complex. The SAWC will need to coordinate their proposed diversions for recharge with the Inland Empire Utilities Agency (IEUA), the Chino Basin Water Conservation District, the City of Upland, and Watermaster to ensure that their water is diverted as proposed, measured and accounted for, and its recharge activities do not interfere with other recharge operations and stormwater management. The SAWC did not submit a recapture plan in its June 22, 2020 recharge application.

Watermaster classifies the water proposed to be recharged by the SAWC as supplemental water; therefore, the proposed recharge will contribute to Watermaster's Peace II obligation to recharge 6,500 af per year (afy) of supplemental water in MZ1.

### **Groundwater Level Impacts (Liquefaction, Land Subsidence, and Increases in Pump Lift)**

The proposed project will produce a localized increase in groundwater levels in the vicinity of the recharge basins where the recharge occurs, followed by a return to the groundwater levels that would occur had the water not been recharged. As of March 2020, the depth to groundwater beneath the basins proposed for recharge ranges from about 640 feet below ground surface (bgs) at the Upland Basin to about 450 ft bgs at the Montclair Basins. There will be no adverse liquefaction or land subsidence impacts from the groundwater level changes caused by the recharge and storage proposed by the SAWC. Pumping lifts may be slightly reduced resulting in lower pumping costs and lower greenhouse gas emissions. No adverse impacts related to groundwater level changes will occur from the proposed recharge.

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

The SAWC did not provide a recovery plan; thus, the location of future recovery remains unknown, and the balance of recharge and discharge cannot be assessed. Watermaster should conduct an MPI review when the SAWC submits a recovery plan. We recommend that the SAWC provide a recovery plan for the water they propose to recharge under the current application and past applications as soon as practical and no later than their next application to recharge supplemental water.

### **TDS and Nitrate Concentrations Impacts**

The 2004 Regional Water Quality Control Plan (Basin Plan) for the Santa Ana River Watershed has TDS and nitrate (expressed as nitrogen) concentration objectives in the Chino-North Groundwater Management Zone (GMZ) of 430 milligrams per liter (mg/l) and 5 mg/l, respectively. The proposed recharge will occur in the Chino-North GMZ. Pursuant to the Basin Plan, Watermaster and the IEUA are required to manage artificial recharge in Chino North GMZ such that the five-year, volume-weighted average TDS and nitrate concentrations of the recycled water, imported water, and new stormwater recharged across all recharge facilities does not exceed the maximum benefit-based Basin Plan objectives.

The source of the supplemental water in SAWC's June 22, 2020 recharge application is San Antonio Creek water diverted upstream of San Antonio Dam. The SAWC provided a water quality analysis of a San Antonio Creek water sample taken on July 2, 2019. WEI supplemented this water quality data with other water quality data provided by the SAWC and the City of Pomona (Pomona). These data indicate that the TDS and nitrate concentrations in San Antonio Creek water average about 220 mg/l and non-detect, respectively, for the period of 2013 through 2018. These averages are consistent with the SAWC's July 2, 2019 water quality sample analysis, which had TDS and nitrate concentrations of 190 mg/l and non-detect, respectively. The current ambient TDS and nitrate concentrations in the Chino-North GMZ are 350 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 from the proposed recharge.

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

We investigated the occurrence of observed groundwater contamination in the vicinity of the spreading basins proposed to be used in the June 22, 2020 recharge application. We compared observed concentrations of chemicals regulated under Title 22 drinking water regulations at Monte Vista Water District (MVWD) wells to Title 22 maximum contaminant levels (MCLs). Contaminants with observations exceeding MCLs included 1,2,3-Trichloropropane (TCP), 1,2-Dibromo-3-chloropropane (DBCP), nitrate, and perchlorate—with all being commonly observed contaminants in areas previously used in citrus cultivation in the Chino Valley area.

Exhibit 5-11 from the 2018 State of the Basin Report (WEI, 2019)<sup>1</sup> shows the maximum observed TCP concentration at municipal wells in the Chino Basin during the five-year period of July 2013 to June 2018. Review of this exhibit indicates that several wells in the northwest area of the Chino Basin have TCP concentrations that exceed the California

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<sup>1</sup> [http://www.cbwm.org/rep\\_engineering.htm](http://www.cbwm.org/rep_engineering.htm)

maximum contaminant level (MCL) of 0.005 ugl. The potential source(s) of TCP contamination in groundwater in this area were investigated in 2019 and it was concluded that the likely source of the TCP appears to be from land applications of soil fumigants.<sup>2</sup> The investigation also concluded it is unlikely that managed aquifer recharge (MAR) operations in the area will have a significant impact on the TCP concentrations at MVWD wells. And, that if MVWD continues to produce groundwater as they indicated in the recent 2020 Storage Management Plan, it is unlikely that MAR operations in the area will have a significant impact on the TCP concentrations outside of this area.

The proposed recharge of 2,500 af is not unusually large compared to historical recharge at the College Heights, Upland, and Montclair spreading basins, and it will not significantly change the direction and speed of groundwater flow in the area between the recharge basins and the wells owned by the MVWD. Based on this analysis, we conclude that the recharge proposed by the SAWC will not significantly impact the water quality at wells.

### **Conclusion and Recommendations**

Our professional opinion is that there will be no MPI due to the SAWC's proposed recharge, as described in its June 22, 2020 recharge application. An MPI determination cannot be made regarding the recovery of the recharged water until a recovery plan is provided to Watermaster for MPI review. The scope of the MPI analysis for the recovery plan should consider the recovery of all supplemental water recharged and stored by the SAWC.

Please contact either of us if you have any questions or concerns regarding this MPI analysis.

Very truly yours,

### **Wildermuth Environmental, Inc.**



Carolina Sanchez, PE  
Senior Engineer



Mark Wildermuth, PE  
President, Principal Engineer

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<sup>2</sup> WEI, 2019. "Investigation of the Likely Source of 1,2,3-Trichloropropane (1,2,3-TCP) in Groundwater near Recharge Basins in Management Zone 1 (MZ1) and the Impact of Managed Aquifer Recharge (MAR) on It." Technical Memorandum dated December 16, 2019.

# **CHINO BASIN WATERMASTER**

## **I. BUSINESS ITEMS – ROUTINE (ONAP)**

### **K. REVISED CALENDAR YEAR 2020 VOLUME VOTE**



# CHINO BASIN WATERMASTER

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

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 9, 2020  
TO: ONAP Members  
SUBJECT: Revised Calendar Year 2020 Overlying (Non-Agricultural) Pool Volume Vote (Consent Calendar Item I.K.)

### SUMMARY

Issue: Following the closing of a permanent transfer of safe yield, the Volume Vote calculation must be revised.

Recommendation: Receive and file the revised Calendar Year 2020 Overlying (Non-Agricultural) Pool Volume Vote as presented.

Financial Impact: None.

Future Consideration  
Non-Agricultural Pool – July 9, 2020: Receive and file

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ACTIONS:  
**Non-Agricultural Pool – July 9, 2020:**

*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 total voting power on the Pool Committee is 1,484 votes. Of these, 742 votes are to be allocated based on one vote for each ten acre-feet or fraction thereof of Safe Yield. The remaining 742 votes are allocated proportionally based on production during the preceding year.

Due to recent water transfers, if each Party is given one vote for each ten acre-feet or fraction thereof of Safe Yield, the total for that portion of the Volume Vote is 743 rather than 742. The logical solution to address this is to pro-rata reduce the 743 votes down to 742 votes; this is the same methodology that has been used the last few years. Please note that this approach has a very minor effect on each Party's vote.

The Calendar Year 2020 Overlying (Non-Agricultural) Pool (ONAP) Volume Vote was approved on November 14, 2019 based on the November 21, 2019 approval of the 2019/20 Assessment Package and last revised on January 29, 2020 as a result of the permanent transfer of safe yield from GenOn California South LP to the City of Ontario (Non-Ag).

## DISCUSSION

On February 13, 2020 ANG II (Multi) LLC intervened into the ONAP which was vetted by all three Pool Committees and recommended to the Advisory Committee and Watermaster Board to approve.

As provided in the February 13, 2020 Pool Committee agendas, the consolidated water transfer forms 3, 4 & 5 submitted by Southern Service Company dba Blue Seal Linen requesting the permanent transfer of 24.0 acre-feet of water from Southern Service Company dba Blue Seal Linen to ANG II (Multi) LLC was also vetted by all three Pool Committees and recommended for Advisory Committee and Board approval. This is a permanent transfer based on transfer of land ownership by Grant Deed dated March 25, 2010. This transfer was contingent on ANG II (Multi) LLC's successful intervention into the ONAP.

As provided in the February 13, 2020 Pool Committee agendas, the transfer of 24.0 acre-feet of Operating Safe Yield from ANG II (Multi) LLC to 9W Halo Western Opco, L.P. was also vetted by all three Pool Committees and recommended for Advisory Committee and Board approval. This transfer was also contingent on ANG II (Multi) LLC's successful intervention into the ONAP.

NOTE: The 24 acre-feet volume stated above and in the referenced water transaction forms refer to the water right; the Share of Safe Yield associated with the 24 acre-feet right is 18.789 acre-feet.

The ANG II (Multi) LLC intervention request and two related water transactions noted above were subsequently approved by the Watermaster Board on March 26, 2020.

Of note, 9W Halo Western OpCo L.P. successfully intervened into the ONAP as approved by the Watermaster Board on July 27, 2017. They are now also shown on the appropriate ONAP rosters and volume vote tables since the above transactions have now all been Board approved.

As a result of the permanent transfer of safe yield and related interventions noted above, the 2020 Overlying (Non-Agricultural) Pool Volume Vote allocation has been revised and is attached (Attachment 1). The February 13, 2020 revised calendar year 2020 Volume Vote is attached for reference (Attachment 2) as is the Original Calendar Year 2020 Volume Vote (Attachment 3).

## ATTACHMENTS

1. Revised July 9, 2020 Calendar Year 2020 Overlying (Non-Agricultural) Pool Volume Vote Basis
2. Revised Feb. 13, 2020 Calendar Year 2020 Overlying (Non-Agricultural) Pool Volume Vote Basis
3. Original Calendar Year 2020 Overlying (Non-Agricultural) Pool Volume Vote Basis

*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*



## Chino Basin Watermaster 2020 Non-Ag Pool Volume Vote

Assessment Year 2019-2020 (Production Year 2018-2019)

Share of Safe Yield as of March 26, 2020

	Assessable Production			Share of Safe Yield			TOTAL VOLUME VOTE
	Acre-Ft	Percentage	Votes	Acre-Ft	WV Realloc	Votes	
9W Halo Western OpCo L.P. <sup>1,2</sup>	22.711	0.591%	4.385	18.789	0.040	2.000	6.385
ANG II (Multi) LLC <sup>1,3</sup>	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
Aqua Capital Management LP	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
California Speedway Corporation	388.618	10.113%	75.037	1,000.000	2.130	101.000	176.037
California Steel Industries, Inc.	1,418.841	36.922%	273.959	1,615.137	3.440	162.000	435.959
CalMat Co.	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
CCG Ontario, LLC	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
City of Ontario (Non-Ag)	1,508.086	39.244%	291.191	3,920.567	8.351	393.000	684.191
County of San Bernardino (Non-Ag)	56.999	1.483%	11.006	133.870	0.285	14.000	25.006
General Electric Company	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
GenOn California South, LP <sup>4,5</sup>	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
Hamner Park Associates, a California Limited Partnership	303.605	7.901%	58.622	464.240	0.989	47.000	105.622
Monte Vista Water District (Non-Ag)	15.013	0.391%	2.899	50.000	0.107	6.000	8.899
Praxair, Inc.	0.000	0.000%	0.000	1.000	0.002	1.000	1.000
Riboli Family and San Antonio Winery, Inc.	25.569	0.665%	4.937	0.000	0.000	0.000	4.937
Space Center Mira Loma, Inc.	93.708	2.439%	18.094	104.121	0.222	11.000	29.094
TAMCO	9.688	0.252%	1.871	42.619	0.091	5.000	6.871
West Venture Development Company	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
<b>TOTAL</b>	<b>3,842.838</b>	<b>100.000%</b>	<b>742.000</b>	<b>7,350.343</b>	<b>15.657</b>	<b>742.000</b>	<b>1,484.000</b>

<sup>1</sup> In the early 1980's, Southern Service Company sold their operations to Angelica Textile Services, Inc. but retained the ownership to the property and water rights. At the same time, the property and water rights were leased to Angelica Textile Services, Inc.

<sup>2</sup> In 2017, Angelica Textile Services, Inc. filed for bankruptcy and subsequently sold all of its assets to 9W Halo Western OpCo L.P. As a result, 9W Halo Western OpCo L.P. became the successor to Angelica Textile Services, Inc. under the lease with ANG II (Multi) LLC.

<sup>3</sup> ANG II (Multi) LLC acquired the property and water rights from Southern Service Company on March 25, 2010. Simultaneously, the property and water rights were then leased to Angelica Textile Services, Inc., and subsequently to 9W Halo Western OpCo L.P. in 2017.

<sup>4</sup> GenOn California South, LP transferred all of its share of Safe Yield to the City of Ontario (Non-Ag) on January 29, 2020.

<sup>5</sup> GenOn California South, LP has requested to be removed from the Watermaster Active Party List. Its share of votes based on the 2018/2019 assessable production is reallocated to the remaining parties.



## Chino Basin Watermaster 2020 Non-Ag Pool Volume Vote

Assessment Year 2019-2020 (Production Year 2018-2019)

Share of Safe Yield as of January 29, 2020

	Assessable Production			Share of Safe Yield			TOTAL VOLUME VOTE
	Acre-Ft	Percentage	Votes	Acre-Ft	WV Realloc	Votes	
Aqua Capital Management LP	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
California Speedway Corporation	388.618	10.113%	75.037	1,000.000	2.130	101.000	176.037
California Steel Industries, Inc.	1,418.841	36.922%	273.959	1,615.137	3.440	162.000	435.959
CalMat Co.	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
CCG Ontario, LLC	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
City of Ontario (Non-Ag)	1,508.086	39.244%	291.191	3,920.567	8.351	393.000	684.191
County of San Bernardino (Non-Ag)	56.999	1.483%	11.006	133.870	0.285	14.000	25.006
General Electric Company	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
GenOn California South, LP <sup>1,2</sup>	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
Hamner Park Associates, a California Limited Partnership	303.605	7.901%	58.622	464.240	0.989	47.000	105.622
Monte Vista Water District (Non-Ag)	15.013	0.391%	2.899	50.000	0.107	6.000	8.899
Praxair, Inc.	0.000	0.000%	0.000	1.000	0.002	1.000	1.000
Riboli Family and San Antonio Winery, Inc.	25.569	0.665%	4.937	0.000	0.000	0.000	4.937
Southern Service Company	22.711	0.591%	4.385	18.789	0.040	2.000	6.385
Space Center Mira Loma, Inc.	93.708	2.439%	18.094	104.121	0.222	11.000	29.094
TAMCO	9.688	0.252%	1.871	42.619	0.091	5.000	6.871
West Venture Development Company	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
<b>TOTAL</b>	<b>3,842.838</b>	<b>100.000%</b>	<b>742.000</b>	<b>7,350.343</b>	<b>15.657</b>	<b>742.000</b>	<b>1,484.000</b>

<sup>1</sup> GenOn California South, LP transferred all of its share of Safe Yield to the City of Ontario (Non-Ag) on January 29, 2020.

<sup>2</sup> GenOn California South, LP has requested to be removed from the Watermaster Active Party List. Its share of votes based on the 2018/2019 assessable production is reallocated to the remaining parties.



## Chino Basin Watermaster 2020 Non-Ag Pool Volume Vote

Assessment Year 2019-2020 (Production Year 2018-2019)

	Assessable Production			Share of Safe Yield			TOTAL VOLUME VOTE
	Acre-Ft	Percentage	Votes	Acre- Ft	WV Realloc	Votes	
Aqua Capital Management LP	0.0	0.000%	0.000	0.0	0.0	0.000	0.000
California Speedway Corporation	388.6	10.065%	74.684	1,000.0	2.1	100.864	175.548
California Steel Industries, Inc.	1,418.8	36.748%	272.671	1,615.1	3.4	161.782	434.453
CalMat Co.	0.0	0.000%	0.000	0.0	0.0	0.000	0.000
CCG Ontario, LLC	0.0	0.000%	0.000	0.0	0.0	0.000	0.000
City of Ontario (Non-Ag)	1,508.1	39.060%	289.822	2,966.0	6.3	297.599	587.421
County of San Bernardino (Non-Ag)	57.0	1.476%	10.954	133.9	0.3	13.981	24.935
General Electric Company	0.0	0.000%	0.000	0.0	0.0	0.000	0.000
GenOn California South, LP	18.2	0.470%	3.489	954.5	2.0	95.871	99.360
Hamner Park Associates, a California Limited Partnership	303.6	7.863%	58.346	464.2	1.0	46.937	105.283
Monte Vista Water District (Non-Ag)	15.0	0.389%	2.885	50.0	0.1	5.992	8.877
Praxair, Inc.	0.0	0.000%	0.000	1.0	0.0	0.999	0.999
Riboli Family and San Antonio Winery, Inc.	25.6	0.662%	4.914	0.0	0.0	0.000	4.914
Southern Service Company	22.7	0.588%	4.365	18.8	0.0	1.997	6.362
Space Center Mira Loma, Inc.	93.7	2.427%	18.009	104.1	0.2	10.985	28.994
TAMCO	9.7	0.251%	1.862	42.6	0.1	4.993	6.855
West Venture Development Company	0.0	0.000%	0.000	0.0	0.0	0.000	0.000
<b>TOTAL</b>	<b>3,861.0</b>	<b>100.000%</b>	<b>742.000</b>	<b>7,350.3</b>	<b>15.7</b>	<b>742.000</b>	<b>1,484.000</b>

# CHINO BASIN WATERMASTER

## II. BUSINESS ITEMS

- A. TASK ORDER NO. 6 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS: WATER DEMAND PROJECTIONS BASED ON LAND USE



# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, CA 91730  
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**PETER KAVOUNAS, P.E.**  
General Manager

## STAFF REPORT

DATE: July 9, 2020

TO: AP/ONAP/OAP Members

SUBJECT: Task Order No. 6 Under Master Agreement for Collaborative Projects: Water Demand Projections Based on Land Use (Business Item II.A.)

### SUMMARY:

Issue: Task Order No. 6 will allow Watermaster and IEUA to collaborate and cost share the Land Use Model Update effort.

Recommendation: Recommend to the Advisory to Committee to approve the Task Order No. 6 as presented

Financial Impact: This expense has not been included in the FY 2020/21 budget as the item was presented to Watermaster after the approval on the FY 2020/21 budget. A budget amendment for the Watermaster portion of the costs of \$116,138.50 is necessary and presented as separate agenda item.

### Future Consideration

**Appropriative Pool – July 09, 2020:** Advice and Assistance

**Non-Agricultural Pool – July 09, 2020:** Advice and Assistance

**Agricultural Pool – July 09, 2020:** Advice and Assistance

**Advisory Committee – July 16, 2020:** Approve

**Watermaster Board – July 23, 2020:** Approve [Advisory Committee Approval Required]

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### ACTIONS:

**Appropriative Pool – July 09, 2020:**

**Non-Agricultural Pool – July 09, 2020:**

**Agricultural Pool – July 09, 2020:**

**Advisory Committee – July 16, 2020:**

**Watermaster Board – July 23, 2020:**

*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 2015, a land use-based water demand model (Model) was developed as part of the 2015 IEUA Urban Water Management Plan (UWMP). The Model was based on General Plan land use data of existing and future development in each city and retail agency boundaries within the IEUA service area. The various land use categories were grouped into 13 categories that were utilized for the development of corresponding water unit use factors and demands. This Model was capable of forecasting water demands for each city and retail agency in order to be totaled as a regional demand for the IEUA service area. This year, IEUA intends to update the Model to reflect existing and future developments based on the current General Plans grouped within the 13 established land use categories. Based on the recommendation during the 2019 Regional Contract Negotiations, the 2020 Model will develop unit use factor to project demands for water, recycled water, and wastewater in 5-year increments to the furthest build-out date.

As a result of communications between IEUA and Watermaster staff regarding land use category information for evaluations such as safe-yield, IEUA approached Watermaster in early June 2020 to see if potential efficiencies could be gained if Watermaster's engineer were to develop the Model update. Based on these discussions, it was concluded that, if the Model update is performed by WEI, efficiencies would be gained by avoiding duplicate efforts in forecasting water demands and wastewater generation within the Chino Basin.

The scope of work includes updating the 2015 Model with 2020 conditions by collecting data from each retail agency within the IEUA service area with the addition of the City of Pomona and Jurupa Community Services District. The combined effort will provide water and wastewater demand forecasts for the next 25 years by individual agency and collectively for IEUA and Watermaster. The Model will be used in preparation of planning documents such as Ten-Year Forecasts, the Urban Water Management Plan, the Integrated Resources Plan, and other forecasting efforts by Watermaster for different planning efforts and reports.

## DISCUSSION

Watermaster will benefit from participating in this effort because:

- The output for the 2020 Land Use Based Water Demand Model are projections of future water demands. Watermaster uses projections of future water demands in various efforts such as the modeling work to support planning and reporting.
- Watermaster's participation in the 2020 Land Use Model Update will meet Watermaster's recent objectives to eliminate duplicate data requests to the Parties and avoid discrepancies between datasets used in planning studies in the Chino Basin.
- The 2020 Land Use Model Update provides a framework to more efficiently obtain and update the GIS database of land use and projections of future water demands on a more frequent basis.

The total cost of this effort is \$232,277 dollars, Watermaster and IEUA will share this cost on a 50-50 basis. Watermaster's portion of the cost is \$116,138.50.

## ATTACHMENTS

1. Task Order No. 6 Under Master Agreement for Collaborative Projects: Land Use Model Update
2. [Exhibit A] 2020 Land Use Model Update Scope of Work

**MASTER AGREEMENT BETWEEN  
CHINO BASIN WATERMASTER AND INLAND EMPIRE UTILITIES AGENCY  
REGARDING THE MANAGEMENT OF COLLABORATIVE PROJECTS**

**TASK ORDER NO. 6  
2020 LAND USE DEMAND MODEL**

This Task Order is made and entered into as of the \_\_\_\_ day of July, 2020 by and between the Chino Basin Watermaster, hereinafter referred to as "Watermaster" and the Inland Empire Utilities Agency, hereinafter referred to as "IEUA" (each a "Party" and collectively, the "Parties").

In consideration of the mutual promises, covenants, and conditions as addressed in the Master Agreement between Chino Basin Watermaster and Inland Empire Utilities Agency Regarding Management of Collaborative Projects dated September 28, 2017 ("Master Agreement") and as specifically hereinafter set forth, the Parties do hereby agree as follows:

1. **PURPOSE**

The purpose of this Task Order is to govern the update of the Land Use Demand Model for IEUA. In 2015, a land use-based water demand model ("Model") was developed as part of the 2015 IEUA Urban Water Management Plan ("UWMP"). The Model was based on General Plan land use data of existing and future development in each city and retail agency boundaries within the IEUA service area. The various land use categories were grouped into 13 main categories that were utilized for the development of corresponding water unit use factors and demands. This Model was capable of forecasting water demands for each city and retail agency in order to be totaled as a regional demand for the IEUA service area.

In anticipation of developing the 2020 IEUA UWMP, IEUA intends to update the Model to reflect existing and future developments based on current General Plans with added unit use factors for water, recycled water, and wastewater demands in five year increments to the furthest build-out date. In communication between IEUA and Watermaster, it was recommended that the services of Watermaster's engineer, Wildermuth Environmental, Inc. ("WEI"), be retained to update the Model and minimize duplication of efforts by both IEUA and Watermaster.

For the benefit of IEUA and Watermaster, Watermaster will contract the services of WEI to provide Engineering and modeling services to update the Model.

2. **SCOPE**

WEI will serve as the consultant to update the Model with oversight and input from IEUA and Watermaster. WEI and their subconsultant Karen Johnson will coordinate with each city and retail agency to collect the relevant General Plan information to update the

Model. All work will be completed in a timely manner and will meet the proposed schedule within reasonable circumstance. The request for proposal and planned scope of work encompassed by this Task Order is attached hereto as **Exhibit A**.

3. **IEUA RESPONSIBILITIES**

IEUA agrees it and its employees and consultants will cooperate with Watermaster and its contractors in the performance of services under this Task Order and will provide any necessary documentation and information in IEUA's possession. IEUA will also reimburse Watermaster for services described in Section 4.

4. **WATERMASTER RESPONSIBILITIES**

Watermaster agrees to provide project management and contract administration services that include, but are not limited to:

- Engagement and management of consulting services as needed;
- Coordination and communication with the project team;
- Providing access to associated available information and data; and,
- Payment of consultant invoices.

5. **TOTAL BUDGET AND COST ALLOCATION**

Unless the scope of work is changed, and an increase is authorized by the Parties, the total projected cost for the activities to be undertaken pursuant to this Task Order is two hundred and thirty two thousand two hundred seventy seven dollars (\$232,277) ("Budget"). The Parties agree that the Budget is shared equally, as shown in the table below. The Parties shall budget, pursuant to their own budget mechanism, such that each is able to expend the amounts shown in the Fiscal Years shown in the table below, or as amended to this Task Order.

<b>Entity</b>	<b>Fiscal Year [2020/21]</b>
Watermaster	\$116,138.50
IEUA	\$116,138.50
<b>Total</b>	<b>\$232,277</b>

6. **TOTAL BUDGETED COST**

The Parties agree to pay their respective portion of the total costs. The Parties shall not be required to pay more than \$232,277 (“Total Budgeted Cost”).

7. MAXIMUM COSTS TO WATERMASTER

The costs to be required of Watermaster under this Agreement shall not exceed its share of the Total Budgeted Cost, as shown in Section 5 above, or \$116,138.50.

8. MAXIMUM COSTS TO IEUA

The costs to be required of IEUA under this Agreement shall not exceed its share of the Total Budgeted Cost, as shown in Section 5 above, or \$116,138.50.

9. TERM

Work to be undertaken pursuant to this Task Order shall be initiated upon the Effective Date, as described in Section 11, below. The terms of this Task Order shall remain effective until Watermaster’s receipt of IEUA’s share of costs expended, so that IEUA may close out the activities.

10. REIMBURSEMENT

IEUA’s reimbursement of Watermaster for work performed under this Task Order shall be as provided in Article 3 of the September 2017 Master Agreement.

11. EFFECTIVE DATE

This Task Order No. 6 will become effective upon execution by both Parties.

IN WITNESS WHEREOF, the Parties have executed this Agreement on the day and year and at the place first above written.

CHINO BASIN WATERMASTER

By \_\_\_\_\_  
PETER KAVOUNAS  
General Manager

INLAND EMPIRE UTILITIES AGENCY

By \_\_\_\_\_  
SHIVAJI DESHMUKH  
General Manager

DRAFT

**Table 1**  
**Work Breakdown Structure and Line-Item Fee Estimate**  
**2020 Land Use Based Water Demand Model Update**

Description	Notes	Labor (person hours)								Other Direct Charges				Total Project Costs	
		WEI Staff				Karen Johnson	Task Rep Mult	Total Labor		Travel	Repro-duction	Total ODCs		Subtask	Task
		Principal II	Senior II	Staff II	Tech Editor			Person Hours	Cost						
									Subtask			Task	Subtask	Task	
<b>Task 1 - Define objectives and fine-tune scope of work</b>		<b>\$10,294</b>								<b>\$220</b>				<b>\$10,514</b>	
1.1	Prepare for and attend kick-off meeting	4	8			4	1	16	\$3,376		\$110		\$110		\$3,486
1.2	Develop list of data needs based on kick-off meeting		6			2	1	8	\$1,568						\$1,568
1.3	Review list with IEUA and Watermaster and update per discussion		4				1	4	\$812						\$812
1.4	Draft document summarizing schedule, data needs, collection process, methodology	4	4			2	1	10	\$2,214						\$2,214
1.5	Prepare for and attend Workshop #1 with IEUA staff and its agencies	a	8			4	1	12	\$2,324	\$110		\$110		\$2,434	
<b>Task 2 - Collect and compile data</b>		<b>\$18,826</b>								<b>\$0</b>				<b>\$18,826</b>	
2.1	Collect and compile GIS shapefiles developed in 2015 of existing and future land use, boundary files, and available aerial photography from IEUA		1	3			1	4	\$695						\$695
2.2	Collect and compile available GIS shapefiles of existing (2019/2020), general plan land uses, boundary files, and aerial photography														
2.2.1	Cities (7) and county (1) within IEUA's sphere of influence (SOI)		2	6		2	1	10	\$1,740						\$1,740
2.2.2	Additional Watermaster agencies (JCSD and Pomona) cities (3) and counties (1)		8	16		4	1	28	\$4,948						\$4,948
2.3	Collect and compile water billing data for previous 5 years, and any water demand unit factors from water agencies and cities														
2.3.1	IEUA agencies (8)					24	1	24	\$4,200						\$4,200
2.3.2	Additional Watermaster agencies (JCSD and Pomona)					6	1	6	\$1,050						\$1,050
2.4	Collect and compile sewer flow data, sewer master plans, and any flow factors from sewer collection agencies (7)		4	4		27	1	35	\$6,193						\$6,193
<b>Task 3 - Update land use data into categories</b>		<b>\$81,168</b>								<b>\$2,335</b>				<b>\$83,503</b>	
3.1	Develop list of land use categories based on IEUA and Watermaster's needs	2	4			2	1	8	\$1,688						\$1,688
3.2	Review list with IEUA and Watermaster and update per discussion		2			2	1	4	\$756						\$756
3.3	Develop the existing (2020) land use shapefiles modifying existing land use datasets														
3.3.1	for IEUA agencies, update 2015 shapefiles based on comparison of 2014 data and 2019 aerials; land uses may need to be modified for new categories	4	12	36		16	1	68	\$12,192						\$12,192
3.3.2	for additional Watermaster agencies (JCSD and Pomona) using Watermaster's land use database, any other data provided by the agencies, or generate from aerials	4	16	24		8	1	52	\$9,636						\$9,636
3.4	Prepare draft maps of existing land uses for each land use agency														
3.4.1	IEUA agencies (7 cities)		8	16			1	24	\$4,248		\$140	\$140		\$4,388	
3.4.2	Additional Watermaster agencies (cities of Eastvale, Jurupa Valley and Pomona)		4	8			1	12	\$2,124		\$60	\$60		\$2,184	
3.5	Develop draft future land use shapefiles based on vacant lands and changed land uses	4	30	70		16	1	120	\$21,422					\$21,422	

**Table 1**  
**Work Breakdown Structure and Line-Item Fee Estimate**  
**2020 Land Use Based Water Demand Model Update**

Description	Notes	Labor (person hours)								Other Direct Charges				Total Project Costs	
		WEI Staff				Karen Johnson	Task Rep Mult	Total Labor		Travel	Repro-duction	Total ODCs		Subtask	Task
		Principal II	Senior II	Staff II	Tech Editor			Person Hours	Cost						
									Subtask			Task	Subtask	Task	
3.6 Prepare draft maps of future land uses for each land use agency															
3.6.1 IEUA agencies (7 cities)			8	24			1	32	\$5,560			\$840	\$840		\$6,400
3.6.2 Additional Watermaster agencies (cities of Eastvale, Jurupa Valley and Pomona)			4	12			1	16	\$2,780			\$360	\$360		\$3,140
3.7 Review the existing and future land use maps with each land use agency for review and determine development year															
3.7.1 IEUA agencies (7 cities plus San Antonio Water Company or County)			40				1	55	\$10,745	\$605		\$605		\$11,350	
3.7.2 Additional Watermaster agencies (cities of Eastvale, Jurupa Valley and Pomona)			15				1	25	\$4,795	\$330		\$330		\$5,125	
3.8 Update existing and future land use shapefiles per comets received		4	6	18			1	28	\$5,222					\$5,222	
<b>Task 4 - Update water demands and wastewater unit factors</b>									<b>\$44,346</b>			<b>\$2,200</b>		<b>\$46,546</b>	
4.1 Analyze water consumption data to disaggregate into land use categories and identify unique water users for each agency		4	8				1	52	\$9,676					\$9,676	
4.2 Develop assumptions for wastewater unit factors for appropriate land use types		4	4	8			1	40	\$7,376					\$7,376	
4.3 Review data and resulting unit factors with IEUA and its agencies															
4.3.1 Water demand factors with IEUA agencies (8)			32				1	64	\$12,096	\$880		\$880		\$12,976	
4.3.2 Water demand factors with additional Watermaster agencies (JCSD and Pomona)			8				1	16	\$3,024	\$440		\$440		\$3,464	
4.3.3 Wastewater factors with sewer agencies (Regional Contracting Agencies are 6 IEUA cities CVWD)			12				1	36	\$6,636	\$880		\$880		\$7,516	
4.4 Review data and water demand and wastewater unit factors with IEUA and Watermaster			2				1	10	\$1,806					\$1,806	
4.5 Update information based on input and additional data from each agency		2	2				1	20	\$3,732					\$3,732	
<b>Task 5 - Develop adjustment factors</b>									<b>\$9,088</b>			<b>\$0</b>		<b>\$9,088</b>	
5.1 Review documentation, where available, on the impacts of socio-economic conditions, climate change, densification of existing lands, conservation, etc. on water demands			6				1	22	\$4,018					\$4,018	
5.2 Update adjustment factors, as needed, for existing and future conditions based on socio-economic conditions, climate change, densification of existing lands, conservation, and unbilled consumption	b	4	6				1	26	\$5,070					\$5,070	
<b>Task 6 - Prepare water demand and wastewater generation forecast model</b>									<b>\$14,086</b>			<b>\$0</b>		<b>\$14,086</b>	
6.1 Prepare spreadsheet model that estimates water demands and wastewater projections for each agency based on land use and unit factors in 5-year increments from 2020-2050		2	8				1	16	\$3,200					\$3,200	
6.2 Draft tables and graphics summarizing model results		2	6	10			1	22	\$4,084					\$4,084	
6.3 Prepare for and attend Workshop #2 with IEUA staff and its agencies on model results	c		6				1	12	\$2,268					\$2,268	
6.4 Update model based on comments received at workshop		2	8	6			1	24	\$4,534					\$4,534	
<b>Task 7 - Prepare Technical Memorandum and Final Deliverables</b>									<b>\$30,330</b>			<b>\$700</b>		<b>\$31,030</b>	
7.1 Draft technical memorandum		8	32	12	8		1	96	\$17,908					\$17,908	

**Table 1  
Work Breakdown Structure and Line-Item Fee Estimate  
2020 Land Use Based Water Demand Model Update**

Description	Notes	Labor (person hours)							Other Direct Charges				Total Project Costs		
		WEI Staff				Karen Johnson	Task Rep Mult	Total Labor		Travel	Repro-duction	Total ODCs		Subtask	Task
		Principal II	Senior II	Staff II	Tech Editor			Person Hours	Cost						
									Subtask			Task			
7.2 Review technical memorandum with IEUA and Watermaster staff			6			4	1	10	\$1,918					\$1,918	
7.3 Finalize technical memorandum	d	4	8	6	4	8	1	30	\$5,580		\$600	\$600		\$6,180	
7.4 Prepare deliverable of final data/document including the shapefiles of existing and future land uses with metadata and the model with instructions on how to use and update			12	12	4		1	28	\$4,924		\$100	\$100		\$5,024	
<b>Task 8 - Project management, monthly meetings and as-needed conference calls</b>									<b>\$18,024</b>			<b>\$660</b>		<b>\$18,684</b>	
8.1 Prepare for and participate in monthly meetings with IEUA and Watermaster staff	e		24			12	1	36	\$6,972	\$660		\$660		\$7,632	
8.2 Prepare for and participate in up to four conference calls with IEUA and Watermaster staff			2			2	4	16	\$3,024					\$3,024	
8.3 Project management	e	2	4				6	36	\$8,028					\$8,028	
<b>Total Project excluding Watermaster Agencies</b>		<b>64</b>	<b>355</b>	<b>231</b>	<b>16</b>	<b>380</b>		<b>1046</b>	<b>\$195,361</b>	<b>\$3,245</b>	<b>\$1,680</b>		<b>\$4,925</b>		<b>\$200,286</b>
<b>Total Project including Watermaster Agencies</b>		<b>70</b>	<b>416</b>	<b>291</b>	<b>16</b>	<b>420</b>		<b>1213</b>	<b>\$226,162</b>	<b>\$4,015</b>	<b>\$2,100</b>		<b>\$6,115</b>		<b>\$232,277</b>

- a -- Workshop #1 will consist of an overview of the data needs, collection process, model update and schedule
- b -- The water demands projections and adjustment factors will be reviewed in Workshop #2 (Task 6.5)
- c -- Workshop #2 will consist of an overview of the demand forecasting model for each agency and IEUA
- d - Assumes 5 hard copies of the technical memorandum will be prepared
- e - Assumes a project duration of six months

DRAFT

# CHINO BASIN WATERMASTER

## II. BUSINESS ITEMS

### B. BUDGET AMENDMENT FORM A-20-07-01



# CHINO BASIN WATERMASTER

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

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 9, 2020  
TO: AP/ONAP/OAP Members  
SUBJECT: Fiscal Year 2020/21 Budget Amendment (Form A-20-07-01)  
(Business Item II.B.)

### SUMMARY

Issue: Task Order No. 6 in the amount of \$116,139 was not budgeted for in the FY 2020/21 Budget. The Watermaster FY 2020/21 "Approved" budget needs to be increased by an additional \$116,139.

Recommendation: Recommend Advisory Committee approval.

Financial Impact: This action will increase the overall "Approved" FY 2020/21 budget from \$9,007,955 to \$9,124,094, and increase of \$116,139. The Assessment calculation will be increased by the same amount, when the Assessment Package is approved in November 2020.

### Future Consideration

**Appropriative Pool – July 9, 2020:** Recommend Advisory Committee approval  
**Non-Agricultural Pool – July 9, 2020:** Recommend Advisory Committee approval  
**Agricultural Pool – July 9, 2020:** Recommend Advisory Committee approval  
**Advisory Committee – July 16, 2020:** Approval  
**Watermaster Board – July 23, 2020:** Adoption (Advisory Committee approval required)

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### ACTIONS:

**Appropriative Pool – July 9, 2020:**  
**Non-Agricultural Pool – July 9, 2020:**  
**Agricultural Pool – July 9, 2020:**  
**Advisory Committee – July 16, 2020:**  
**Watermaster Board – July 23, 2020:**

*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

Utilizing the Watermaster's accounting software (QuickBooks Enterprise Solutions 18.0), on a continuing basis the Watermaster staff reviews the budget vs. actual reports and ensures that adequate budget and funds are maintained. Watermaster also provides monthly financial reports to keep all members apprised of the actual and projected total expenses for the current fiscal year. Watermaster also provides a process for reallocating budget to other expense categories to provide continued funding, or amending the approved budget to ensure the categories are funded properly.

Budget Amendment Policy: If there are no budgeted funds available to transfer to the line item, the GM will submit a Budget Amendment request to the Pools, Advisory Committee, and then to the Board for formal approval. The Budget Amendment should indicate the anticipated source of funding for the approved increase.

All Budget Amendments are processed in and recorded in the accounting system.

## DISCUSSION

In 2015, a land use-based water demand model (Model) was developed as part of the 2015 IEUA Urban Water Management Plan (UWMP). The Model was based on General Plan land use data of existing and future development in each city and retail agency boundaries within the IEUA service area. The various land use categories were grouped into 13 categories that were utilized for the development of corresponding water unit use factors and demands. This Model was capable of forecasting water demands for each city and retail agency in order to be totaled as a regional demand for the IEUA service area. This year, IEUA intends to update the Model to reflect existing and future developments based on the current General Plans grouped within the 13 established land use categories. Based on the recommendation during the 2019 Regional Contract Negotiations, the 2020 Model will develop unit use factor to project demands for water, recycled water, and wastewater in 5-year increments to the furthest build-out date.

As a result of communications between IEUA and Watermaster staff regarding land use category information for evaluations such as safe-yield, IEUA approached Watermaster to see if potential efficiencies could be gained if Watermaster's engineer were to develop the Model update. Based on these discussions, it was concluded that, if the Model update is performed by WEI, efficiencies would be gained by avoiding duplicate efforts in forecasting water demands and wastewater generation within the Chino Basin.

The scope of work includes updating the 2015 Model with 2020 conditions by collecting data from each retail agency within the IEUA service area with the addition to the City of Pomona and Jurupa Community Services District. The combined effort will provide water and wastewater demand forecasts for the next 25 years by individual agency and collectively for IEUA and Watermaster. The Model will be used in preparation of planning documents such as Ten-Year Forecasts, the Urban Water Management Plan, the Integrated Resources Plan and other forecasting efforts by Watermaster like Safe Yield recalculation, and Storage Management.

Watermaster will benefit from participating in this effort because:

- The output for the 2020 Land Use Based Water Demand Model are projections of future water demands. Watermaster uses projections of future water demands in various efforts such as the modeling work to support the safe yield recalculation.
- Watermaster's participation in the 2020 Land Use Model Update will meet Watermaster's recent objectives to eliminate duplicate data requests to the Parties and avoid discrepancies between datasets used in planning studies in the Chino Basin.
- The 2020 Land Use Model Update provide a framework to more efficiently obtain and update the GIS database of land use and projections of future water demands on a more frequent basis.

*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*

The total cost of this effort is \$232,277 dollars, Watermaster and IEUA will share this cost on a 50-50 basis. Watermaster portion of the cost is \$116,139. A general ledger account (6906.19) will be created to capture the budget addition and associated expenses.

ATTACHMENTS

1. Budget Amendment (Form A-20-07-01)



**CHINO BASIN WATERMASTER**  
**BUDGET AMENDMENT FORM A-20-07-01**

To: **All Parties**Fiscal Year 2020/21From : Joseph S. Joswiak, CFO Date: July 9, 2020

**Describe reason for the budget amendment here:** The original budget for FY 2020/21, which was approved by the Advisory Committee on May 14, 2020 and adopted by the Board on May 21, 2020 for \$9,007,955 (excluding any Carry-Over funding), did not include the amount of \$116,139 for the 2020 Land Use Model Update under Task Order No. 6. A Budget Amendment Form is proposed to increase the total Watermaster FY 2020/21 budget from \$9,007,955 to \$9,124,094 (excluding any Carry-Over funding). The additional funding of \$116,139 will be included in the FY 2020/21 Assessment Package invoicing which usually is approved during the November time frame. No Special Assessment is required at this time to fund the Budget Amendment.

<b>Expenditure Amendment</b>				
<i>Line Item Description</i>	<i>Account Number</i>	<i>Approved Budget</i>	<i>Amended Budget</i>	<i>Amendment Amount</i>
2020 Land Use Model Update	6906.19	\$0	\$116,139	\$116,139
<b>TOTAL:</b>				<b>\$ 116,139</b>

<b>Revenue Source</b>				
<i>Line Item Description</i>	<i>Account Number</i>	<i>Amended Budget</i>	<i>Approved Budget</i>	<i>Amendment Amount</i>
FY 2020/21 Assessment Package	9999	\$9,124,094	\$9,007,955	(\$116,139)
<b>TOTAL:</b>				<b>\$ (116,139)</b>

<b>Amendment Procedure</b>	<b>Finance Use Only</b>
<ol style="list-style-type: none"> <li>1. Staff takes amendment requests to the Pools, Advisory Committee &amp; Board for approval.</li> <li>2. The Chief Financial Officer will prepare and process the budget entry.</li> <li>4. A log will be maintained by the Finance Department detailing the adjustment.</li> <li>5. A fiscal year file will also be kept to hold all budget amendment forms for auditor review.</li> </ol>	Date Board Approved _____ Entered into System By _____ Finance Log # _____ Date Posted _____ Approved By _____ Date Approved _____

# **CHINO BASIN WATERMASTER**

## **II. BUSINESS ITEMS**

### **C. OBMPU IMPLEMENTATION PLAN/PEACE AGREEMENT AMENDMENT (FOR DISCUSSION AND POSSIBLE ACTION)**



# CHINO BASIN WATERMASTER

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

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 9, 2020

TO: AP/ONAP/OAP Members

SUBJECT: 2020 OBMP Implementation Plan Update and Peace Agreement Amendment Drafting  
(Business Item II.C.)

### SUMMARY:

Issue: 2020 OBMP Implementation Plan Update and Peace Agreement Amendment drafting format needs to be developed by the parties.

Recommendation: Offer suggestions to Watermaster staff.

Financial Impact: There is no financial impact to Watermaster as a result of the recommendation.

### Future Consideration

**Appropriative Pool – July 9, 2020:** Advice and Assistance  
**Non-Agricultural Pool – July 9, 2020:** Advice and Assistance  
**Agricultural Pool – July 9, 2020:** Advice and Assistance  
**Advisory Committee – July 16, 2020:** Advice and Assistance  
**Watermaster Board – July 23, 2020:** Direction to staff

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### ACTIONS:

**Appropriative Pool – July 9, 2020:**  
**Non-Agricultural Pool – July 9, 2020:**  
**Agricultural Pool – July 9, 2020:**  
**Advisory Committee – July 16, 2020:**  
**Watermaster Board – July 23, 2020:**

*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

During 2019 Watermaster staff and consultants solicited extensive input from all parties to update the Optimum Basin Management Program (OBMP), originally finalized in 2000. The 2020 OBMP was finalized in January 2020. In May 2020 the Watermaster Board approved the Storage Management Plan portion of the 2020 OBMP and directed staff to bring the entire 2020 OBMP for approval to the Board in September 2020.

Parties agreed to implement portions of the original OBMP by developing an Implementation Plan and memorialized their agreement in the Peace Agreement. For the parties to implement any aspect of the 2020 OBMP an Implementation Plan Update (IPU) and an amendment to the Peace Agreement (PAA) are required; according to the provisions of the Peace Agreement, agreement to any amendments needs to be unanimous by all parties.

In March 2020 Watermaster staff circulated a draft IPU as a starting point for drafting, and initiated drafting sessions for IPU and PAA. The drafting sessions were paused due to the pandemic, and ultimately discontinued as the Appropriative Pool (AP) sought to work internally first to develop a draft IPU.

## DISCUSSION

On May 27, 2020 the AP circulated its version of a draft IPU to other Pools and Watermaster and has requested feedback. Additionally, the AP has requested Watermaster to restart facilitation of the development and negotiations of the agreement.

Watermaster would like to receive suggestions from Parties on aspects of a facilitation process including starting dates, frequency of meetings, duration of meetings, overall schedule, etc.

# CHINO BASIN WATERMASTER

## II. BUSINESS ITEMS

### D. POTENTIAL OPTIONS TO ADDRESS LIMITATION ON STORAGE (FOR DISCUSSION AND POSSIBLE ACTION)



# CHINO BASIN WATERMASTER

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

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: July 9, 2020

TO: AP/ONAP/OAP Members

SUBJECT: Potential Options to Address Limitation on Storage (Business Item II.D.)

SUMMARY:

Issue: Watermaster needs input from Parties to address the potential exceedance of the approved Temporary Safe Storage Capacity.

Recommendation: Consider various options and offer input to Watermaster staff

Financial Impact: There is no financial impact to Watermaster as a result of this recommendation.

Future Consideration

**Appropriative Pool – July 9, 2020:** Advice and Assistance

**Non-Agricultural Pool – July 9, 2020:** Advice and Assistance

**Agricultural Pool – July 9, 2020:** Advice and Assistance

**Advisory Committee – Date TBD:** Advice and Assistance

**Watermaster Board – Date TBD:** Approval [Within WM Duties and Powers]

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ACTIONS:

**Appropriative Pool – July 9, 2020:**

**Non-Agricultural Pool – July 9, 2020:**

**Agricultural Pool – July 9, 2020:**

**Advisory Committee – Date TBD:**

**Watermaster Board – Date TBD:**

*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 2000, the management of the Chino Basin pursuant to the Optimum Basin Management Program Implementation Plan was the subject of the Final Program Environmental Impact Report for the Optimum Basin Management Program (PEIR). The PEIR analyzed the impacts of storage of water within the Basin within the 500,000 acre-feet Safe Storage Capacity, as defined within the OBMP Implementation Plan.

In 2017, the Inland Empire Utilities Agency ("IEUA") adopted Addendum No. 1 to the Optimum Basin Management Program Project, which found that the Safe Storage Capacity could be expanded to 600,000 acre-feet of managed storage through June 2021 without additional impacts to the Basin ("Temporary Safe Storage Capacity").

The Metropolitan Water District of Southern California ("MWD"), the Inland Empire Utilities Agency, Three Valleys Municipal Water District, and Watermaster have entered into a contract establishing the Dry Year Yield Program (DYYP). Under the provisions of the contract MWD has the right to put up to 25,000 acre-feet of water per year in the program, up to a maximum of 100,000 acre-feet.

Through June 30, 2019, approximately 549,240 acre-feet of the Temporary Safe Storage Capacity were occupied by water of the Parties and water stored by MWD pursuant to the DYYP. MWD has "put" an additional 17,350 acre-feet in the DYYP since July 1, 2019, bringing the balance of the DYYP to approximately 65,065 acre-feet.

Watermaster issued a Notice of Potential Limitation in March 2020 to advise the parties of the possibility that the water in storage is projected to approach the Temporary Safe Storage Capacity of 600,000 acre-feet. At that time Watermaster identified the need to develop a plan for orderly evacuation of water from storage for amounts that exceed the Temporary Safe Storage Capacity before June 30, 2021. A meeting on the subject was held among Watermaster staff and Pool Chairs on May 27, 2020. In response to Watermaster's request for suggestions, on May 28, 2020 the Appropriative Pool (AP) transmitted a letter with various options to be considered in addressing the issue (Attachment 1), and on June 11, 2020 the Overlying (Non-Agricultural) transmitted an email commenting that the suggestions made by the AP in its letter should be considered (Attachment 2.)

## DISCUSSION

Watermaster has the discretion to impose limitations on storage pursuant to the Judgment and the Peace Agreement. In addressing the potential limitations Watermaster's objectives are to comply with its responsibilities and to develop a simple-to-administer mechanism that minimizes risk to the parties's stored water.

Options presented by the AP in its May 27, 2020 letter are:

1. Prepayment of stored water for future desalter replenishment
2. Pre-emptive replenishment accounts that are not included in the storage cap (as was previously done)
3. Modifying the use of Court-approved overdraft by deferring the re-operation schedule, or
4. Approving the use of storage space up to 800,000 AF via an amendment to the existing EIR (as was previously done to temporarily increase the storage space to 600,000 AF)

Watermaster hopes to hear a presentation by the AP on the pros/cons of these options, and specifically the parties views on compliance of these options with provisions of the Judgment, the Peace Agreement, and various laws (e.g. CEQA.)

Any other preliminary thoughts by the Parties for consideration are welcome to be presented during the discussion; Watermaster may also present preliminary concepts.

The Watermaster Parties have developed, and the Watermaster Board has approved a Storage Management Plan, pursuant to which the OBMP Implementation Plan's Safe Storage Capacity concept would be replaced by a First Managed Storage Band comprising 800,000 acre-feet. IEUA has initiated the CEQA review process of the entire 2020 OBMP including this Storage Management Plan and is expected to consider certification of the SEIR in July 2020. Upon the agreement of the parties to amend the Peace Agreement in order to include the Storage Management Plan within the OBMP Implementation Plan, the Court could order Watermaster to implement the Plan and up to 800,000 acre-feet of storage space would be available for use, providing enough storage capacity to accommodate the parties' storage needs, including DYYF, in the foreseeable future.

#### ATTACHMENTS

1. May 28, 2020 Letter from the Appropriative Pool to Watermaster
2. June 11, 2020 email from the Overlying (Non-Agricultural) Pool

## Appropriative Pool

Chair: John Bosler

Vice-Chair: Cris Fealy

### *Chino Basin Watermaster*

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730

Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org



**May 28, 2020**

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

**Re: Notice of Potential Limitation on Local Storage**

Dear Peter,

The Appropriative Pool (Pool) is writing this letter in response to the Notice of Potential Limitation on Local Storage (Notice) received on March 27, 2020 in order to provide helpful possible solutions for the Watermaster family to consider. Per the notice, the total quantity of water stored in the Chino Basin (Basin) in excess of 600,000 acre-feet (AF) is subject to limitation by Watermaster including potential removal of water from storage. Due to receipt of the Notice and the current uncertainty surrounding groundwater storage, it is essential for the Pool to carefully consider any actions that will create a net gain in water to storage accounts beginning next fiscal year, including recycled water recharge and water transferred to the Parties through voluntary agreements.

The Pool believes there are storage solutions that would allow the parties to the Judgment to continue to store water in the Basin while the Implementation Plan and Agreement for storage management are finalized and approved. The Pool asks that Watermaster consider and, if necessary, implement potential interim options. Options to consider include:

1. Prepayment of stored water for future desalter replenishment,
2. Pre-emptive replenishment accounts that are not included in the storage cap (as was previously done),
3. Modifying the use of Court-approved overdraft by deferring the re-operation schedule, or
4. Approving the use of storage space up to 800,000 AF via an amendment to the existing EIR (as was previously done to temporarily increase the storage space to 600,000 AF).

The above options, or others identified by Watermaster, will enable Watermaster to fulfill its contractual obligations for storage of imported water by Metropolitan Water District, while allowing the parties to continue to operate in an efficient and cost-effective manner. Interim solutions will preserve the parties' beneficial use of the Basin's storage capacity consistent with

**May 28, 2020**  
**Mr. Peter Kavounas**  
**Notice of Potential Limitation on Local Storage**

the Judgment and will maximize the use of recycled water within the Basin. We look forward to collectively working towards a storage solution for all parties in the Chino Basin.

Sincerely,



John Bosler  
Appropriative Pool Chair

cc: Chino Basin Watermaster Pool Chairs  
Shivaji Deshmukh, Inland Empire Utilities Agency

**From:** Allen Hubsch <ahubsch@loeb.com>  
**Sent:** Thursday, June 11, 2020 12:44 PM  
**To:** Peter Kavounas <PKavounas@cbwm.org>  
**Cc:** Herrema, Brad <BHerrema@bhfs.com>; Geye, Brian <BGeye@autoclubspeedway.com>  
**Subject:** FW: AP Letter Regarding Notice of Limitation on Local Storage

Peter,

As I recall, you asked for comments by tomorrow regarding possible storage drawdown. Brian and I have reviewed the attached letter from John Bosler, and we think that the suggestions in it should be considered in order to avoid any loss of storage water by any party to the Judgment.

Thank you.

Allen

## **Allen W. Hubsch**

Please note that I am working remotely.

You may reach me on my direct dial at 310-282-2112 or on my cellphone at 213-712-2357.

You may also still reach me on my work email at [ahubsch@loeb.com](mailto:ahubsch@loeb.com).

*Partner*

*Real Estate*



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