

CHINO BASIN WATERMASTER



NOTICE OF MEETINGS

Thursday, March 10, 2016

- 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*

CHINO BASIN WATERMASTER

Thursday, March 10, 2016

- 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. – March 10, 2016

WITH

*Mr. Darron Poulsen, Chair
Mr. Todd Corbin, Vice-Chair*

At The Offices Of

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

AGENDA

CALL TO ORDER

AGENDA - ADDITIONS/REORDER

I. CONSENT CALENDAR

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

A. MINUTES

1. Minutes of the Appropriative Pool Meeting held February 11, 2016 (*Page 1*)

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of January 2016 (*Page 13*)
2. Watermaster VISA Check Detail for the month of January 2016 (*Page 25*)
3. Combining Schedule for the Period July 1, 2015 through January 31, 2016 (*Page 29*)
4. Treasurer's Report of Financial Affairs for the Period January 1, 2016 through January 31, 2016 (*Page 33*)
5. Budget vs. Actual Report for the Period July 1, 2015 through January 31, 2016 (*Page 37*)

C. OBMP SEMI-ANNUAL STATUS REPORTS 2013-2 AND 2014-1 (*Page 53*)

Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the Semi-Annual OBMP Status Reports 2013-2 and 2014-1, along with filing a copy with the Court, subject to any necessary non-substantive changes.

II. BUSINESS ITEMS

A. EAST DECLEZ BASIN (For Discussion and Possible Action)

Staff report to follow separately.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. February 26, 2016 Hearing
2. April 8, 2016 Hearing

B. CFO REPORT

None

C. GM REPORT

1. Overlying Non-Agricultural Pool Available Water Per Judgment Exhibit "G" (*Page 75*)
2. Appropriative Pool Voting on Advisory Committee
3. SGMA Update
4. UC Santa Cruz Report: An Evaluation of CA's Adjudicated Groundwater Basins
5. Business Plan Update
6. Other

IV. INFORMATION

1. Cash Disbursements for February 2016 (*Page 77*)
2. Recharge Investigations and Projects Committee (RIPCom) (*Page 89*)

V. POOL MEMBER COMMENTS

VI. OTHER BUSINESS

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

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

1. Appropriative Pool Strategic Planning Discussion

VIII. FUTURE MEETINGS AT WATERMASTER

3/10/16	Thu	9:00 a.m.	Appropriative Pool
3/10/16	Thu	11:00 a.m.	Non-Agricultural Pool
3/10/16	Thu	1:30 p.m.	Agricultural Pool
3/17/16	Thu	8:00 a.m.	Appropriative Pool Strategic Planning (Confidential Session Only)
3/17/16	Thu	9:00 a.m.	Advisory Committee
3/17/16	Thu	9:30 a.m.	Recharge Investigations and Projects Committee (RIPCom)
3/21/16	Mon	9:00 a.m.	Ground-Level Monitoring Committee
3/24/16	Thu	11:00 a.m.	Watermaster Board

ADJOURNMENT

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

11:00 a.m. – March 10, 2016

WITH

Mr. Brian Geye, Chair

Mr. Bob Bowcock, Vice-Chair

(800) 930-9525 PASS CODE: 917924

Call can be taken at

Chino Basin Watermaster

9641 San Bernardino Road

Rancho Cucamonga, CA 91730

AGENDA

CALL TO ORDER

ROLL CALL

AGENDA – ADDITIONS/REORDER

I. BUSINESS ITEMS - ROUTINE

A. MINUTES

1. Minutes of the Non-Agricultural Pool Meeting held February 11, 2016 (*Page 5*)

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of January 2016 (*Page 13*)
2. Watermaster VISA Check Detail for the month of January 2016 (*Page 25*)
3. Combining Schedule for the Period July 1, 2015 through January 31, 2016 (*Page 29*)
4. Treasurer's Report of Financial Affairs for the Period January 1, 2016 through January 31, 2016 (*Page 33*)
5. Budget vs. Actual Report for the Period July 1, 2015 through January 31, 2016 (*Page 37*)

C. OBMP SEMI-ANNUAL STATUS REPORTS 2013-2 AND 2014-1 (*Page 53*)

Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the Semi-Annual OBMP Status Reports 2013-2 and 2014-1, along with filing a copy with the Court, subject to any necessary non-substantive changes.

II. BUSINESS ITEMS

A. EAST DECLEZ BASIN (For Discussion and Possible Action)

Staff report to follow separately.

B. MEMBER STATUS CHANGES (For Discussion and Possible Action)

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

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. February 26, 2016 Hearing
2. April 8, 2016 Hearing

B. CFO REPORT

None

C. GM REPORT

1. Overlying Non-Agricultural Pool Available Water Per Judgment Exhibit "G" (*Page 75*)
2. Appropriative Pool Voting on Advisory Committee
3. SGMA Update
4. UC Santa Cruz Report: An Evaluation of CA's Adjudicated Groundwater Basins
5. Business Plan Update
6. Other

IV. INFORMATION

1. Cash Disbursements for February 2016 (*Page 77*)
2. Recharge Investigations and Projects Committee (RIPCom) (*Page 89*)

V. POOL MEMBER COMMENTS

VI. OTHER BUSINESS

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

Pursuant to the Non-Agricultural Pool Rules & Regulations, a Confidential Session may be held during the Watermaster Pool meeting for the purpose of discussion and possible action.

1. Safe Yield Reset

VIII. FUTURE MEETINGS AT WATERMASTER

3/10/16	Thu	9:00 a.m.	Appropriative Pool
3/10/16	Thu	11:00 a.m.	Non-Agricultural Pool
3/10/16	Thu	1:30 p.m.	Agricultural Pool
3/17/16	Thu	8:00 a.m.	Appropriative Pool Strategic Planning (Confidential Session Only)
3/17/16	Thu	9:00 a.m.	Advisory Committee
3/17/16	Thu	9:30 a.m.	Recharge Investigations and Projects Committee (RIPCom)
3/21/16	Mon	9:00 a.m.	Ground-Level Monitoring Committee
3/24/16	Thu	11:00 a.m.	Watermaster Board

ADJOURNMENT

**CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING**

1:30 p.m. – March 10, 2016

WITH

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

**At The Offices Of
Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, CA 91730**

AGENDA

CALL TO ORDER

AGENDA - ADDITIONS/REORDER

I. CONSENT CALENDAR

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

A. MINUTES

1. Minutes of the Agricultural Pool Meeting held February 11, 2016 (*Page 9*)

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of January 2016 (*Page 13*)
2. Watermaster VISA Check Detail for the month of January 2016 (*Page 25*)
3. Combining Schedule for the Period July 1, 2015 through January 31, 2016 (*Page 29*)
4. Treasurer's Report of Financial Affairs for the Period January 1, 2016 through January 31, 2016 (*Page 33*)
5. Budget vs. Actual Report for the Period July 1, 2015 through January 31, 2016 (*Page 37*)

C. OBMP SEMI-ANNUAL STATUS REPORTS 2013-2 AND 2014-1 (*Page 53*)

Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the Semi-Annual OBMP Status Reports 2013-2 and 2014-1, along with filing a copy with the Court, subject to any necessary non-substantive changes.

II. BUSINESS ITEMS

A. EAST DECLEZ BASIN (For Discussion and Possible Action)

Staff report to follow separately.

B. OLD BUSINESS

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. February 26, 2016 Hearing
2. April 8, 2016 Hearing

B. CFO REPORT

None

C. GM REPORT

1. Overlying Non-Agricultural Pool Available Water Per Judgment Exhibit "G" (Page 75)
2. Appropriative Pool Voting on Advisory Committee
3. SGMA Update
4. UC Santa Cruz Report: An Evaluation of CA's Adjudicated Groundwater Basins
5. Business Plan Update
6. Other

D. AGRICULTURAL POOL LEGAL COUNSEL REPORT

IV. INFORMATION

1. Cash Disbursements for February 2016 (Page 77)
2. Recharge Investigations and Projects Committee (RIPCom) (Page 89)

V. POOL MEMBER COMMENTS

VI. OTHER BUSINESS

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

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

VIII. FUTURE MEETINGS AT WATERMASTER

3/10/16	Thu	9:00 a.m.	Appropriative Pool
3/10/16	Thu	11:00 a.m.	Non-Agricultural Pool
3/10/16	Thu	1:30 p.m.	Agricultural Pool
3/17/16	Thu	8:00 a.m.	Appropriative Pool Strategic Planning (Confidential Session Only)
3/17/16	Thu	9:00 a.m.	Advisory Committee
3/17/16	Thu	9:30 a.m.	Recharge Investigations and Projects Committee (RIPCom)
3/21/16	Mon	9:00 a.m.	Ground-Level Monitoring Committee
3/24/16	Thu	11:00 a.m.	Watermaster Board

ADJOURNMENT

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

A. MINUTES

1. Appropriative Pool Meeting held on February 11, 2016

DRAFT MINUTES
CHINO BASIN WATERMASTER
APPROPRIATIVE POOL MEETING

February 11, 2016

The Appropriative Pool meeting was held at the offices of Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on February 11, 2016.

APPROPRIATIVE POOL MEMBERS PRESENT

Darron Poulsen, Chair	City of Pomona
Todd Corbin, Vice-Chair	Jurupa Community Services District
Rosemary Hoerning	City of Upland
Bob Page	County of San Bernardino
Dave Crosley	City of Chino
Teri Layton	San Antonio Water Company
Justin Scott-Coe	Monte Vista Water District
Van Jew	Monte Vista Irrigation Company
Ron Craig	City of Chino Hills
Jo Lynne Russo-Pereyra for Marty Zvirbulis	Cucamonga Valley Water District
Josh Swift	Fontana Water Company
Cris Fealy	Fontana Union Water Company
Ryan Shaw for Scott Burton	City of Ontario
J. Arnold Rodriguez	Santa Ana River Water Company

WATERMASTER BOARD MEMBER PRESENT

Bob Kuhn	Three Valleys Municipal Water District
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WATERMASTER STAFF PRESENT

Peter Kavounas	General Manager
Danielle Maurizio	Assistant General Manager
Joseph Joswiak	Chief Financial Officer
Anna Truong	Recording Secretary

WATERMASTER CONSULTANTS PRESENT

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

OTHERS PRESENT

Pete Hall	State of California – CIM
Raul Garibay	City of Pomona
David DeJesus	Three Valleys Municipal Water District
Curtis Paxton	Chino Basin Desalter Authority
Sheri Rojo	Fontana Water Company
Andy Campbell	Inland Empire Utilities Agency
Charles Moorrees	San Antonio Water Company
Eunice Ulloa	Chino Basin Water Conservation District
John Bosler	Cucamonga Valley Water District
Vivian Castro	Chino Basin Water Conservation District
Meg McWade	City of Pomona

CALL TO ORDER

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

AGENDA - ADDITIONS/REORDER

None

I. CONSENT CALENDAR

A. MINUTES

1. Minutes of the Annual Appropriative Pool Meeting held January 14, 2016

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of December 2015
2. Watermaster VISA Check Detail for the month of December 2015
3. Combining Schedule for the Period July 1, 2015 through December 31, 2015
4. Treasurer's Report of Financial Affairs for the Period December 1, 2015 through December 31, 2015
5. Budget vs. Actual Report for the Period July 1, 2015 through December 31, 2015

C. SAN ANTONIO WATER COMPANY – APPLICATION FOR RECHARGE

Notice of Application for Recharge – On January 22, 2016, San Antonio Water Company submitted an Application for Recharge for up to 200.000 acre-feet to be recharged into Montclair 2, 3, and 4, and Brooks recharge basins.

(0:00:37)

Motion by Mr. Justin Scott-Coe, seconded by Ms. Rosemary Hoerning, and by unanimous vote

Moved to approve the Consent Calendar as presented

II. BUSINESS ITEMS

A. MID-YEAR REVIEW OF FISCAL YEAR 2015/16 (Information Only)

(0:00:57) Mr. Joswiak gave a presentation. A discussion ensued.

(0:44:47)

Motion by Ms. Jo Lynne Russo-Pereyra, seconded by Mr. Van Jew, and by unanimous vote

Moved to receive and file Business Item II.A., the Mid-Year Review of FY 2015/16 as presented

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. Motion re Board Reappointment
2. Motion re 2015 Safe Yield Reset Agreement
3. Non-Ag Pool Request for Entry of Order re Filing and Service

(0:48:07) Mr. Herrema gave a report. A discussion ensued.

B. CFO REPORT

None

C. GM REPORT

1. Basin Boundary Modification Update
2. Business Plan Update
3. Overlying Non-Agricultural Pool Available Water Per Restated Judgment Exhibit "G"
4. Other

(0:53:39) Mr. Kavounas gave a report and also added an item regarding the Chino Creek Wellfield coming online on February 1, 2016 and that Hydraulic Control has now officially been achieved in the Chino Basin. A discussion ensued.

IV. INFORMATION

1. Cash Disbursements for January 2016
2. Recharge Investigations and Projects Committee (RIPCom)

V. POOL MEMBER COMMENTS

(0:58:46) Ms. Jo Lynne Russo-Pereyra announced that CVWD is holding another Leadership Series on Emotional Intelligence at their facility on March 22, 2016 from 8:30 to 11:30am. The event is open to all interested parties; the cost of attendance is \$50 and includes breakfast and a book on the topic.

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

The Appropriative Pool convened into confidential session at 9:59 a.m. to discuss Appropriative Pool Strategic Planning. Confidential session concluded at 10:52 a.m. with no reportable action.

ADJOURNMENT

Chair Poulsen adjourned the Appropriative Pool meeting at 10:52 a.m.

Secretary: _____

Approved: _____

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CHINO BASIN WATERMASTER

I. BUSINESS ITEM ROUTINE

A. MINUTES

1. Non-Agricultural Pool Meeting held on February 11, 2016

DRAFT MINUTES
CHINO BASIN WATERMASTER
NON-AGRICULTURAL POOL MEETING

February 11, 2016

The Non-Agricultural Pool meeting was held at the offices of Chino Basin Watermaster and via conference call using the Chino Basin Watermaster conference call number on February 11, 2016.

NON-AGRICULTURAL POOL MEMBERS PRESENT AT WATERMASTER

Brian Geye, Chair	Auto Club Speedway
Bob Page	County of San Bernardino
Van Jew for Mark Kinsey	Monte Vista Water District

NON-AGRICULTURAL POOL MEMBERS PRESENT ON CALL

Bob Bowcock, Vice-Chair	Calmat Company (Vulcan Materials Co.)
David Penrice	Aqua Capital Management, LP
Michael Sigsbee for Tom O'Neill	Ontario City Non-Agricultural
Ken Jeske	California Steel Industries (CSI)

WATERMASTER STAFF PRESENT AT WATERMASTER

Peter Kavounas	General Manager
Danielle Maurizio	Assistant General Manager
Joseph Joswiak	Chief Financial Officer
Anna Truong	Recording Secretary

WATERMASTER CONSULTANTS PRESENT AT WATERMASTER

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

OTHERS PRESENT AT WATERMASTER

Pete Hall	State of California – CIM
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OTHERS PRESENT ON CALL

Ramsey Haddad	California Steel Industries (CSI)
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NON-AGRICULTURAL POOL LEGAL COUNSEL PRESENT ON CALL

Allen Hubsch	Hogan Lovells US, LLP
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CALL TO ORDER

Chair Geye called the Non-Agricultural Pool meeting to order at 11:03 a.m.

ROLL CALL

Ms. Truong conducted the roll call.

AGENDA – ADDITIONS/REORDER

None

I. BUSINESS ITEMS - ROUTINE

A. MINUTES

1. Minutes of the Annual Non-Agricultural Pool Meeting held January 14, 2016
2. Minutes of the Special Non-Agricultural Pool Meeting held January 27, 2016

(0:02:07)

Motion by Mr. Bob Page, seconded by Mr. Ken Jeske. 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.A. as presented.

Mr. Van Jew of Monte Vista Water District abstained.

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of December 2015
2. Watermaster VISA Check Detail for the month of December 2015
3. Combining Schedule for the Period July 1, 2015 through December 31, 2015
4. Treasurer's Report of Financial Affairs for the Period December 1, 2015 through December 31, 2015
5. Budget vs. Actual Report for the Period July 1, 2015 through December 31, 2015

(0:02:38)

Motion by Mr. Bob Page, seconded by Mr. Ken Jeske. 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. SAN ANTONIO WATER COMPANY – APPLICATION FOR RECHARGE

Notice of Application for Recharge – On January 22, 2016, San Antonio Water Company submitted an Application for Recharge for up to 200,000 acre-feet to be recharged into Montclair 2, 3, and 4, and Brooks recharge basins.

(0:03:08)

Motion by Mr. Bob Page, seconded by Mr. Van Jew. The Chair called for dissent, and, none being noted, the motion was deemed passed by unanimous vote of those present.

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

II. BUSINESS ITEMS

A. MID-YEAR REVIEW OF FISCAL YEAR 2015/16 (Information Only)

(0:03:42) Mr. Joswiak gave a report. A discussion ensued.

(0:16:55)

Motion by Mr. Bob Page, seconded by Mr. Van Jew. 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 II.A. as presented.

B. SERVICE LIST (Discussion Only)

(0:17:34) Mr. Hubsch noted there was nothing controversial and suggested the item be taken in confidential session.

C. MEMBER STATUS CHANGES (For Discussion and Possible Action)

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

(0:18:03) Staff and Pool members had no changes to report.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. Motion re Board Reappointment
2. Motion re 2015 Safe Yield Reset Agreement
3. Non-Ag Pool Request for Entry of Order re Filing and Service

(0:18:21) Mr. Herrema gave a report. A discussion ensued.

B. CFO REPORT

None

C. GM REPORT

1. Basin Boundary Modification Update
2. Business Plan Update
3. Overlying Non-Agricultural Pool Available Water Per Restated Judgment Exhibit "G"
4. Other

(0:24:34) Mr. Kavounas gave a report and also added an item regarding the Chino Creek Wellfield coming online on February 1, 2016 and that Hydraulic Control has now officially been achieved in the Chino Basin. A discussion ensued.

IV. INFORMATION

1. Cash Disbursements for January 2016
2. Recharge Investigations and Projects Committee (RIPCom)

V. POOL MEMBER COMMENTS

None

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

Chair Geye called for a confidential session at 11:31 a.m. to discuss the Safe Yield Reset and Non-Agricultural Pool service list. Confidential session concluded at 12:13 p.m. with no reportable action.

ADJOURNMENT

Chair Geye adjourned the Non-Agricultural Pool meeting at 12:14 p.m.

Secretary: _____

Approved: _____

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CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

A. MINUTES

1. Agricultural Pool Meeting held on February 11, 2016

DRAFT MINUTES
CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING

February 11, 2016

The Agricultural Pool meeting was held at the offices of Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on February 11, 2016.

AGRICULTURAL POOL MEMBERS PRESENT

Bob Feenstra, Chair	Dairy
Jeff Pierson, Vice-Chair	Crops
Carol Boyd	State of California – CIM
Bob Page	County of San Bernardino
Pete Hall	State of California – CIM
Larry Dimock	State of California – CIM
John Huitsing	Dairy
Ron LaBrucherie, Jr.	Crops
Rob Vanden Heuvel	Dairy

WATERMASTER BOARD MEMBERS PRESENT

Paul Hofer	Crops
Geoffrey Vanden Heuvel	Dairy

WATERMASTER STAFF PRESENT

Peter Kavounas	General Manager
Danielle Maurizio	Assistant General Manager
Joseph Joswiak	Chief Financial Officer
Anna Truong	Recording Secretary

WATERMASTER CONSULTANTS PRESENT

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

OTHERS PRESENT

Richard Rees	AMEC
Tom Ash	Inland Empire Utilities Agency

CALL TO ORDER

Chair Feenstra called the Agricultural Pool meeting to order at 1:32 p.m.

AGENDA - ADDITIONS/REORDER

None

I. CONSENT CALENDAR

A. MINUTES

1. Minutes of the Annual Agricultural Pool Meeting held January 14, 2016

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of December 2015
2. Watermaster VISA Check Detail for the month of December 2015
3. Combining Schedule for the Period July 1, 2015 through December 31, 2015
4. Treasurer's Report of Financial Affairs for the Period December 1, 2015 through December 31, 2015
5. Budget vs. Actual Report for the Period July 1, 2015 through December 31, 2015

C. SAN ANTONIO WATER COMPANY – APPLICATION FOR RECHARGE

Notice of Application for Recharge – On January 22, 2016, San Antonio Water Company submitted an Application for Recharge for up to 200.000 acre-feet to be recharged into Montclair 2, 3, and 4, and Brooks recharge basins.

(0:00:23)

*Motion by Vice-Chair Pierson, seconded by Ms. Carol Boyd, and by unanimous vote
Moved to approve Consent Calendar as presented*

II. BUSINESS ITEMS

A. MID-YEAR REVIEW OF FISCAL YEAR 2015/16 (Information Only)

(0:00:59) Mr. Joswiak gave a presentation. A discussion ensued.

(0:32:14)

*Motion by Vice-Chair Pierson, seconded by Mr. Bob Page, and by unanimous vote
Moved to receive and file Business Item II.A., the Mid-Year Review of FY 2015/16 as presented*

B. OLD BUSINESS

None

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. Motion re Board Reappointment
2. Motion re 2015 Safe Yield Reset Agreement
3. Non-Ag Pool Request for Entry of Order re Filing and Service

(0:32:59) Mr. Herrema gave a report. A discussion ensued.

B. CFO REPORT

None

C. GM REPORT

1. Basin Boundary Modification Update
2. Business Plan Update
3. Overlying Non-Agricultural Pool Available Water Per Restated Judgment Exhibit "G"
4. Other

(0:39:19) Mr. Kavounas gave a report and also added an item regarding the Chino Creek Wellfield coming online on February 1, 2016 and that Hydraulic Control has now officially been achieved in the Chino Basin. A discussion ensued.

D. AGRICULTURAL POOL LEGAL COUNSEL REPORT

None

IV. INFORMATION

1. Cash Disbursements for January 2016
2. Recharge Investigations and Projects Committee (RIPCom)

V. POOL MEMBER COMMENTS

(0:43:27) Mr. Pete Hall commented on page 167, the ACWA Conference expenses. A discussion ensued.

(0:45:04) Chair Feenstra introduced Mr. Tom Ash of Inland Empire Utilities Agency. Mr. Ash gave a report and a discussion ensued.

VI. OTHER BUSINESS

(0:58:33) Mr. Kavounas introduced Mr. Rick Zapien, Watermaster's new Field Operations Specialist.

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

None

ADJOURNMENT

Chair Feenstra adjourned the Agricultural Pool meeting at 2:34 p.m.

Secretary: _____

Approved: _____

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CHINO BASIN WATERMASTER

I. CONSENT CALENDAR (App & Ag Pool)

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of January 2016
2. Watermaster VISA Check Detail for the month of January 2016
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I. BUSINESS ITEM ROUTINE (Non-Ag Pool)

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of January 2016
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4. Treasurer's Report of Financial Affairs for the Period January 1, 2016 through January 31, 2016
5. Budget vs. Actual Report for the Period July 1, 2015 through January 31, 2016



CHINO BASIN WATERMASTER

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: March 10, 2016
TO: Pool Committee Members
SUBJECT: Cash Disbursement Report - Financial Report B1 (January 31, 2016)

SUMMARY

Issue: Record of Cash Disbursements for the month of January 31, 2016.

Recommendation: Receive and file Cash Disbursements for January 31, 2016 as presented.

Financial Impact: Funds disbursed were included in the FY 2015/16 "Amended" Watermaster Budget.

Future Consideration

Appropriative Pool: March 10, 2016; Receive and File

Non-Agricultural Pool: March 10, 2016; Receive and File

Agricultural Pool: March 10, 2016; Receive and File

Advisory Committee: March 17, 2016; Receive and File

Watermaster Board: March 24, 2016; Receive and File (Normal Course of Business)

ACTIONS:

March 10, 2016 – Appropriative Pool –

March 10, 2016 – Non-Agricultural Pool –

March 10, 2016 – Agricultural Pool –

March 17, 2016 – Advisory Committee –

March 24, 2016 – Watermaster Board –

BACKGROUND

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

DISCUSSION

Total cash disbursements during the month of January 2016 were \$322,673.66.

The most significant expenditures during the month were to Wildermuth Environmental, Inc. in the amount of \$138,064.96 (check number 19148 dated January 13, 2016).

ATTACHMENTS

1. Financial Report - B1

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2016

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	01/08/2016	ACH 010816	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	12/31/2015	12/31/2015	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 12/20/15-01/02/16	2000 · Accounts Payable	6,045.30
TOTAL						<u>6,045.30</u>
Bill Pmt -Check	01/12/2016	19117	CHARTER COMMUNICATIONS	8245100651455350	1012 · Bank of America Gen'l Ckg	
Bill	01/01/2016	8245100651455350		1/06/16-2/05/16	6053 · Internet Expense	68.97
TOTAL						<u>68.97</u>
Bill Pmt -Check	01/12/2016	19118	COSTCO WHOLESALE	7003-7309-1000-2744	1012 · Bank of America Gen'l Ckg	
Bill	12/31/2015	7003730910002744		Miscellaneous office supplies	6031.7 · Other Office Supplies	34.99
				Toner for various office printers	6031.7 · Other Office Supplies	657.89
TOTAL						<u>692.88</u>
Bill Pmt -Check	01/12/2016	19119	DE BOOM, NATHAN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	12/08/2015	12/08 Ag Pool Mtg		12/08/15 Ag Pool Meeting held at MPC	8470 · Ag Meeting Attend -Special	125.00
TOTAL						<u>125.00</u>
P15 Bill Pmt -Check	01/12/2016	19120	DE HAAN, HENRY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	12/08/2015	12/08 Ag Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				12/08/15 Ag Pool Meeting held at MPC	8470 · Ag Meeting Attend -Special	100.00
TOTAL						<u>125.00</u>
Bill Pmt -Check	01/12/2016	19121	DIRECTV	019447404	1012 · Bank of America Gen'l Ckg	
Bill	12/31/2015	019447404		12/19/15 - 1/18/16	6031.7 · Other Office Supplies	110.98
TOTAL						<u>110.98</u>
Bill Pmt -Check	01/12/2016	19122	EGOSCUE LAW GROUP	11113	1012 · Bank of America Gen'l Ckg	
Bill	12/31/2015	11113		Ag Pool Legal Services - December 2015	8467 · Ag Legal & Technical Services	15,685.00
TOTAL						<u>15,685.00</u>
Bill Pmt -Check	01/12/2016	19123	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	12/08/2015	12/08 Ag Pool Mtg		12/08/15 Ag Pool Special Meeting held at MPC	8470 · Ag Meeting Attend -Special	125.00
TOTAL						<u>125.00</u>
Bill Pmt -Check	01/12/2016	19124	HALL, PETE*	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	12/08/2015	12/08 Ag Pool Mtg		12/08/15 Ag Pool Meeting held at MPC	8470 · Ag Meeting Attend -Special	125.00
TOTAL						<u>125.00</u>
Bill Pmt -Check	01/12/2016	19125	HOGAN LOVELLS	2952391	1012 · Bank of America Gen'l Ckg	

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2016

	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
	Bill	12/01/2015	2952391		Non-Ag Pool Legal Services - November 2015	8567 · Non-Ag Legal Service	2,761.37
TOTAL							<u>2,761.37</u>
	Bill Pmt -Check	01/12/2016	19126	HUITSING, JOHN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	12/08/2015	12/08 Ag Pool Mtg		12/08/15 Ag Pool Meeting held at MPC	8470 · Ag Meeting Attend -Special	125.00
TOTAL							<u>125.00</u>
	Bill Pmt -Check	01/12/2016	19127	KOOPMAN, GENE	Ag Pool Member Meeting Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	12/08/2015	12/08 Ag Pool Mtg		12/08/15 Ag Pool Meeting held at MPC	8470 · Ag Meeting Attend -Special	125.00
TOTAL							<u>125.00</u>
	Bill Pmt -Check	01/12/2016	19128	OFFICE TEAM		1012 · Bank of America Gen'l Ckg	
	Bill	12/18/2015	44709042		Week ending 12/18/15	6017.2 · Office Specialist Services	1,108.00
	Bill	12/28/2015	44714703		Week ending 12/25/15	6017.2 · Office Specialist Services	443.20
TOTAL							<u>1,551.20</u>
	Bill Pmt -Check	01/12/2016	19129	PARK PLACE COMPUTER SOLUTIONS, INC.	506	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2015	506		IT Consulting Services - December 2015	6052.1 · Park Place Comp Solutn	1,950.00
TOTAL							<u>1,950.00</u>
	Bill Pmt -Check	01/12/2016	19130	PAYCHEX	2015122400	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2015	2015122400		December 2015	6012 · Payroll Services	260.90
TOTAL							<u>260.90</u>
	Bill Pmt -Check	01/12/2016	19131	PIERSON, JEFFREY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	12/08/2015	12/08 Ag Pool Mtg		12/08/15 Ag Pool Meeting held at MPC	8470 · Ag Meeting Attend -Special	125.00
TOTAL							<u>125.00</u>
	Bill Pmt -Check	01/12/2016	19132	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
	Bill	01/01/2016	100000014683177		Annual unfunded accrued liability	60180 · Employers PERS Expense	3,077.00
TOTAL							<u>3,077.00</u>
	Bill Pmt -Check	01/12/2016	19133	PURCHASE POWER	8000909000168851	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2015	8000909000168851		New postage machine installed on 12/10/15	6042 · Postage - General	160.84
TOTAL							<u>160.84</u>
	Bill Pmt -Check	01/12/2016	19134	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2015	0023230253		Office Water Bottle - December 2015	6031.7 · Other Office Supplies	71.89
TOTAL							<u>71.89</u>

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2016

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	01/12/2016	19135	RR FRANCHISING, INC.	15732	1012 · Bank of America Gen'l Ckg	
Bill	01/04/2016	15732		Janitorial Services - January 2016	6024 · Building Repair & Maintenance	740.00
TOTAL						740.00
Bill Pmt -Check	01/12/2016	19136	SANTA ANA RIVER WATER COMPANY		1012 · Bank of America Gen'l Ckg	
Bill	12/04/2015	12/04 Admin Mtg		12/04/15 Admin. Meeting - Arnold Rodriguez	6311 · Board Member Compensation	125.00
Bill	12/21/2015	12/21 Admin Mtg		12/21/15 Admin. Meeting - Arnold Rodriguez	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	01/12/2016	19137	SOUTHERN CALIFORNIA WATER COMMITTEE	26770	1012 · Bank of America Gen'l Ckg	
Bill	01/04/2016	26770		Stormwater Task Force	6111 · Membership Dues	1,000.00
TOTAL						1,000.00
Bill Pmt -Check	01/12/2016	19138	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	12/31/2015	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	689.35
TOTAL						689.35
Bill Pmt -Check	01/12/2016	19139	STAPLES BUSINESS ADVANTAGE		1012 · Bank of America Gen'l Ckg	
Bill	12/31/2015	8037294210		Miscellaneous office supplies	6031.7 · Other Office Supplies	242.19
Bill	12/31/2015	8037202444		Toner for office printers	6031.7 · Other Office Supplies	125.67
TOTAL						367.86
Bill Pmt -Check	01/12/2016	19140	STATE COMPENSATION INSURANCE FUND	1970970-15	1012 · Bank of America Gen'l Ckg	
Bill	01/01/2016	1970970-15		1970970-15	60183 · Worker's Comp Insurance	961.58
TOTAL						961.58
Bill Pmt -Check	01/12/2016	19141	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
Bill	12/31/2015	7076224530355049		Fuel - December 2015	6175 · Vehicle Fuel	69.20
TOTAL						69.20
Bill Pmt -Check	01/12/2016	19142	UNITED HEALTHCARE	0039374721	1012 · Bank of America Gen'l Ckg	
Bill	12/31/2015	0039374721		Dental Insurance Premium - January 2016	60182.2 · Dental & Vision Ins	712.68
TOTAL						712.68
Bill Pmt -Check	01/12/2016	19143	UNITED PARCEL SERVICE	2x81x0	1012 · Bank of America Gen'l Ckg	
Bill	12/31/2015	2x81x0		Ship package, schedule a pickup	6042 · Postage - General	25.10
TOTAL						25.10
Bill Pmt -Check	01/12/2016	19144	VANDEN HEUVEL, GEOFFREY	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	12/08/2015	12/08 Ag Pool Mtg		12/08/15 Ag Pool Special Meeting at MPC	6311 · Board Member Compensation	125.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2016

	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
TOTAL							125.00
	Bill Pmt -Check	01/12/2016	19145	VANDEN HEUVEL, ROB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	12/08/2015	12/08 Ag Pool Mtg		12/08/15 Ag Pool Meeting held at MPC	8470 · Ag Meeting Attend -Special	125.00
TOTAL							125.00
	Bill Pmt -Check	01/12/2016	19146	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2015	00-101789-0001		Vision Insurance Premium - January 2016	60182.2 · Dental & Vision Ins	73.46
TOTAL							73.46
	Bill Pmt -Check	01/12/2016	19147	YUKON DISPOSAL SERVICE	08-K2 213849	1012 · Bank of America Gen'l Ckg	
	Bill	01/01/2016	08-k2 213849		Disposal Service - January 2016	6024 · Building Repair & Maintenance	111.57
TOTAL							111.57
	Bill Pmt -Check	01/13/2016	19148	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
	Bill	11/30/2015	2015348		2015348	6906.31 · OBMP-Pool, Adv. Board Mtgs	8,844.65
	Bill	11/30/2015	2015349		2015349	6906.32 · OBMP-Other General Meetings	215.00
	Bill	11/30/2015	2015350		2015350	6906.71 · OBMP-Data Req.-CBWM Staff	19,295.50
	Bill	11/30/2015	2015351		2015351	6906.72 · OBMP-Data Req.-Non CBWM Staff	333.75
	Bill	11/30/2015	2015352		2015352	6906.23 · SGMA Reporting Requirements	608.75
	Bill	11/30/2015	2015353		2015353	6906 · OBMP Engineering Services	3,511.25
	Bill	11/30/2015	2015354		2015354	6906.1 · OBMP-Watermaster Model Update	41,475.30
	Bill	11/30/2015	2015355		2015355	7103.3 · Grdwtr Qual-Engineering	18,250.60
	Bill	11/30/2015	2015356		2015356	7104.3 · Grdwtr Level-Engineering	11,891.06
	Bill	11/30/2015	2015357		2015357	7107.2 · Grd Level-Engineering	4,258.40
					Zumasys	7107.6 · Grd Level-Contract Svcs	68.00
	Bill	11/30/2015	2015358		2015358	7108.3 · Hydraulic Control-Engineering	186.25
	Bill	11/30/2015	2015359		2015359	7108.3 · Hydraulic Control-Engineering	316.90
	Bill	11/30/2015	2015360		2015360	7108.31 · Hydraulic Control - PBHSP	5,645.65
	Bill	11/30/2015	2015361		2015361	7109.3 · Recharge & Well - Engineering	1,564.25
	Bill	11/30/2015	2015362		2015362	7202.2 · Engineering Svc	8,102.12
	Bill	11/30/2015	2015363		2015363	7402 · PE4-Engineering	866.25
	Bill	11/30/2015	2015364		2015364	7402.10 · PE4 - MZ1 Pomona Project	9,767.28
	Bill	11/30/2015	2015365		2015365	7502 · PE6&7-Engineering	1,550.00
	Bill	11/30/2015	2015366		2015366	6906.73 · OBMP-Safe Yield Recalculation	230.00
	Bill	11/30/2015	2015367		2015367	6910.1 · IRP Groundwater Modeling - WEI	1,084.00
TOTAL							138,064.96
	Check	01/15/2016	01/15/2016	Service Charge	Service Charge	1012 · Bank of America Gen'l Ckg	
					Service Charge	6039.1 · Banking Service Charges	424.75

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2016

TOTAL	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
							424.75
	General Journal	01/16/2016	01/16/2016	Payroll and Taxes for 01/03/16-01/16/16	Payroll and Taxes for 01/03/16-01/16/16	1012 · Bank of America Gen'l Ckg	
					Direct Deposits for 01/03/16-01/16/16	1012 · Bank of America Gen'l Ckg	23,662.84
					Payroll Taxes for 01/03/16-01/16/16	1012 · Bank of America Gen'l Ckg	9,711.00
				ICMA-RC	457(f) Employee Deductions for 01/03/16-01/16/16	1012 · Bank of America Gen'l Ckg	3,643.75
				ICMA-RC	401(a) Employee Deductions for 01/03/16-01/16/16	1012 · Bank of America Gen'l Ckg	1,189.58
TOTAL							38,207.17
	Bill Pmt -Check	01/20/2016	19149	APPLIED COMPUTER TECHNOLOGIES	2642	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2015	2642		Database Consulting Services - December 2015	6052.2 · Applied Computer Technol	3,319.00
TOTAL							3,319.00
	Bill Pmt -Check	01/20/2016	19150	CORELOGIC INFORMATION SOLUTIONS	81630319	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2015	81630319		81630319	7103.7 · Grdwtr Qual-Computer Svc	62.50
					81630319	7101.4 · Prod Monitor-Computer	62.50
TOTAL							125.00
	Bill Pmt -Check	01/20/2016	19151	RAUCH COMMUNICATION CONSULTANTS, LLC Dec-1504		1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2015	Dec-1504		Annual Report work completed-November 30, 2015	6061.3 · Rauch	4,971.00
TOTAL							4,971.00
	Bill Pmt -Check	01/26/2016	19152	ACWA JOINT POWERS INSURANCE AUTHORITY 0389559		1012 · Bank of America Gen'l Ckg	
	Bill	01/13/2016	0389559		Prepayment - February 2016	1409 · Prepaid Life, BAD&D & LTD	131.09
					January 2016	60191 · Life & Disab.Ins Benefits	126.66
TOTAL							257.75
	Bill Pmt -Check	01/26/2016	19153	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2015	XXXX-XXXX-XXXX-9341		Overnight payment to Great America-copier lease	6043.1 · Ricoh Lease Fee	35.18
					Lunch provided to staff for basin tour	7204 · Comp Recharge-Supplies	122.46
					Phone case for AGM's work cell	6031.7 · Other Office Supplies	14.99
					Registration-Joswiak-ACWA/JPIA HR training	6193.2 · Conference - Registration Fee	30.00
					Registration-Wilson-01/28/16 IAAP mtg at CVWD	6193.2 · Conference - Registration Fee	10.00
					Registration-Wilson-01/09/16 IAAP Adobe Acrobat	6193.2 · Conference - Registration Fee	35.00
					Registration-Truong-01/09/16 IAAP Adobe Acrobat	6193.2 · Conference - Registration Fee	35.00
					Purchase Annual Quickbooks Service Plan	6054 · Computer Software	1,799.00
					Renewal-Go To Meeting Annual Plan-conferencing	6022 · Telephone	374.40
					Hotel-PK-December 2015 ACWA Fall Conference	6191 · Conferences - General	723.79
					Meal-PK-December 2015 ACWA Fall Conference	6191 · Conferences - General	42.80
					Meal-PK-December 2015 ACWA Fall Conference	6191 · Conferences - General	27.68

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2016

Type	Date	Num	Name	Memo	Account	Paid Amount
				Internet expense for GM-invoice lost in mail	6053 · Internet Expense	64.99
				Holiday staff luncheon	6141.3 · Admin Meetings	302.03
				Registration-PK-Feb. 8-9, 2016 SGMA Workshop	6193.2 · Conference - Registration Fee	430.00
				PK meeting w/Poulsen, City of Pomona	8312 · Meeting Expenses	41.67
				Flight-PK-Feb. 8-9, 2016 GRA SGMA Workshop	6191 · Conferences - General	148.46
				Early bird check-in for above flight	6191 · Conferences - General	25.00
				Registration-PK-Feb. 2016 AGWA-AGWT Conf.	6193.2 · Conference - Registration Fee	295.00
				PK meeting w/Zvirbulis, CVWD	8312 · Meeting Expenses	27.07
				PK meeting w/Bowcock	6312 · Meeting Expenses	20.87
				Flight-PK-Jan. 8, 2016 mtg w/Iris Priestaf	6909.1 · OBMP Meetings	459.46
				Early bird check-in for above flight	6909.1 · OBMP Meetings	25.00
				Hotel-Maurizio-December 2015 ACWA Fall Conf.	6191 · Conferences - General	423.94
				Lunch for field staff interviews	6141.3 · Admin Meetings	70.26
TOTAL						5,584.05
Bill Pmt -Check	01/26/2016	19154	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
Bill	01/15/2016	1394905143		Medical Insurance Premium - 1394905143	60182.1 · Medical Insurance	7,533.91
TOTAL						7,533.91
P20 Bill Pmt -Check	01/26/2016	19155	COMPUTER NETWORK		1012 · Bank of America Gen'l Ckg	
Bill	12/30/2015	100393		USB portable hard drive	6055 · Computer Hardware	270.00
Bill	01/06/2016	100422		(3) Hard drives - Seagate 32mb buffer	6055 · Computer Hardware	275.40
Bill	01/06/2016	100423		(1) Video card XFX AMD Radeon HD 5450	6055 · Computer Hardware	70.20
Bill	01/06/2016	100426		(2) Power supplies	6055 · Computer Hardware	97.20
Bill	01/06/2016	100427		(3) Portable external hard drive	6055 · Computer Hardware	405.00
Bill	01/07/2016	100430		(6) APC uninterruptible power supply	6055 · Computer Hardware	939.60
Bill	01/08/2016	100436		Replacement battery for Lenovo laptop	6055 · Computer Hardware	64.80
TOTAL						2,122.20
Bill Pmt -Check	01/26/2016	19156	CORELOGIC INFORMATION SOLUTIONS	81647756	1012 · Bank of America Gen'l Ckg	
Bill	12/31/2015	84647756		81647756	7103.7 · Grdwtr Qual-Computer Svc	62.50
				81647756	7101.4 · Prod Monitor-Computer	62.50
TOTAL						125.00
Bill Pmt -Check	01/26/2016	19157	CUCAMONGA VALLEY WATER DISTRICT	Lease due February 1, 2016	1012 · Bank of America Gen'l Ckg	
Bill	01/18/2016			Lease due February 1, 2016	1422 · Prepaid Rent	6,371.16
TOTAL						6,371.16
Bill Pmt -Check	01/26/2016	19158	GREAT AMERICA LEASING CORP.	18159935	1012 · Bank of America Gen'l Ckg	
Bill	01/18/2016	18159935		Invoice	6043.1 · Ricoh Lease Fee	3,285.29

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2016

TOTAL	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
							3,285.29
	Bill Pmt -Check	01/26/2016	19159	HR DIRECT / GNEIL	INV3544354	1012 · Bank of America Gen'l Ckg	
	Bill	01/13/2016	INV3544354		2016 Poster guard protection-Federal HR Posters	6031.7 · Other Office Supplies	75.59
TOTAL							75.59
	Bill Pmt -Check	01/26/2016	19160	LEGAL SHIELD	0111802	1012 · Bank of America Gen'l Ckg	
	Bill	01/21/2016	0111802		Employee deductions - January 2016	60194 · Other Employee Insurance	51.80
TOTAL							51.80
	Bill Pmt -Check	01/26/2016	19161	LEVEL 3 COMMUNICATIONS	09470254	1012 · Bank of America Gen'l Ckg	
	Bill	01/21/2016	09470254		1/10/16-2/09/16	6053 · Internet Expense	1,055.23
TOTAL							1,055.23
	Bill Pmt -Check	01/26/2016	19162	MAURIZIO, DANIELLE	Employee Reimbursement of Expenses	1012 · Bank of America Gen'l Ckg	
	Bill	01/22/2016			Field staff interviews/lunch	6016 · New Employee Search Costs	185.16
					Meal for 2015 ACWA Fall Conference	6191 · Conferences - General	3.78
					Purchase supplies for w/q	7103.6 · Grdwtr Qual-Supplies	20.70
TOTAL							209.64
	Bill Pmt -Check	01/26/2016	19163	OFFICE TEAM	44838557	1012 · Bank of America Gen'l Ckg	
	Bill	01/21/2016	44838557		Week ending 1/08/16	6017.2 · Office Specialist Services	1,108.00
TOTAL							1,108.00
	Bill Pmt -Check	01/26/2016	19164	PREMIERE GLOBAL SERVICES	20131141	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2015	20131141		WM coordination call on 11/30	6909.1 · OBMP Meetings	16.54
					WM coordination call on 12/07	6909.1 · OBMP Meetings	18.46
					WM coordination call on 12/07	6909.1 · OBMP Meetings	12.96
					WM coordination call on 12/07	6909.1 · OBMP Meetings	19.62
					San Sevaine Basin call on 12/08	6909.1 · OBMP Meetings	13.35
					San Sevaine Basin call on 12/08	6909.1 · OBMP Meetings	22.92
					Administrative call on 12/11	6141.3 · Admin Meetings	18.01
					WM coordination call on 12/14	6909.1 · OBMP Meetings	5.48
					WM coordination call on 12/14	6909.1 · OBMP Meetings	10.38
					WM coordination call on 12/14	6909.1 · OBMP Meetings	5.06
					WM coordination call on 12/14	6909.1 · OBMP Meetings	24.03
					Fee - Confidential Line	6022 · Telephone	49.00
					Fee - General line	6022 · Telephone	49.00
					Service fee	6022 · Telephone	5.97
TOTAL							270.78

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2016

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	01/26/2016	19165	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
Bill	01/13/2016	1394905143		1959 Survivor Benefit - PEPR staff	60180 · Employers PERS Expense	84.00
Bill	01/14/2016	1394905143		1959 Survivor Benefit - Classic staff	60180 · Employers PERS Expense	252.00
TOTAL						336.00
Bill Pmt -Check	01/26/2016	19166	R&D PEST SERVICES	0197483	1012 · Bank of America Gen'l Ckg	
Bill	01/13/2016	0197483		Pest control-ants and fleas	6024 · Building Repair & Maintenance	100.00
TOTAL						100.00
Bill Pmt -Check	01/26/2016	19167	RR FRANCHISING, INC.	16767	1012 · Bank of America Gen'l Ckg	
Bill	01/13/2016	16767		Carpet cleaning on 1/09/16	6024 · Building Repair & Maintenance	600.00
TOTAL						600.00
Bill Pmt -Check	01/26/2016	19168	SAN BERNARDINO COUNTY FLOOD CONTROL	P-11998284, File No. 1-801/2.04	1012 · Bank of America Gen'l Ckg	
Bill	01/22/2016	Permit P-11998284		Annual Inspection Fee for San Sevaine Channel	6909.3 · Other OBMP Expenses	1,315.00
TOTAL						1,315.00
P22 Bill Pmt -Check	01/26/2016	19169	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	01/18/2016	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	736.72
TOTAL						736.72
Bill Pmt -Check	01/26/2016	19170	STAPLES BUSINESS ADVANTAGE	8037539615	1012 · Bank of America Gen'l Ckg	
Bill	01/21/2016	8037539615		Miscellaneous office supplies	6031.7 · Other Office Supplies	167.92
TOTAL						167.92
Bill Pmt -Check	01/26/2016	19171	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2016			Amount effective January 2016	60182.4 · Retiree Medical	23.62
TOTAL						23.62
Bill Pmt -Check	01/26/2016	19172	THREE VALLEYS MUNICIPAL WATER DIST	2/18/16 Leadership Breakfast	1012 · Bank of America Gen'l Ckg	
Bill	01/15/2016			2/18/16 Leadership Breakfast for Peter Kavounas	6192 · Seminars - General	20.00
TOTAL						20.00
Bill Pmt -Check	01/26/2016	19173	UNITED HEALTHCARE	039622701	1012 · Bank of America Gen'l Ckg	
Bill	01/21/2016	0039622701		Dental Insurance Premium - February 2016	60182.2 · Dental & Vision Ins	833.15
TOTAL						833.15
Bill Pmt -Check	01/26/2016	19174	VERIZON	012519128144592510	1012 · Bank of America Gen'l Ckg	
Bill	01/21/2016	012519128144592510		012519128144592510	6022 · Telephone	145.29

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2016

	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
TOTAL							145.29
	Bill Pmt -Check	01/26/2016	19175	VERIZON WIRELESS	642073270-00001	1012 · Bank of America Gen'l Ckg	
	Bill	01/24/2016	642073270-00001		642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	100.04
TOTAL							100.04
	Bill Pmt -Check	01/26/2016	19176	ZAPIEN, ENRIQUE	Employee Reimbursement	1012 · Bank of America Gen'l Ckg	
	Bill	01/18/2016			Reimburse for purchase-safety shoes for field work	6154 · Uniforms	168.93
TOTAL							168.93
	Bill Pmt -Check	01/26/2016	19177	VERIZON WIRELESS	470810953-00001	1012 · Bank of America Gen'l Ckg	
	Bill	01/15/2016	470810953-00001		470810953-00001	6022 · Telephone	299.61
TOTAL							299.61
	Bill Pmt -Check	01/26/2016	ACH 012616	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
	General Journal	01/16/2016	01/16/2016	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 01/03/16-01/16/16	2000 · Accounts Payable	6,437.65
TOTAL							6,437.65
	Bill Pmt -Check	01/27/2016	19178	APPLIED COMPUTER TECHNOLOGIES	2657	1012 · Bank of America Gen'l Ckg	
	Bill	01/25/2016	2657		Database Consulting Services - January 2016	6052.2 · Applied Computer Technol	3,319.00
TOTAL							3,319.00
	Bill Pmt -Check	01/27/2016	19179	DIRECTV	019447404	1012 · Bank of America Gen'l Ckg	
	Bill	01/26/2016	019447404		1/19/16 - 2/18/16	6031.7 · Other Office Supplies	110.98
TOTAL							110.98
	Bill Pmt -Check	01/27/2016	19180	OFFICE TEAM	44898604	1012 · Bank of America Gen'l Ckg	
	Bill	01/26/2016	44898604		Week ending 1/15/16	6017.2 · Office Specialist Services	1,153.29
TOTAL							1,153.29
	Bill Pmt -Check	01/27/2016	19181	PARK PLACE COMPUTER SOLUTIONS, INC.	507	1012 · Bank of America Gen'l Ckg	
	Bill	01/26/2016	507		IT Consulting Services - January 2016	6052.1 · Park Place Comp Solutn	1,575.00
TOTAL							1,575.00
	Bill Pmt -Check	01/27/2016	19182	RAUCH COMMUNICATION CONSULTANTS, LLC Jan-1616		1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2015	Jan-1616		Annual Report work through December 31, 2015	6061.3 · Rauch	11,911.25
TOTAL							11,911.25
	Bill Pmt -Check	01/27/2016	19183	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	
	Bill	01/26/2016	0023230253		Office Water Bottle - January 2016	6031.7 · Other Office Supplies	53.93

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2016

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						53.93
Bill Pmt -Check	01/27/2016	19184	SANDERS, LAURA		1012 · Bank of America Gen'l Ckg	
Bill	01/26/2016			Transcript for 1/22/16 Court Hearing	6046 · Legal Publications/Services	228.00
TOTAL						228.00
Bill Pmt -Check	01/27/2016	19185	STAPLES BUSINESS ADVANTAGE	8037638222	1012 · Bank of America Gen'l Ckg	
Bill	01/26/2016	8037638222		Miscellaneous office supplies	6031.7 · Other Office Supplies	194.34
TOTAL						194.34
Bill Pmt -Check	01/27/2016	19186	STATE COMPENSATION INSURANCE FUND	1970970-15	1012 · Bank of America Gen'l Ckg	
Bill	02/01/2016	1970970-15		1970970-15	60183 · Worker's Comp Insurance	961.58
TOTAL						961.58
General Journal	01/30/2016	01/30/2016	Payroll and Taxes for 01/17/16-01/30/16	Payroll and Taxes for 01/17/16-01/30/16	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 01/17/16-01/30/16	1012 · Bank of America Gen'l Ckg	23,001.03
				Payroll Taxes for 01/17/16-01/30/16	1012 · Bank of America Gen'l Ckg	8,568.40
				Payroll Checks for 01/17/16-01/30/16	1014 · Bank of America P/R Ckg	564.90
			ICMA-RC	457(f) Employee Deductions for 01/17/16-01/30/16	1012 · Bank of America Gen'l Ckg	3,874.52
			ICMA-RC	401(a) Employee Deductions for 01/17/16-01/30/16	1012 · Bank of America Gen'l Ckg	1,189.58
TOTAL						37,198.43
General Journal	01/29/2016	01/29/16	Payroll and Taxes for 01/29/16	Payroll and Taxes for 01/29/16	1012 · Bank of America Gen'l Ckg	
				Direct Deposit for 01/29/16	1012 · Bank of America Gen'l Ckg	1,320.42
				Payroll Taxes for 01/29/16	1012 · Bank of America Gen'l Ckg	293.33
			ICMA-RC	401(a) Employee Deduction for 01/29/16	1012 · Bank of America Gen'l Ckg	66.24
TOTAL						1,679.99
General Journal	01/31/2016	01/31/2016	Wage Works FSA Direct Debits - Jan. 2016	Wage Works FSA Direct Debits - Jan. 2016	1012 · Bank of America Gen'l Ckg	
				Wage Works FSA Direct Debits - Jan. 2016	1012 · Bank of America Gen'l Ckg	511.14
				Wage Works FSA Direct Debits - Jan. 2016	1012 · Bank of America Gen'l Ckg	692.14
				Wage Works FSA Direct Debits - Jan. 2016	1012 · Bank of America Gen'l Ckg	76.25
TOTAL						1,279.53
					Total Disbursements:	322,673.66

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CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: March 10, 2016
TO: Pool Committee Members
SUBJECT: VISA Check Detail Report - Financial Report B2 (January 31, 2016)

SUMMARY

Issue: Record of VISA credit card payment disbursed for the month of January 31, 2016.

Recommendation: Receive and file VISA Check Detail Report for January 31, 2016 as presented.

Financial Impact: Funds disbursed were included in the FY 2015/16 "Amended" Watermaster Budget.

Future Consideration

Appropriative Pool: March 10, 2016; Receive and File
Non-Agricultural Pool: March 10, 2016; Receive and File
Agricultural Pool: March 10, 2016; Receive and File
Advisory Committee: March 17, 2016; Receive and File
Watermaster Board: March 24, 2016; Receive and File (Normal Course of Business)

ACTIONS:

March 10, 2016 – Appropriative Pool –
March 10, 2016 – Non-Agricultural Pool –
March 10, 2016 – Agricultural Pool –
March 17, 2016 – Advisory Committee –
March 24, 2016 – Watermaster Board –

BACKGROUND

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

DISCUSSION

The total cash disbursement during the month of January 2016 was \$5,584.05. The payment was processed by check number 19153 dated January 26, 2016. The monthly charges for January 2016 of \$5,584.05 were for routine and customary expenditures and properly documented with receipts.

ATTACHMENTS

1. Financial Report - B2

CHINO BASIN WATERMASTER
VISA Check Detail Report
January 2016

Type	Num	Date	Name	Memo	Account	Paid Amount
Bill Pmt -Check	01/26/2016	19153	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	12/31/2015	XXXX-XXXX-XXXX-9341		Overnight payment to Great America-copier lease	6043.1 · Ricoh Lease Fee	35.18
				Lunch provided to staff for basin tour	7204 · Comp Recharge-Supplies	122.46
				Phone case for AGM's work cell	6031.7 · Other Office Supplies	14.99
				Registration-Joswiak-ACWA/JPIA HR training	6193.2 · Conference - Registration Fee	30.00
				Registration-Wilson-01/28/16 IAAP mtg at CVWD	6193.2 · Conference - Registration Fee	10.00
				Registration-Wilson-01/09/16 IAAP Adobe Acrobat	6193.2 · Conference - Registration Fee	35.00
				Registration-Truong-01/09/16 IAAP Adobe Acrobat	6193.2 · Conference - Registration Fee	35.00
				Purchase Annual Quickbooks Service Plan	6054 · Computer Software	1,799.00
				Renewal-Go To Meeting Annual Plan-conferencing	6022 · Telephone	374.40
				Hotel-PK-December 2015 ACWA Fall Conference	6191 · Conferences - General	723.79
				Meal-PK-December 2015 ACWA Fall Conference	6191 · Conferences - General	42.80
				Meal-PK-December 2015 ACWA Fall Conference	6191 · Conferences - General	27.68
				Internet expense for GM-invoice lost in mail	6053 · Internet Expense	64.99
				Holiday staff luncheon	6141.3 · Admin Meetings	302.03
				Registration-PK-Feb. 8-9, 2016 SGMA Workshop	6193.2 · Conference - Registration Fee	430.00
				PK meeting w/Poulsen, City of Pomona	8312 · Meeting Expenses	41.67
				Flight-PK-Feb. 8-9, 2016 GRA SGMA Workshop	6191 · Conferences - General	148.46
				Early bird check-in for above flight	6191 · Conferences - General	25.00
				Registration-PK-Feb. 2016 AGWA-AGWT Conf.	6193.2 · Conference - Registration Fee	295.00
				PK meeting w/Zvirbulis, CVWD	8312 · Meeting Expenses	27.07
				PK meeting w/Bowcock	6312 · Meeting Expenses	20.87
				Flight-PK-Jan. 8, 2016 mtg w/Iris Priestaf	6909.1 · OBMP Meetings	459.46
				Early bird check-in for above flight	6909.1 · OBMP Meetings	25.00
				Hotel-Maurizio-December 2015 ACWA Fall Conf.	6191 · Conferences - General	423.94
				Lunch for field staff interviews	6141.3 · Admin Meetings	70.26
				Total Disbursements:		<u>5,584.05</u>

TOTAL

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: March 10, 2016
TO: Pool Committee Members
SUBJECT: Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2015 through January 31, 2016 - Financial Report B3 (January 31, 2016)

SUMMARY

Issue: Record of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2015 through January 31, 2016.

Recommendation: Receive and file Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2015 through January 31, 2016 as presented.

Financial Impact: Funds disbursed were included in the FY 2015/16 "Amended" Watermaster Budget.

Future Consideration

Appropriative Pool: March 10, 2016; Receive and File
Non-Agricultural Pool: March 10, 2016; Receive and File
Agricultural Pool: March 10, 2016; Receive and File
Advisory Committee: March 17, 2016; Receive and File
Watermaster Board: March 24, 2016; Receive and File (Normal Course of Business)

ACTIONS:

March 10, 2016 – Appropriative Pool –
March 10, 2016 – Non-Agricultural Pool –
March 10, 2016 – Agricultural Pool –
March 17, 2016 – Advisory Committee –
March 24, 2016 – Watermaster Board –

BACKGROUND

A Combining Schedule of Revenue, Expenses and Changes in Net Assets for the period July 1, 2015 through January 31, 2016 is provided to keep all members apprised of the FY 2015/16 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 15.0, 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, 2015 THROUGH JANUARY 31, 2016

Financial Report - B3

	WATERMASTER ADMINISTRATION	OPTIMUM BASIN MANAGEMENT	POOL ADMINISTRATION & SPECIAL PROJECTS			GROUNDWATER OPERATIONS		LAIF VALUE ADJ.	GASB 68 BEG. NET POSITION	GRAND TOTALS	AMENDED BUDGET 2015-2016
			APPROPRIATIVE POOL	AG POOL	NON-AG POOL	GROUNDWATER REPLENISHMENT	SB222 FUNDS				
Administrative Revenues:											
Administrative Assessments			3,569,781		151,739					3,721,520	8,934,215
Interest Revenue			9,201	837	60					10,098	22,050
Mutual Agency Project Revenue	157,349									157,349	157,941
Miscellaneous Income										-	0
Total Revenues	157,349	-	3,578,982	837	151,800	-	-	-	-	3,888,968	9,114,206
Administrative & Project Expenditures:											
Watermaster Administration	780,112									780,112	1,227,268
Watermaster Board-Advisory Committee	91,322									91,322	222,418
Ag Pool Misc. Expense - Ag Fund										-	400
Pool Administration			28,316	249,208	55,605					333,129	595,933
Optimum Basin Mgmt Administration		1,138,138								1,138,138	1,473,093
OBMP Project Costs		1,239,162								1,239,162	3,525,355
Debt Service		304,376								304,376	460,200
Basin Recharge Improvements		386,128								386,128	3,472,477
Mutual Agency Project Costs										-	10,000
Total Administrative/OBMP Expenses	871,434	3,067,803	28,316	249,208	55,605	-	-	-	-	4,272,367	10,987,144
Net Administrative/OBMP Expenses	(714,085)	(3,067,803)									
Allocate Net Admin Expenses To Pools	714,085		516,993	173,623	23,469					-	-
Allocate Net OBMP Expenses To Pools		2,377,300	1,721,150	578,019	78,131					-	-
Allocate Debt Service to App Pool			304,376							-	-
Allocate Basin Recharge to App Pool			386,128							-	-
Agricultural Expense Transfer*			1,000,851	(1,000,851)						-	-
Total Expenses			3,957,813	-	157,204	-	-	-	-	4,272,367	10,987,144
Net Administrative Income			(378,831)	837	(5,404)	-	-	-	-	(383,398)	(1,872,938)
Other Income/(Expense)											
Replenishment Water Assessments										-	0
Non-Ag Stored Water Purchases										-	0
Exhibit "G" Non-Ag Pool Water										-	0
Interest Revenue						2,403				2,403	0
MWD Water Purchases										-	0
Non-Ag Stored Water Purchases										-	0
Exhibit "G" Non-Ag Pool Water										-	0
MWD Water Purchases										-	0
Groundwater Replenishment										-	0
LAIF - Fair Market Value Adjustment										-	0
Other Post-Employment Benefits (OPEB)										-	0
Refund-Excess Reserves										-	0
Refund-Recharge Debt										-	0
Net Other Income/(Expense)			-	-	-	2,403	-	-	-	2,403	0
Net Transfers To/(From) Reserves		(380,996)	(378,831)	837	(5,404)	2,403	-	-	-	(380,996)	(1,872,938)
		0									
Net Assets, July 1, 2015			6,346,620	481,130	69,774	1,388,080	158,251	3,446	(740,195)	7,707,106	
Net Assets, End of Period			5,967,788	481,968	64,370	1,390,482	158,251	3,446	(740,195)	7,326,110	7,326,110
13/14 Assessable Production			100,165,551	33,638,883	4,546,972					138,351,406	
13/14 Production Percentages			72.399%	24.314%	3.287%					100.00%	

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

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CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: March 10, 2016

TO: Pool Committee Members

SUBJECT: Treasurer's Report of Financial Affairs for the Period January 1, 2016 through January 31, 2016 - Financial Report B4 (January 31, 2016)

SUMMARY

Issue: Record of increases or decreases in the cash position, assets and liabilities of Watermaster for the Period of January 1, 2016 through January 31, 2016.

Recommendation: Receive and file Treasurer's Report of Financial Affairs for the Period January 1, 2016 through January 31, 2016 as presented.

Financial Impact: Funds disbursed were included in the FY 2015/16 "Amended" Watermaster Budget.

Future Consideration

Appropriative Pool: March 10, 2016; Receive and File

Non-Agricultural Pool: March 10, 2016; Receive and File

Agricultural Pool: March 10, 2016; Receive and File

Advisory Committee: March 17, 2016; Receive and File

Watermaster Board: March 24, 2016; Receive and File (Normal Course of Business)

ACTIONS:

March 10, 2016 – Appropriative Pool –

March 10, 2016 – Non-Agricultural Pool –

March 10, 2016 – Agricultural Pool –

March 17, 2016 – Advisory Committee –

March 24, 2016 – Watermaster Board –

BACKGROUND

A Treasurer's Report of Financial Affairs for the Period January 1, 2016 through January 31, 2016 is provided to keep all members apprised of the total cash in banks (Bank of America, LAIF, and CalTRUST) and 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 15.0, 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
JANUARY 1, 2016 THROUGH JANUARY 31, 2016**

Financial Report - B4

DEPOSITORIES:

Cash on Hand - Petty Cash			\$	500
Bank of America				
Governmental Checking-Demand Deposits	\$	35,754		
Zero Balance Account - Payroll	\$	-		35,754
Local Agency Investment Fund - Sacramento				8,988,927
TOTAL CASH IN BANKS AND ON HAND			\$	9,025,181
TOTAL CASH IN BANKS AND ON HAND	1/31/2016			9,331,120
	12/31/2015			9,331,120
PERIOD INCREASE (DECREASE)			\$	(305,939)

CHANGE IN CASH POSITION DUE TO:

Decrease/(Increase) in Assets:			\$	(11,705)
Accounts Receivable				9,104
Assessments Receivable				9,349
Prepaid Expenses, Deposits & Other Current Assets				247,980
(Decrease)/Increase in Liabilities				1,882
Accounts Payable				2,248
Accrued Payroll, Payroll Taxes & Other Current Liabilities				(564,797)
Long Term Liabilities				
Transfer to/(from) Reserves				
PERIOD INCREASE (DECREASE)			\$	(305,939)

SUMMARY OF FINANCIAL TRANSACTIONS:

	Petty Cash	Gov't'l Checking Demand	Zero Balance Account Payroll	Local Agency Investment Funds	Totals
Balances as of 12/31/2015	\$ 500	\$ 347,863	\$ -	\$ 8,982,757	\$ 9,331,120
Deposits	-	10,564	-	6,170	16,734
Transfers	-	(89,617)	(65,765)	-	(155,382)
Withdrawals/Checks	-	(233,057)	65,765	-	(167,292)
Balances as of 1/31/2016	\$ 500	\$ 35,754	\$ -	\$ 8,988,927	\$ 9,025,181
PERIOD INCREASE OR (DECREASE)	\$ -	\$ (312,110)	\$ -	\$ 6,170	\$ (305,939)

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**CHINO BASIN WATERMASTER
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD
JANUARY 1, 2016 THROUGH JANUARY 31, 2016**

INVESTMENT TRANSACTIONS

Effective Date	Transaction	Depository	Activity	Redeemed	Days to Maturity	Interest Rate(*)	Maturity Yield
1/15/2016	Interest		\$ 6,170				
TOTAL INVESTMENT TRANSACTIONS			\$ 6,170	-			

* The earnings rate for L.A.I.F. is a daily variable rate; 0.37% was the effective yield rate at the Quarter ended December 31, 2015.

**INVESTMENT STATUS
January 31, 2016**

<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	\$ 8,988,927			
TOTAL INVESTMENTS	\$ 8,988,927			

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: March 10, 2016
TO: Pool Committee Members
SUBJECT: Budget vs. Actual Report for the Period July 1, 2015 through January 31, 2016 - Financial Report B5 (January 31, 2016)

SUMMARY

Issue: Record of revenues and expenses of Watermaster for the Period of July 1, 2015 through January 31, 2016.

Recommendation: Receive and file Budget vs. Actual Report for the Period July 1, 2015 through January 31, 2016 as presented.

Financial Impact: Funds disbursed were included in the FY 2015/16 "Amended" Watermaster Budget.

Future Consideration

Appropriative Pool: March 10, 2016; Receive and File
Non-Agricultural Pool: March 10, 2016; Receive and File
Agricultural Pool: March 10, 2016; Receive and File
Advisory Committee: March 17, 2016; Receive and File
Watermaster Board: March 24, 2016; Receive and File (Normal Course of Business)

ACTIONS:

March 10, 2016 – Appropriative Pool –
March 10, 2016 – Non-Agricultural Pool –
March 10, 2016 – Agricultural Pool –
March 17, 2016 – Advisory Committee –
March 24, 2016 – Watermaster Board –

BACKGROUND

A Budget vs. Actual Report for the period July 1, 2015 through January 31, 2016 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 15.0, 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 – JANUARY 2016

Year-To-Date (YTD) for the seven months ending January 31, 2016, all but six categories were at or below the projected budget. The categories over budget were Watermaster Legal Services expenses (6070's) which were over budget by \$20,522 or 15.8% as a result of increased miscellaneous legal expenses, additional personnel related expenses, and the unanticipated CCG Motion related legal expenses not budgeted for FY 2015/16; Training, Conferences and Seminars expenses (6190's) which were over budget by \$2,710 or 19.5% as a result of a membership in Vistage which provides leadership training and development; Agricultural Legal Services expenses (8467) which were over budget by \$88,076 or 73.7% as a result of ongoing Safe Yield Redetermination and Reset efforts; Agricultural Pool Meeting Attendance expenses (8470's) which were over budget by \$5,875 or 45.4% as a result of the Agricultural Pool's Special Meetings which were not anticipated when the FY 2015/16 budget was developed; OBMP expenses (6900's) were over budget by \$200,131 or 22.5% as a result of engineering and legal services supporting the ongoing Safe Yield Redetermination and Reset efforts; and Production Monitoring expenses (7101's) which were over budget by \$16,909 or 50.5% as a direct result of ongoing efforts of Watermaster staff in production reporting.

The Watermaster budget for FY 2015/16 is divided into 12-monthly amounts and allocated accordingly. As the fiscal year progresses, several of the above listed categories might level out over time and be within the budget levels.

Overall, the Watermaster (YTD) Actual Expenses were \$3,602,218 or 45.7% below the (YTD) Budgeted Expenses of \$7,874,585.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

July 2015:

During the month of July 2015, the "Carry Over" funding was calculated. The Total "Carry Over" funding amount of \$1,872,937.85 has been posted to the general ledger accounts. The total amount of \$1,872,937.85 consisted of \$1,686,955.86 from Capital Improvement Projects, \$136,696 from Engineering Services, \$29,285.99 from Chino Hills ASR, and \$20,000 from the Administrative section for the Annual Reports. More detailed information is provided regarding this issue under the "Carry Over" Funding section.

The Amended Budget for FY 2015/16 is \$10,987,143.85 which includes \$1,872,937.85 for the prior years "Carry Over" funding. The Original Approved budget for FY 2015/16 of \$9,114,206 was approved by the Watermaster Board on May 28, 2015 ($\$9,114,206 + \$1,872,937.85 = \$10,987,143.85$).

SALARIES EXPENSE

CURRENT MONTH – JANUARY 2016

As of January 31, 2016, the total (YTD) Watermaster salary expenses were \$71,281 or 7.7% below the (YTD) budgeted amount of \$930,795. The overall staffing budget was developed with a staffing level of

nine Full-Time Equivalents (FTE's), and staffing is currently at nine Full-Time Equivalents (FTE's).

Watermaster completed the recruiting process for the position of Field Operations Specialist which became vacant as of August 27, 2015. Rick Zapien started on Monday, January 4, 2016.

On September 16, 2015, Office Specialist/Receptionist was placed on Pregnancy Disability Leave (PDL) by her physician. Based upon the PDL leave and concurrently running FMLA leave, the employee was scheduled, and did return on Monday, February 22, 2016. During her absence, Watermaster utilized a temporary employee to perform the duties and responsibilities.

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 2015/16 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 January 31, 2016. 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 '15 - Jan '16</u> <u>Actual</u>	<u>Jul '15 - Jan '16</u> <u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>	<u>FY 2015/16</u> <u>Annual Budget</u>
WM Salary Expense					
6011 · WM Staff Salaries	495,503.08	502,806.00	-7,302.92	98.55%	848,891.00
6017 · Temporary Services	0.00	12,250.00	-12,250.00	0.0%	21,000.00
6017.2 · Office Specialist Services	7,385.46	0.00	7,385.46	100.0%	0.00
6201 · Advisory Committee - WM Staff Salaries	9,516.93	13,193.00	-3,676.07	72.14%	22,274.00
6301 · Watermaster Board - WM Staff Salaries	17,550.52	21,843.00	-4,292.48	80.35%	36,879.00
8301 · Appropriative Pool - WM Staff Salaries	18,022.30	17,603.00	419.30	102.38%	29,719.00
8401 · Agricultural Pool - WM Staff Salaries	12,212.89	15,453.00	-3,240.11	79.03%	26,090.00
8501 · Non-Agricultural Pool - WM Staff Salaries	10,464.64	9,224.00	1,240.64	113.45%	15,574.00
6901 · OBMP - WM Staff Salaries	79,080.79	73,866.00	5,214.79	107.06%	124,709.00
7101.1 · Production Monitor - WM Staff Salaries	49,958.46	33,049.00	16,909.46	151.17%	55,797.00
7102.1 · In-line Meter - WM Staff Salaries	2,708.23	5,457.00	-2,748.77	49.63%	9,212.00
7103.1 · Grdwater Quality - WM Staff Salaries	5,008.67	32,288.00	-27,279.33	15.51%	54,511.00
7104.1 · Grdwater Level - WM Staff Salaries	37,356.77	25,142.00	12,214.77	148.58%	42,447.00
7108.1 · Hydraulic Control - WM Staff Salaries	0.00	1,458.00	-1,458.00	0.0%	2,464.00
7108.11 · Prado Basin - WM Staff Salaries	3,587.65	4,919.00	-1,331.35	72.94%	8,305.00
7201 · Comp Recharge - WM Staff Salaries	30,559.69	26,214.00	4,345.69	116.58%	44,259.00
7301 · PE3&5 - WM Staff Salaries	0.00	8,820.00	-8,820.00	0.0%	14,892.00
7401 · PE4 - WM Staff Salaries	129.67	5,356.00	-5,226.33	2.42%	9,042.00
7501.1 · PE 6&7 - WM Staff Salaries (Plume)	0.00	3,993.00	-3,993.00	0.0%	6,743.00
7501 · PE6&7 - WM Staff Salaries	0.00	2,597.00	-2,597.00	0.0%	4,383.00
7601 · PE8&9 - WM Staff Salaries	0.00	7,244.00	-7,244.00	0.0%	12,231.00
Subtotal WM Staff Costs	779,045.75	822,775.00	-43,729.25	94.69%	1,389,422.00
60185 · Vacation	38,201.39	42,279.00	-4,077.61	90.36%	72,479.00
60186 · Sick Leave	6,997.06	27,070.00	-20,072.94	25.85%	46,405.00
60187 · Holidays	35,269.88	38,671.00	-3,401.12	91.21%	46,405.00
Subtotal WM Paid Leaves	80,468.33	108,020.00	-27,551.67	74.49%	165,289.00
Total WM Salary Costs	859,514.08	930,795.00	-71,280.92	92.34%	1,554,711.00

LEGAL SERVICES
BROWNSTEIN HYATT FARBER SCHRECK EXPENSES

CURRENT MONTH – JANUARY 2016

As of January 31, 2016, 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 \$198,502 or 34.9% above the (YTD) budgeted amount of \$568,191. 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 2015/16. The "Approved" budget amount was adopted for the amount of \$933,815. The total budget was developed by multiplying the number of hours that would be required to complete the specific tasks by the hourly rate.

WATERMASTER ADMINISTRATIVE LEGAL SERVICES:

Overall, the Watermaster Administrative Legal Services expense (6070's), as of January 31, 2016, was \$20,522 or 15.8% above the budgeted amount of \$130,019. The specific items within the Administrative Legal Services expenses (6070's) which were under budget were the expenses for Court Coordination (6071) under budget by \$14,543 or 60.9%; Annotated Judgment (6072) under budget by \$23,420 or 100.0%; Interagency Issues (6074) under budget by \$17,850 or 100.0%; and the Party Status Maintenance (6077) under budget by \$16,282 or 97.3%. The specific items within the Administrative Legal Services expenses (6070's) which were over budget were the expenses for Personnel Matters (6073) over budget by \$7,965 or 29.0%; Miscellaneous (6078) over budget by \$81,571 or 395.6%; and CCG Motion (6078.12) over budget by \$3,080 or 100.0%.

Personnel Matters: As reported during the previous monthly meetings, Watermaster's legal counsel filed an appeal with CalPERS regarding CalPERS original determination (from February 2013) which rejected the base salary of the former CEO, Desi Alvarez, with regards to his retirement pension benefit. There have been several filings of appeal and we are awaiting CalPERS determination. On December 9, 2013 CalPERS notified the attorneys of record that the CalPERS Legal Office received the case on November 22, 2013 and we would be notified when the case has been assigned to an attorney who will represent CalPERS regarding the appeal. On February 27, 2014 the case was assigned to Wesley E. Kennedy, Senior Staff Attorney for CalPERS. On July 17, 2014 a document request from CalPERS was received by Watermaster related to the pending case. On August 22, 2014 the specific documents were provided to CalPERS. On September 9, 2014 Watermaster received the Notice of Hearing from CalPERS and the hearing has been scheduled for March 11-13, 2015 at the Glendale CalPERS Regional office. On October 1, 2014 Watermaster received from CalPERS a discovery request for Case No. 2013-1113. On December 31, 2014 Brownstein Hyatt Farber Schreck provided the information to Mr. Kennedy of CalPERS as requested on October 1, 2014. On January 16, 2015 a Prehearing conference along with a Settlement conference was conducted in Los Angeles. On March 2, 2015 a Motion to Continue was granted and the new Administrative Hearing (OAH Case No. 2014080757) was scheduled for November 16-18, 2015 at the Glendale CalPERS Regional Office. On September 28, 2015 the attorney for Mr. Alvarez (Mr. Jensen), at the suggestion of Mr. Kennedy, requested a short continuance of the OAH hearing because CalPERS has scheduled a full Board hearing on the claims of one of Mr. Jensen's clients for March 10, 2016 which is right in the middle of the three-day hearing scheduled for Mr. Alvarez's case. On October 9, 2015, an Order Granting Continuance; Notice of New Hearing Dates was provided by the State of California, Department of General Services, Office of Administrative Hearings. The administrative hearing was rescheduled for January 4-6, 2016 at the Glendale CalPERS Regional Office. On October 14, 2015 a Notice of Case Reassignment was received from the CalPERS providing notice that OAH Case No. 2014080757 has been reassigned from attorney Wesley Kennedy to Preet Kaur, Staff Attorney. On November 20, 2015, a Request for Continuance was issued from CalPERS to reschedule the hearing to either the period of April 4 through April 6, 2016 or April 11 through April 15, 2016. On December 11, 2015, an Order Granting Continuance; Notice of New Hearing Dates was issued from the State of California, Department of General Services, Office of Administrative Hearings to reschedule the hearing to April 11-13, 2016.

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, 8375, 8475 and 8575). Overall, this category of legal expenses as of January 31, 2016 was \$52,285 or 41.0% below the budgeted amount of \$127,614. Normal Brownstein Hyatt Farber Schreck meeting attendance during any given month includes attendance at all three pool meetings, one Advisory Committee meeting and one Board meeting. The Watermaster parties agreed that during the month of December 2015, the three Pools, the Advisory Committee and the Watermaster Board meetings would not be held, adding additional cost savings to this category.

OBMP LEGAL SERVICES:

The OBMP legal expenses (accounts 6907.31 through 6907.90) were above the budget for the month. As of January 31, 2016 the category of OBMP legal expenses were \$230,265 or 74.1% above the budgeted amount of \$310,558. The majority of expenses within this OBMP category were under budget (Y-T-D), however, the BHFS Safe Yield Redetermination and Reset legal expenses (6907.42) continue to increase and exceed the monthly budget. As of January 31, 2016, the Safe Yield Redetermination and Reset legal expenses were \$419,445 or 406.0% above the budgeted amount of \$103,300. It should be noted that the 12-month annual legal budget for the Safe Yield Redetermination and Reset category was approved at an amount of \$103,300 and anticipated to be allocated within the first six months of the FY 2015/16 (July 2015 – December 2015). The approved BHFS legal budget anticipated 230 labor hours for consolidated legal staff time with regards to the Safe Yield Redetermination and Reset effort. The Mid-Year Review presentation during the February 2016 meetings discussed the anticipated over budget of the Safe Yield Redetermination and Reset category. The presentation suggested that in the next few months a Budget Amendment would be proposed to add additional budget to this category and the funding would come from the FY 2015/16 OBMP Budget Reserves. The OBMP Budget Reserve amount is calculated at 15% of the OBMP Approved Budget which is \$715,363 ($\$4,769,087 \times 15\% = \$715,363$) for FY 2015/16.

The table listed below summarizes the Brownstein Hyatt Farber Schreck (BHFS) expenses as of January 31, 2016 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 '15 - Jan '16 Actual	Jul '15 - Jan '16 Budget	\$ Over Budget	% of Budget	FY 2015/16 Annual Budget
6070 · Watermaster Legal Services					
6071 · BHFS Legal - Court Coordination	9,345.36	23,888.00	-14,542.64	39.12%	40,950.00
6072 · BHFS Legal - Annotated Judgment	0.00	23,420.00	-23,420.00	0.0%	40,150.00
6073 · BHFS Legal - Personnel Matters	35,465.21	27,500.00	7,965.21	128.96%	80,700.00
6074 · BHFS Legal - Interagency Issues	0.00	17,850.00	-17,850.00	0.0%	30,600.00
6076 · BHFS Legal - Storage Issues	0.00	0.00	0.00	0.0%	0.00
6077 · BHFS Legal - Party Status Maintenance	459.00	16,741.00	-16,282.00	2.74%	28,700.00
6078 · BHFS Legal - Miscellaneous (Note 1)	102,191.35	20,620.00	81,571.35	495.59%	35,350.00
6078.12 · BHFS Legal - CCG Motion	3,079.82	0.00	3,079.82	100.0%	0.00
Total 6070 · Watermaster Legal Services	150,540.74	130,019.00	20,521.74	115.78%	256,450.00
6275 · BHFS Legal - Advisory Committee	9,969.74	11,900.00	-1,930.26	83.78%	20,400.00
6375 · BHFS Legal - Board Meeting	36,303.51	62,164.00	-25,860.49	58.4%	106,565.00
8375 · BHFS Legal - Appropriative Pool	9,934.09	17,850.00	-7,915.91	55.65%	30,600.00
8475 · BHFS Legal - Agricultural Pool	9,311.87	17,850.00	-8,538.13	52.17%	30,600.00
8575 · BHFS Legal - Non-Ag Pool	9,809.99	17,850.00	-8,040.01	54.96%	30,600.00
Total BHFS Legal Services	75,329.20	127,614.00	-52,284.80	59.03%	218,765.00
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	14,291.66	-14,291.66	0.0%	24,500.00
6907.32 · Chino Airport Plume	0.00	14,291.66	-14,291.66	0.0%	24,500.00
6907.33 · Desalter/Hydraulic Control	0.00	28,525.00	-28,525.00	0.0%	48,900.00
6907.34 · Santa Ana River Water Rights	869.85	14,758.34	-13,888.49	5.89%	25,300.00
6907.36 · Santa Ana River Habitat	964.80	11,491.66	-10,526.86	8.4%	19,700.00
6907.38 · Reg. Water Quality Cntrl Board	0.00	8,370.84	-8,370.84	0.0%	14,350.00
6907.39 · Recharge Master Plan	6,634.80	39,725.00	-33,090.20	16.7%	68,100.00
6907.40 · Storage Agreements	535.50	50,225.00	-49,689.50	1.07%	86,100.00
6907.41 · Prado Basin Habitat Sustainability	5,704.65	8,370.84	-2,666.19	68.15%	14,350.00
6907.42 · Safe Yield Recalculation	522,745.04	103,300.00	419,445.04	506.05%	103,300.00
6907.44 · SGMA Compliance	3,368.70	0.00	3,368.70	100.0%	0.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	17,208.34	-17,208.34	0.0%	29,500.00
Total 6907 · WM Legal Counsel	540,823.34	310,558.34	230,265.00	174.15%	458,600.00
Total Brownstein, Hyatt, Farber, Schreck Costs	766,693.28	568,191.34	198,501.94	134.94%	933,815.00

Note 1: The types of legal activities that have been charged against the "Miscellaneous" legal category account 6078 are as follows:
 (1) Correspondence and discussions with Watermaster staff regarding current issues/topics; (2) Correspondence with Watermaster staff regarding special projects (assessment package, 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; (7) Review transfer documents; (8) Land Subsidence Committee reports/meetings; (9) Review process and criteria for re-appointment of the Watermaster 9 member Board; (10) Review current California issued drought regulations; (11) Review and comment on Waters of the United States rule making; (12) Review and draft documents for basin boundary regulations; and (13) Miscellaneous legal research on current and pending issues.

OBMP ENGINEERING SERVICES AND LEGAL COSTS

CURRENT MONTH – JANUARY 2016

Reviewing in total the OBMP Engineering Services and Legal Costs (consolidating the four categories of OBMP Watermaster Staff and SAWPA, OBMP Engineering Services, OBMP Legal Costs, and OBMP Other Expenses) for the seven month period ending January 31, 2016, the actual expenses of \$1,088,071 were above the budgeted amount of \$887,940 by \$200,131 or 22.5%. For a detailed discussion, the following is provided.

For January 31, 2016, the accounts 6901-6903 (Optimum Basin Mgmt Program) section was above the Year-To-Date (YTD) budget by \$4,874 or 5.6%. 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 and less time on administrative related tasks. As a result, Watermaster staff allocated more actual time to the OBMP project as budgeted, which resulted in an over budget variance of \$5,215 or 7.1%. The remaining expense was the Santa Ana Watershed Project Authority (SAWPA) FY 2015/16 Basin Monitoring Program Task Force Contribution which was budgeted at \$12,500 but actual expenses were billed at \$12,159 which was below the budget by \$341 or 2.7% as of January 31, 2016.

For January 31, 2016, the accounts 6906 (Optimum Basin Mgmt Program Engineering Services) section was below the Year-To-Date (YTD) budget by \$30,074 or 6.2%. For FY 2015/16, the OBMP-Safe Yield Redetermination and Reset expenses (6906.73) did not have a budget amount assigned. For the month of January 2016, there were expenses totaling \$12,292 charged to the OBMP-Safe Yield Redetermination and Reset expenses. As of the Year-To-Date (YTD), this account was over budget by \$91,685 or 100.0%. The OBMP-Watermaster Model Update and the Material Physical Injury Request expenses had a budget provided for the month, but there was a small amount of activity and Engineering expenses recorded for this period. These two expenses, along with several other engineering related line items within the (6906's) assisted in reducing the overall budget variance and is a large factor as to why this expense category was under budget for the month.

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 \$422,814 while some other line item activities were below the budget by \$192,549. Above the budget line items were the Safe Yield Redetermination and Reset of \$419,445; and the SGMA Compliance of \$3,369. Please note the SGMA Compliance is a new GL account created in January 2016 to capture these costs. The individual legal projects/activities that were below budget for the Year-To-Date (YTD) period were the Archibald South Plume of \$14,292; the Chino Airport Plume of \$14,292; the Desalter/Hydraulic Control of \$28,525; the Santa Ana River Water Rights of \$13,888; the Santa Ana River Habitat of \$10,527; the Regional Water Quality Control Board of \$8,371; the Recharge Master Plan of \$33,090; Storage Agreements of \$49,690; the Prado Basin Habitat Sustainability of \$2,666; and the WM Unanticipated of \$17,208. For the seven months ended January 31, 2016, the overall cumulative (YTD) budget was \$310,558 and the actual (BHFS) legal expenses totaled \$540,823 which resulted in an over budget variance of \$230,265 or 74.1%.

As mentioned in the Brownstein Hyatt Farber Schreck section, the annual legal budget for the Safe Yield Redetermination and Reset was approved at an amount of \$103,300. The approved BHFS legal budget anticipated 230 labor hours for consolidated legal staff time with regards to the Safe Yield Redetermination and Reset effort. The budget assumed these expenses would be recorded during the period of July 2015 through December 2015. The Mid-Year Review presentation during the February 2016 meetings discussed the anticipated over budget of the Safe Yield Redetermination and Reset category. The presentation suggested that in the next few months a Budget Amendment would be proposed to add additional budget to this category and the funding would come from the FY 2015/16 OBMP Budget Reserves. The OBMP Budget Reserve amount is calculated at 15% of the OBMP Approved Budget which is \$715,363 ($\$4,769,087 \times 15\% = \$715,363$) for FY 2015/16.

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 January 31, 2016 this category of expenses was \$4,934 or 62.7% below the budgeted amount of \$7,875.

The Integrated Resource Plan expenses (6910's) is billed directly to IEUA on the following month once the payment has been issued to Wildermuth Environmental, Inc. per the contract. As of January 31, 2016 this category of expenses was fully invoiced to IEUA in the amount of \$50,738.

Overall, the Optimum Basin Management Program (OBMP) category was \$1,088,071 compared to a (YTD) budget of \$887,940 for an over budget of \$200,131 or 22.5% as of January 31, 2016.

The table listed below summarizes the Optimum Basin Management Program (OBMP) expenses as of January 31, 2016 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:

	<u>Jul '15 - Jan '16</u> <u>Actual</u>	<u>Jul '15 - Jan '16</u> <u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>	<u>FY 2015/16</u> <u>Annual Budget</u>
6900 · Optimum Basin Mgmt Plan					
6901 · WM Staff Salaries	79,080.79	73,866.00	5,214.79	107.06%	124,709.00
6903 · OBMP SAWPA Group	12,159.00	12,500.00	-341.00	97.27%	12,500.00
Total 6901-6903 · OBMP WM Staff/SAWPA	91,239.79	86,366.00	4,873.79	105.64%	137,209.00
6906 · OBMP Engineering Services					
6906.1 · OBMP - Watermaster Model Update	172,007.80	217,264.44	-45,256.64	79.17%	279,340.00
6906.21 · State of the Basin Report	0.00	0.00	0.00	0.0%	0.00
6906.22 · Water Rights Compliance Reporting	15,593.75	14,235.65	1,358.10	109.54%	24,404.00
6906.23 · SGMA Reporting Requirements	3,836.25	10,145.35	-6,309.10	37.81%	17,392.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	42,184.03	51,134.41	-8,950.38	82.5%	87,659.00
6906.32 · OBMP - Other General Meetings	12,257.62	19,178.25	-6,920.63	63.91%	32,877.00
6906.33 · OBMP - App. Pool Issue Resolution	0.00	32,062.34	-32,062.34	0.0%	54,964.00
6906.71 · OBMP - Data Requests - CBWM Staff	84,316.53	37,370.66	46,945.87	225.62%	64,064.00
6906.72 · OBMP - Data Requests - Non CBWM	7,706.75	22,288.00	-14,581.25	34.58%	38,208.00
6906.73 · OBMP - Safe Yield Recalculation	91,684.60	0.00	91,684.60	100.0%	0.00
6906.74 · OBMP - Mat'l Phy. Injury Requests	1,501.25	64,341.66	-62,840.41	2.33%	110,300.00
6906 · OBMP Engineering Services - Other	21,977.75	15,120.00	6,857.75	145.36%	25,920.00
Total 6906 · OBMP Engineering Services	453,066.33	483,140.76	-30,074.43	93.78%	735,128.00
6907 · OBMP Legal Fees					
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	14,291.66	-14,291.66	0.0%	24,500.00
6907.32 · Chino Airport Plume	0.00	14,291.66	-14,291.66	0.0%	24,500.00
6907.33 · Desalter/Hydraulic Control	0.00	28,525.00	-28,525.00	0.0%	48,900.00
6907.34 · Santa Ana River Water Rights	869.85	14,758.34	-13,888.49	5.89%	25,300.00
6907.36 · Santa Ana River Habitat	964.80	11,491.66	-10,526.86	8.4%	19,700.00
6907.38 · Reg. Water Quality Cntrl Board	0.00	8,370.84	-8,370.84	0.0%	14,350.00
6907.39 · Recharge Master Plan	6,634.80	39,725.00	-33,090.20	16.7%	68,100.00
6907.40 · Storage Agreements	535.50	50,225.00	-49,689.50	1.07%	86,100.00
6907.41 · Prado Basin Habitat Sustainability	5,704.65	8,370.84	-2,666.19	68.15%	14,350.00
6907.42 · Safe Yield Recalculation	522,745.04	103,300.00	419,445.04	506.05%	103,300.00
6907.44 · SGMA Compliance	3,368.70	0.00	3,368.70	100.0%	0.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	17,208.34	-17,208.34	0.0%	29,500.00
Total 6907 · WM Legal Counsel	540,823.34	310,558.34	230,265.00	174.15%	458,600.00
Total 6907 · OBMP Legal Fees	540,823.34	310,558.34	230,265.00	174.15%	458,600.00
6909 · OBMP Other Expenses					
6909.1 · OBMP Meetings	1,626.22	875.00	751.22	185.85%	1,500.00
6909.3 · Other OBMP Expenses	1,315.00	1,166.66	148.34	112.72%	2,000.00
6909.6 · OBMP Expenses - Miscellaneous	0.00	5,833.34	-5,833.34	0.0%	10,000.00
Total 6909 · OBMP Other Expenses	2,941.22	7,875.00	-4,933.78	37.35%	13,500.00
6910 · Integrated Resource Plan					
6910.1 · IRP Groundwater Modeling - WEI	50,737.75	0.00	50,737.75	100.0%	0.00
6910.15 · IRP Groundwater Modeling - IEUA	-50,737.75	0.00	-50,737.75	100.0%	0.00
Total 6910 · Integrated Resource Plan	0.00	0.00	0.00	0.0%	0.00
Total 6900 · Optimum Basin Mgmt Plan	1,088,070.68	887,940.10	200,130.58	122.54%	1,344,437.00

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

CURRENT MONTH – JANUARY 2016

As of January 31, 2016, the total (YTD) Engineering Services expenses were \$547,196 or 31.7% below the (YTD) budget amount of \$1,724,885. The OBMP Implementation Projects (consolidated accounts 7100's – 7700's) were all (Under) budget as of January 31, 2016.

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 was provided as part of the FY 2015/16 Mid-Year Review during the February 2016 meetings. The ECAC report for the period ending December 31, 2015 showed a projected under budget of \$19,870. Watermaster does not plan to present any Budget Transfers or Budget Amendments at this time.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

November 2015:

The first ECAC report for the current fiscal year has been provided for the period ending September 30, 2015 and showed a projected over budget of \$30,411. The second ECAC report is scheduled to be issued in mid-February 2016 for the period July 2015 through December 2015.

July 2015:

The breakdown of the total FY 2015/16 Task Order amount of \$2,595,942 includes direct labor costs for Wildermuth Environmental, Inc. (80%) along with other direct charges such as equipment rental, laboratory fees, travel costs, reproduction costs, and outside professional services (20%).

The approved "Original" Engineering Services budget of \$2,595,942 was increased by "Carry Over" funding in the amount of \$136,696 to the "Amended" amount of \$2,732,638 for FY 2015/16 as provided in the Engineering Services Task Order. The "Carry Over" amount of \$136,696 from FY 2014/15 to the FY 2015/16 budget are expenses related to the ongoing long-term pumping test (\$9,813 for account 7107.2 and \$34,770 for account 7107.6), the PBHSP monitoring program (\$12,127 for account 7108.31 and \$35,986 for account 7108.41), the hydraulic control monitoring program Adaptive Management Plan (\$33,000 for account 7107.8), and expenses related to the upload of GeoTracker and EnviroStor data (\$11,000 for account 7502). 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 2015/16 timeframe.

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 January 31, 2016. 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 '15 - Jan '16	Jul '15 - Jan '16	\$ Over Budget	% of Budget	FY 2015/16
	Actual	Budget			Annual Budget
6906 · OBMP Engineering Services - Other	21,977.75	15,120.00	6,857.75	145.36%	25,920.00
6906.1 · OBMP - Watermaster Model Update	172,007.80	217,264.44	-45,256.64	79.17%	279,340.00
6906.21 · State of the Basin Report	0.00	0.00	0.00	0.0%	0.00
6906.22 · Water Rights Compliance Reporting	15,593.75	14,235.65	1,358.10	109.54%	24,404.00
6906.23 · SGMA Reporting Requirements	3,836.25	10,145.35	-6,309.10	37.81%	17,392.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	42,184.03	51,134.41	-8,950.38	82.5%	87,659.00
6906.32 · OBMP - Other General Meetings	12,257.62	19,178.25	-6,920.63	63.91%	32,877.00
6906.33 · OBMP - App. Pool Issue Resolution	0.00	32,062.34	-32,062.34	0.0%	54,964.00
6906.71 · OBMP - Data Requests - CBWM Staff	84,316.53	37,370.66	46,945.87	225.62%	64,064.00
6906.72 · OBMP - Data Requests - Non CBWM	7,706.75	22,288.00	-14,581.25	34.58%	38,208.00
6906.73 · OBMP - Safe Yield Recalculation	91,684.60	0.00	91,684.60	100.0%	0.00
6906.74 · OBMP - Mat'l Physical Injury Requests	1,501.25	64,341.66	-62,840.41	2.33%	110,300.00
7103.3 · Grdwtr Qual-Engineering	72,119.84	70,301.00	1,818.84	102.59%	120,516.00
7103.5 · Grdwtr Qual-Lab Svcs	48,037.00	22,869.59	25,167.41	210.05%	39,205.00
7104.3 · Grdwtr Level-Engineering	104,798.79	102,917.50	1,881.29	101.83%	176,430.00
7104.8 · Grdwtr Level-Contracted Services	0.00	5,833.34	-5,833.34	0.0%	10,000.00
7104.9 · Grdwtr Level-Capital Equipment	0.00	5,250.00	-5,250.00	0.0%	7,000.00
7107.2 · Grd Level-Engineering	29,683.84	36,957.84	-7,274.00	80.32%	56,347.00
7107.3 · Grd Level-SAR Imagery	29,000.00	63,750.00	-34,750.00	45.49%	85,000.00
7107.6 · Grd Level-Contract Svcs	1,799.50	102,605.25	-100,805.75	1.75%	151,059.00
7107.8 · Grd Level-Capital Equipment	0.00	3,266.66	-3,266.66	0.0%	5,600.00
7108.3 · Hydraulic Control-Engineering	12,973.70	29,148.00	-16,174.30	44.51%	49,968.00
7108.31 · Hydraulic Control-PBHSP	82,148.91	80,388.09	1,760.82	102.19%	129,146.00
7108.32 · Hydraulic Control-Adaptive Mgmt Plan	49,016.97	43,176.00	5,840.97	113.53%	43,176.00
7108.4 · Hydraulic Control-Lab Svcs	4,464.00	14,630.59	-10,166.59	30.51%	25,081.00
7108.41 · Hydraulic Control-PBHSP	22,930.00	43,633.50	-20,703.50	52.55%	49,096.00
7108.6 · Hydraulic Control-Outside Professionals	0.00	52,500.00	-52,500.00	0.0%	90,000.00
7108.7 · Hydraulic Control-Prado Basin Habitat	4,428.00	0.00	4,428.00	100.0%	0.00
7109.3 · Recharge & Well - Engineering	3,709.75	11,589.09	-7,879.34	0.0%	19,867.00
7202.2 · Comp Recharge-Engineering Services	38,788.32	93,044.00	-54,255.68	41.69%	159,504.00
7303 · PE3&5-Engineering - Other	0.00	13,640.66	-13,640.66	0.0%	23,384.00
7402 · PE4-Engineering	8,347.50	49,413.00	-41,065.50	16.89%	84,708.00
7402.10 · PE4-MZ1 Pomona Project	168,456.66	295,315.41	-126,858.75	57.04%	506,255.00
7403 · PE4-Contract Svcs	4,800.00	11,666.66	-6,866.66	41.14%	20,000.00
7502 · PE6&7-Engineering	24,583.50	52,323.34	-27,739.84	46.98%	81,840.00
7602 · PE8&9-Engineering	14,536.00	37,524.66	-22,988.66	38.74%	64,328.00
Total Engineering Services Costs	1,177,688.61	1,724,884.94	-547,196.33	68.28%	2,732,638.00 *

* Wildermuth and Subcontractor Engineering Budget of \$2,595,942 plus Carryover Funds from FY 2014/15 of \$136,696 = \$2,732,638
Carryover Funds from FY 2014/15 = \$9,813 (7107.2); \$34,770 (7107.6); \$12,127 (7108.31); \$35,986 (7108.41); \$33,000 (7108.7); and \$11,000 (7502) = \$136,696

PRADO BASIN HABITAT SUSTAINABILITY PROGRAM

The Prado Basin Habitat Sustainability Program came about as a result of the Peace II Agreement SEIR mitigation measure 4.4-3 and was adopted by IEUA's Board in October, 2010. The purpose of the mitigation measure is to ensure that the Prado Basin riparian habitat will not be impacted by Hydraulic Control. The basic program tasks are to convene a committee that will develop this adaptive management plan, to install necessary monitoring wells, to complete vegetation and aerial surveys, and to implement photo station monitoring. In terms of the financial aspects of this program, there is a cost sharing agreement, which was approved by the Watermaster Board in September, 2012 for a total budget of \$440,000. The cost sharing agreement between IEUA and Watermaster was increased from \$220,000 to \$300,000 effective August 22, 2013 with the approval of the Board. This is a 50/50 cost sharing agreement between Watermaster and IEUA with a not to exceed amount of \$300,000 for each party. Included in that cost is hiring a consultant to develop the adaptive management plan, WEI performing the project management tasks related to the monitoring well installation, hiring a contractor to construct and install up to seventeen monitoring wells at nine separate sites, and United States Bureau of Reclamation

performing vegetation monitoring every three years. Grants have been applied for to offset the cost of this program; however, the Grants were not approved.

The process of invoicing IEUA for their 50% portion of the (WEI) invoices will be completed by Watermaster staff at the end of every quarter. The information listed below is provided for the period of May 1, 2012 through January 31, 2016:

	Wildermuth Environmental, Inc.	50% Billing "TO" IEUA	50% Billing "FROM" IEUA	Costs For Watermaster	Watermaster Staff "Hours"	Watermaster Staff "Costs"
May 2012 - Jun. 2012	\$ 11,143.75	\$ (5,571.88)	\$ -	\$ 5,571.88	4.00	\$ 411.38
Jul. 2012 - Jun. 2013	\$ 120,945.28	\$ (60,472.64)	\$ 6,275.92	\$ 66,748.56	73.00	\$ 7,837.27
Jul. 2013 - Jun. 2014	\$ 21,722.09	\$ (10,861.05)	\$ 474.09	\$ 11,335.14	56.00	\$ 5,719.30
Jul. 2014 - Jun. 2015	\$ 198,138.44	\$ (99,069.22)	\$ -	\$ 99,069.22	9.00	\$ 1,141.63
Jul. 2015 - Jan. 2016	\$ 4,428.00	\$ (2,214.00)	\$ -	\$ 2,214.00	30.00	\$ 3,587.65
Totals	\$ 356,377.56	\$ (178,188.78)	\$ 6,750.01	\$ 184,938.79	172.00	\$ 18,697.23
	7108.7	7108.71, 7108.72	7108.75			7108.11

OTHER INCOME AND EXPENSE

There were no other significant items to report within the category of Other Income and Expenses for the month ending January 31, 2016.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

July 2015:

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 2015/16 annual administrative fee invoice was issued on July 1, 2015 in the amount of \$157,349.47 under invoice number DYY 15-01. On August 3, 2015 payment in the amount of \$157,349.47 was received from The Metropolitan Water District of Southern California.

"CARRY OVER" FUNDING

CURRENT MONTH – JANUARY 2016

As of January 31, 2016, the total (YTD) amount remaining of the "Carried Over" funding is \$1,476,243.40 (\$1,872,937.85 - \$396,694.45 = \$1,476,243.40). The following details are provided:

"Carried Over" Expenses At June 30, 2015

			GL Account		
Printing - Annual Report	\$ 5,000.00	A	6045	FY 2014/15	ADM
Rauch Communication Consultants - Annual Report	\$ 15,000.00	B	6061.3	FY 2014/15	ADM
Ground Level Monitoring - Engineering	\$ 9,813.00	C	7107.2 ¹	FY 2014/15	ENG
Ground Level - Contracted Services	\$ 34,770.00	D	7107.6 ¹	FY 2014/15	ENG
Chino Hills ASR Project	\$ 29,285.99	E	7107.62	FY 2014/15	ASR
Hydraulic Control Engineering - PBHSP	\$ 12,127.00	F	7108.31 ²	FY 2014/15	ENG
Hydraulic Control Monitoring Lab Services - PBHSP	\$ 35,986.00	G	7108.41 ²	FY 2014/15	ENG
Hydraulic Control Monitoring - Adaptive Mgmt Plan	\$ 33,000.00	H	7108.32 ³	FY 2014/15	ENG
Jurupa Pumping Station (TO #5)	\$ 37,981.33	I	7209.1	FY 2014/15	PROJ
Wineville Basin Proof of Concept (TO #6)	\$ 35,397.53	J	7209.2	FY 2014/15	PROJ
PE 6&7 - Engineering Services	\$ 11,000.00	K	7502 ⁴	FY 2014/15	ENG
Hickory Basin Recharge Improvement Project	\$ 3,877.00	L	7690.3	FY 2014/15	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$ 475,000.00	M	7690.4	FY 2014/15	PROJ
CB20 Turnout Noise Abatement Project	\$ 80,000.00	N	7690.5	FY 2014/15	PROJ
GWR SCADA Upgrades (TO #4)	\$ 383,200.00	O	7690.61	FY 2014/15	PROJ
SCADA Communication Upgrades (TO #3)	\$ 547,500.00	P	7690.62	FY 2014/15	PROJ
Upper Santa Ana River HCP (TO #7)	\$ 75,000.00	Q	7690.7	FY 2014/15	PROJ
Lower Day Basin RMPU (TO #2)	\$ 49,000.00	R	7690.8	FY 2014/15	PROJ
Total Balance, June 30, 2015	\$ 1,872,937.85				

"Carried Over" Balance, July 1, 2015 \$ 1,872,937.85

Less: (Invoices Received To Date FY 2015/16)

Rauch Communication Consultants - Annual Report	\$ (15,000.00)	B	6061.3	FY 2014/15	ADM
Hydraulic Control Monitoring Lab Services - PBHSP	\$ (9,820.00)	G	7108.41 ²	FY 2014/15	ENG
Hydraulic Control Monitoring - Adaptive Mgmt Plan	\$ (33,000.00)	H	7108.32 ³	FY 2014/15	ENG
San Sevaine Recharge Improvement Project (TO #8)	\$ (111,118.08)	M	7690.4	FY 2014/15	PROJ
CB20 Turnout Noise Abatement Project	\$ (25,207.74)	N	7690.5	FY 2014/15	PROJ
GWR SCADA Upgrades (TO #4)	\$ (56,514.47)	O	7690.61	FY 2014/15	PROJ
SCADA Communication Upgrades (TO #3)	\$ (97,034.16)	P	7690.62	FY 2014/15	PROJ
Lower Day Basin RMPU (TO #2)	\$ (49,000.00)	R	7690.8	FY 2014/15	PROJ
Updated Balance as of January 31, 2016	\$ 1,476,243.40				

¹ Long-Term Pumping Test

³ Adaptive Management Plan

² Prado Basin Habitat Sustainability Program monitoring program

⁴ Upload GeoTracker and EnviroStor sites

BACKGROUND OF "CARRY OVER" FUNDING

Once the FY 2014/15 period as of June 30, 2015 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 2015/16 budget. The Total "Carry Over" funding amount of \$1,872,937.852 was posted to the accounts as of January 31, 2016. The total amount of \$1,872,937.85 consisted of \$1,686,955.86 from Capital Improvement Projects; \$136,696.00 from Engineering Services; \$29,285.99 from the Chino Hills ASR Project; and \$20,000.00 from the Administration budget for completion of the Annual Reports.

Several projects were completed during FY 2014/15 and have remaining funds available to be either (1) transferred to other project(s) that need additional funding, (2) keep amounts on reserve for future Capital

Improvement Projects, or (3) refunded back to the Appropriative Pool when the Assessment package is invoiced. The funding amounts available are as follows: Jurupa Pumping Station in the amount of \$37,981.33 (account 7209.1); Wineville Basin Proof of Concept in the amount of \$35,397.53 (account 7209.2); and Hickory Basin Recharge Improvement Project in the amount of \$3,877.00 (account 7690.3). The total amount available is \$77,255.86 ($\$37,981.33 + \$35,397.53 + \$3,877.00 = \$77,255.86$).

The San Sevaine Recharge Improvement Project-Task Order #8 has a remaining funded budget balance of \$475,000 in account (7690.4); the CB 20 Turnout project has a remaining funded budget balance of \$80,000 in account (7690.5); the GWR SCADA Upgrades-Task Order #4 has a remaining funded budget balance of \$383,200 in account (7960.61); the SCADA Communication Upgrades-Task Order #3 has a remaining funded budget balance of \$547,500 in account (7690.62); the Upper Santa Ana River HCP-Task Order #7 has a remaining funded balance of \$75,000 in account (7690.7); and the Lower Day Basin RMPU-Task Order #2 has a remaining funded budget balance of \$49,000 in account (7690.8). The total funded budget for these combined projects is \$1,609,700.

Unspent funds related to ongoing projects and associated activities from the Engineering Services budget from FY 2014/15 in several accounts totaling \$136,696 were "Carried Over" into the current FY 2015/16 budget. These funds were from the Ground Level Monitoring-Engineering (7107.2) in the amount of \$9,813; Ground Level Monitoring-Contracted Services (7107.6) in the amount of \$34,770; Hydraulic Control Monitoring-Engineering-PBHSP (7108.31) in the amount of \$12,127; Hydraulic Control Monitoring-Lab Services-PBHSP (7108.41) in the amount of \$35,986; Hydraulic Control Monitoring-Adaptive Management Plan (7108.7) in the amount of \$33,000; and Cooperative Efforts/Salt Management Engineering Services (7502) in the amount of \$11,000.

The ongoing Chino Hills ASR Project continues into FY 2015/16 and previous years funding of \$29,285.99 has been carried over into account (7107.62).

Unspent funds of \$20,000 related to the ongoing Annual Reports for development, production, and printing from the Administrative budget from FY 2014/15 from two accounts were "Carried Over" into the current FY 2015/16 budget. These funds were from the Printing-Annual Report (6045) in the amount of \$5,000; and Rauch Communication Consultants-Annual Report (6061.3) in the amount of \$15,000.

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, 2016, any remaining balances of the FY 2015/16 and prior years funding (if any), along with any new FY 2015/16 expenses, will then be "Carried Over" into the FY 2016/17 budget.

AUDIT FIELD WORK

FY 2015/16

Auditors from the audit firm of Fedak & Brown LLP are scheduled to be onsite at the Watermaster offices on March 29 and March 30, 2016. This will be the start of the interim field work for the period of July 1, 2015 through January 31, 2016. The final field work for the period of February 1, 2016 through June 30, 2016 is planned for August 2016, with the Annual Financial and Audit Reports presented to the Watermaster Board at the November 17, 2016 Board meeting. The Annual Financial and Audit Reports for FY 2015/16 will be posted to the Watermaster website in December 2016.

FY 2014/15

Auditors from the audit firm of Fedak & Brown LLP were onsite at the Watermaster offices on August 10 and August 11, 2015. This was the final field work and the start of the development of the audited financial reports and statements for FY 2014/15. The initial field work was completed on June 15 and June 16, 2015. On November 19, 2015, the Senior Manager of Fedak & Brown, LLP presented the Annual Financial and Audit Reports to the Watermaster Board. The Annual Financial and Audit Reports for FY 2014/15 were posted to the Watermaster website on November 23, 2015.

ASSESSMENT INVOICING

CURRENT MONTH – JANUARY 2016

As discussed during the FY 2015/16 Mid-Year Review during the February 2016 meetings, if the Safe Yield Redetermination and Reset is resolved and completed during the April 8, 2016 court hearing, the FY 2015/16 Assessment Package (Production Year FY 2014/15) could be completed and presented in the June or July 2016 timeframe. If the Assessment invoices were then issued in July 2016, payment would be due to Watermaster in August 2016. As presented during the FY 2015/16 Mid-Year Review, Watermaster projects the current cash flow could sustain Watermaster until late September 2016.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

December 2015:

Due to the Safe Yield Reset process this year, and the effects that it had on the Assessment Package, production of the Assessment Package was delayed. The Assessment Package will not be produced until the Court has considered the Safe Yield Reset Agreement, which is expected in a few months. However, Watermaster cannot wait until that time to collect assessments, as the funds will be needed sooner than that in order to keep Watermaster operational.

On November 19, 2015 the Watermaster Board approved staff's recommendation for collection of an interim partial assessment based upon fifty percent of last year's Appropriative Pool Admin and OBMP assessments, including those paid on behalf of the Agricultural Pool, in addition to fifty percent of last year's Recharge Debt and Recharge Improvement assessments, and to collect fifty percent of last year's Non-Ag Pool Admin and OBMP assessments. The balance, accounting for the interim assessment, would be collected when the Assessment Package is produced, following consideration of the Safe Yield Reset Agreement by the Court. Note that if a Party has an amount due of less than \$500 (including special assessments), collection was deferred until the final assessment invoice later in the fiscal year.

Included as part of the interim assessment invoicing, the Non-Agricultural Pool had a Special Assessment of \$60,000 as approved during a Confidential Session on November 12, 2015. The \$60,000 was allocated to the Non-Agricultural Pool members based upon the tentative actual production numbers from 2014/15 and will be adjusted once all Water Activity Reports (WARs) have been received.

The Watermaster staff issued and emailed the "interim" Assessment invoices on Thursday, November 19, 2015. The Assessment invoices were due 30 days from invoice date, on or before Monday, December 21, 2015. New for this payment cycle is the ability for parties to pay their invoice either by check or by wire transfer.

All "interim" Assessment invoice payments have been received.

ATTACHMENTS

1. Financial Report - B5

	1/12th (8.33%) of the Total Budget				7/12th (59%) of the Total Budget				100% of the Total Budget			
	For The Month of January 2016				Year-To-Date as of January 31, 2016				Fiscal Year End as of June 30, 2016			
	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget	Projected	Budget	\$ Over(Under)	% of Budget
Income												
4010 · Local Agency Subsidies	0.00	0.00	0.00	0.0%	157,349.47	157,941.00	-591.53	99.63%	157,941.00	157,941.00	0.00	100.0%
4110 · Admin Asmnts-Approp Pool	0.00	0.00	0.00	0.0%	3,569,781.01	8,637,418.00	-5,067,636.99	41.33%	8,637,418.00	8,637,418.00	0.00	100.0%
4120 · Admin Asmnts-Non-Agri Pool	0.00	0.00	0.00	0.0%	151,739.47	296,797.00	-145,057.53	51.13%	296,797.00	296,797.00	0.00	100.0%
4700 · Non Operating Revenues	0.00	0.00	0.00	0.0%	10,098.46	11,025.00	-926.54	91.6%	22,050.00	22,050.00	0.00	100.0%
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%
Total Income	0.00	0.00	0.00	0.0%	3,888,968.41	9,103,181.00	-5,214,212.59	42.72%	9,114,206.00	9,114,206.00	0.00	100.0%
Gross Profit	0.00	0.00	0.00	0.0%	3,888,968.41	9,103,181.00	-5,214,212.59	42.72%	9,114,206.00	9,114,206.00	0.00	100.0%
Expense												
6010 · Admin. Salary/Benefit Costs	72,026.04	78,074.00	-6,047.96	92.25%	498,291.77	520,934.00	-22,642.23	95.65%	877,531.46	880,591.00	-3,059.54	99.65%
6020 · Office Building Expense	9,213.85	9,432.00	-218.15	97.69%	59,620.89	65,289.00	-5,668.11	91.32%	105,814.08	110,381.00	-4,566.92	95.86%
6030 · Office Supplies & Equip.	1,689.49	2,630.00	-940.51	64.24%	14,258.91	18,910.00	-4,651.09	75.4%	30,638.84	32,560.00	-1,921.16	94.1%
6040 · Postage & Printing Costs	3,718.39	4,102.00	-383.61	90.65%	27,190.97	38,118.00	-10,927.03	71.33%	59,445.16	60,032.00	-586.84	99.02%
6050 · Information Services	11,049.40	11,570.00	-520.60	95.5%	65,550.17	80,490.00	-14,939.83	81.44%	129,001.54	131,840.00	-2,838.46	97.85%
6060 · Contract Services	0.00	0.00	0.00	0.0%	22,940.75	48,100.00	-25,159.25	47.69%	54,381.50	55,600.00	-1,218.50	97.81%
6070 · Watermaster Legal Services	16,983.67	16,144.00	839.67	105.2%	150,540.74	130,019.00	20,521.74	115.78%	267,114.14	256,450.00	10,664.14	104.16%
6080 · Insurance	0.00	0.00	0.00	0.0%	26,083.25	26,776.00	-692.75	97.41%	27,583.25	27,916.00	-332.75	98.81%
6110 · Dues and Subscriptions	9,057.50	4,267.00	4,790.50	212.27%	18,478.80	20,085.00	-1,606.20	92.0%	20,842.60	21,335.00	-492.40	97.69%
6140 · WM Admin Expenses	440.96	75.00	365.96	587.95%	1,391.29	1,425.00	-33.71	97.63%	2,400.66	2,700.00	-299.34	88.91%
6150 · Field Supplies	474.99	0.00	474.99	100.0%	658.59	950.00	-291.41	69.33%	1,117.20	1,450.00	-332.80	77.05%
6170 · Travel & Transportation	1,869.48	2,005.00	-135.52	93.24%	12,347.59	14,665.00	-2,317.41	84.2%	22,456.22	25,320.00	-2,863.78	88.69%
6190 · Training, Conferences, Seminars	2,773.86	0.00	2,773.86	100.0%	16,593.89	13,884.00	2,709.89	119.52%	27,640.06	22,400.00	5,240.06	123.39%
6200 · Advisory Comm - WM Board	3,223.00	3,754.00	-531.00	85.86%	19,525.28	25,677.00	-6,151.72	76.04%	34,104.56	43,674.00	-9,569.44	78.09%
6300 · Watermaster Board Expenses	10,533.28	15,084.00	-4,550.72	69.83%	71,796.63	104,598.00	-32,801.37	68.64%	137,526.70	178,744.00	-41,217.30	76.94%
8300 · Appr PI-WM & Pool Admin	4,467.42	11,491.00	-7,023.58	38.88%	28,315.86	79,640.00	-51,324.14	35.56%	122,696.88	136,069.00	-13,372.12	90.17%
8400 · Agri Pool-WM & Pool Admin	3,977.08	5,107.00	-1,129.92	77.88%	22,723.47	35,053.00	-12,329.53	64.83%	47,492.78	59,690.00	-12,197.22	79.57%
8467 · Ag Legal & Technical Services	41,732.50	17,084.00	24,648.50	244.28%	207,660.00	119,584.00	88,076.00	173.65%	331,855.00	205,000.00	126,855.00	161.88%
8470 · Ag Meeting Attend -Special	2,200.00	1,850.00	350.00	118.92%	18,825.00	12,950.00	5,875.00	145.37%	33,250.00	22,200.00	11,050.00	149.78%
8471 · Ag Pool Expense	0.00	0.00	0.00	0.0%	0.00	32,500.00	-32,500.00	0.0%	30,000.00	65,000.00	-35,000.00	46.15%
8485 · Ag Pool - Misc. Exp. - Ag Fund	0.00	0.00	0.00	0.0%	0.00	200.00	-200.00	0.0%	100.00	400.00	-300.00	25.0%
8500 · Non-Ag PI-WM & Pool Admin	7,491.06	9,077.00	-1,585.94	82.53%	55,604.68	63,124.00	-7,519.32	88.09%	97,727.24	107,974.00	-10,246.76	90.51%
9400 · Depreciation Expense	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	5,500.00	0.00	5,500.00	100.0%
9500 · Allocated G&A Expenditures	-19,097.90	-33,442.00	14,344.10	57.11%	-133,835.18	-234,096.00	100,260.82	57.17%	-229,474.56	-401,307.00	171,832.44	57.18%
6900 · Optimum Basin Mgmt Plan	205,777.17	110,785.44	94,991.73	185.74%	1,088,070.68	887,940.10	200,130.58	122.54%	1,614,587.02	1,344,437.00	270,150.02	120.09%
6950 · Mutual Agency Projects	0.00	0.00	0.00	0.0%	0.00	10,000.00	-10,000.00	0.0%	0.00	10,000.00	-10,000.00	0.0%
9501 · G&A Expenses Allocated-OBMP	3,602.05	10,721.34	-7,119.29	33.6%	50,067.61	75,049.34	-24,981.73	66.71%	92,931.12	128,656.00	-35,724.88	72.23%
7101 · Production Monitoring	11,047.82	4,998.50	6,049.32	221.02%	50,395.96	33,486.50	16,909.46	150.5%	78,696.28	56,547.00	22,149.28	139.17%
7102 · In-line Meter Installation	0.00	5,638.91	-5,638.91	0.0%	4,123.55	39,217.41	-35,093.86	10.52%	33,247.10	67,087.00	-33,839.90	49.56%
7103 · Grdwtr Quality Monitoring	454.49	18,642.27	-18,187.78	2.44%	126,268.38	129,022.77	-2,754.39	97.87%	251,627.78	220,342.00	31,285.78	114.2%
7104 · Gdwtr Level Monitoring	25,987.11	21,270.00	4,717.11	122.18%	143,742.43	146,247.00	-2,504.57	98.29%	235,510.64	247,627.00	-12,116.36	95.11%
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%
7107 · Ground Level Monitoring	24,387.20	35,285.25	-10,898.05	69.11%	60,483.34	235,865.74	-175,382.40	25.64%	247,192.28	327,291.99	-80,099.71	75.53%

	1/12th (8.33%) of the Total Budget				7/12th (59%) of the Total Budget				100% of the Total Budget			
	For The Month of January 2016				Year-To-Date as of January 31, 2016				Fiscal Year End as of June 30, 2016			
	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget	Projected	Budget	\$ Over(Under)	% of Budget
7108 · Hydraulic Control Monitoring	29,876.88	25,551.18	4,325.70	116.93%	179,549.23	269,853.18	-90,303.95	66.54%	374,344.70	397,236.00	-22,891.30	94.24%
7109 · Recharge & Well Monitoring Prog	0.00	1,655.59	-1,655.59	0.0%	3,709.75	11,589.09	-7,879.34	32.01%	12,419.50	19,867.00	-7,447.50	62.51%
7200 · PE2- Comp Recharge Pgm	12,328.19	17,373.66	-5,045.47	70.96%	364,604.19	795,234.52	-430,630.33	45.85%	1,010,552.00	1,078,549.86	-67,997.86	93.7%
7300 · PE3&5-Water Supply/Desalte	0.00	3,849.00	-3,849.00	0.0%	0.00	26,544.00	-26,544.00	0.0%	0.00	45,276.00	-45,276.00	0.0%
7400 · PE4- Mgmt Plan	50,737.14	51,921.91	-1,184.77	97.72%	183,344.66	363,209.41	-179,864.75	50.48%	565,215.04	622,505.00	-57,289.96	90.8%
7500 · PE6&7-CoopEfforts/SaltMgmt	1,278.75	6,887.34	-5,608.59	18.57%	24,583.50	58,913.34	-34,329.84	41.73%	71,609.50	92,966.00	-21,356.50	77.03%
7600 · PE8&9-StorageMgmt/Conj Use	0.00	6,471.82	-6,471.82	0.0%	14,589.18	44,972.82	-30,383.64	32.44%	49,178.36	76,909.00	-27,730.64	63.94%
7690 · Recharge Improvement Debt Pymt	0.00	1,133,200.00	-1,133,200.00	0.0%	690,503.45	3,369,227.00	-2,678,723.55	20.49%	2,786,006.90	3,932,677.00	-1,146,670.10	70.84%
7700 · Inactive Well Protection Prgm	0.00	41.66	-41.66	0.0%	0.00	291.66	-291.66	0.0%	0.00	500.00	-500.00	0.0%
9502 · G&A Expenses Allocated-Projects	15,495.85	22,720.91	-7,225.06	68.2%	83,767.57	159,046.41	-75,278.84	52.67%	136,543.44	272,651.00	-136,107.56	50.08%
Total Expense	564,796.72	1,635,318.78	-1,070,522.06	34.54%	4,272,366.83	7,874,585.29	-3,602,218.46	54.26%	9,796,406.97	10,987,143.85	-1,190,736.88	89.16%
Net Ordinary Income	-564,796.72	-1,635,318.78	1,070,522.06	34.54%	-383,398.42	1,228,595.71	-1,611,994.13	-31.21%	-682,200.97	-1,872,937.85	1,190,736.88	36.42%
Other Income												
4210 · Approp Pool-Replenishment	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4220 · Non-Ag Pool-Replenishment	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4225 · Interest Income	0.00	0.00	0.00	0.0%	2,402.77	0.00	2,402.77	100.0%	4,800.00	0.00	4,800.00	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%
4500 · Groundwater Sales	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
Total Other Income	0.00	0.00	0.00	0.0%	2,402.77	0.00	2,402.77	100.0%	4,800.00	0.00	4,800.00	100.0%
Other Expense												
5010 · Groundwater Replenishment	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
5100 · Other Water Purchases	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9200 · Interest Expense	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9251 · Other Post Employment Benefits	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9996 · Refund-Excess Reserves-Approp.	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9997 · Refund-Excess Reserves-NonAg	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9998 · Refund-Recharge Debt-Approp.	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9999 · To/(From) Reserves	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
Total Other Expense	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
Net Other Income	0.00	0.00	0.00	0.0%	2,402.77	0.00	2,402.77	100.0%	4,800.00	0.00	4,800.00	100.0%
Net Income	-564,796.72	-1,635,318.78	1,070,522.06	34.54%	-380,995.65	1,228,595.71	-1,609,591.36	-31.01%	-677,400.97	-1,872,937.85	1,195,536.88	36.17%

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

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR (App and Ag Pool)

C. OBMP SEMI-ANNUAL STATUS REPORTS 2013-2 AND 2014-1

I. BUSINESS ITEM ROUTINE (Non-Ag Pool)

C. OBMP SEMI-ANNUAL STATUS REPORTS 2013-2 AND 2014-1



CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: March 10, 2016
TO: Pool Committee Members
SUBJECT: Semi-Annual Optimum Basin Management Program Status Reports 2013-2 and 2014-1

SUMMARY

Issue: Watermaster produces the Semi-Annual Optimum Basin Management Program (OBMP) Status Reports. The reports for the period July to December 2013 and January to June 2014 have been drafted.

Recommendation: Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the Semi-Annual OBMP Status Report 2013-2 and 2014-1, along with filing a copy with the Court, subject to any necessary non-substantive changes.

Financial Impact: The costs of preparing the Semi-Annual OBMP Status Report and filing it with the Court are included in the Watermaster budget.

Future Consideration

Appropriative Pool: March 10, 2016 Recommendation to the Advisory Committee
Non-Agricultural Pool: March 10, 2016 Recommendation to the Advisory Committee
Agricultural Pool: March 10, 2016 Recommendation to the Advisory Committee
Advisory Committee: March 17, 2016 Recommendation to the Watermaster Board
Watermaster Board: March 24, 2016 Adopt the Semi-Annual OBMP Status Reports 2013-2 and 2014-1, along with filing a copy with the Court, subject to any necessary non-substantive changes [Discretionary Function]

ACTIONS:

March 10, 2016 – Appropriative Pool –
March 10, 2016 – Non-Agricultural Pool –
March 10, 2016 – Agricultural Pool –
March 17, 2016 – Advisory Committee –
March 24, 2016 – Watermaster Board –

BACKGROUND

Semi-Annual OBMP Status Report 2013-2 covers the period from July to December 2013; Semi-Annual OBMP Status Report 2014-1 covers the period from January to June 2014. The reports describe work conducted, and the current status of the nine Program Elements of the Optimum Basin Management Program during the six-month period.

DISCUSSION

Semi-Annual OBMP Status Reports 2013-2 and 2014-1 have been drafted. Once adopted by the Board, the Semi-Annual OBMP Status Reports will be filed with the Court.

ATTACHMENTS

1. Semi-Annual Optimum Basin Management Program Status Report 2013-2
2. Semi-Annual Optimum Basin Management Program Status Report 2014-1

Optimum Basin Management Program

Staff Status Report 2013-2: July to December 2013



CHINO BASIN WATERMASTER

Optimum Basin Management Program

Highlighted Activities

- In December 2013, Watermaster and IEUA submitted an updated Maximum Benefit Monitoring Program Work Plan and Proposed Schedule for Achieving Hydraulic Control to the Regional Water Quality Control Board. The updated Work Plan states that Watermaster and IEUA will recalibrate the Chino Basin groundwater model every five years and use the model to estimate groundwater discharge from Chino-North to the Santa Ana River (i.e. annual underflow past the Chino Creek Well Field) and determine whether Hydraulic Control has been achieved.
- As a requirement of Mitigation Measure 4.4-3 from the Peace II Subsequent Environmental Impact Report, Watermaster, Inland Empire Utilities Agency (IEUA), and Orange County Water District (OCWD) continued to develop a Prado Basin Habitat Sustainability Program (PBHSP). During this reporting period, a PBHSP Committee meeting to develop the Adaptive Management Plan was held on September 3, 2013. The IEUA began the bidding process to hire a contractor to perform the CPT and well installation, and continued property acquisition and permitting.
- Watermaster and IEUA continued to work together toward the Turner Basins/Guasti Park Recharge Expansion Project in MZ-2, which is projected to recharge an additional 300 acre-feet of storm runoff annually. Also, Watermaster and IEUA continued the Wineville Basin Proof-of-Concept investigation during the reporting period. Construction of the six test cells was completed in September 2013, and infiltration rate testing occurred in October and November 2013. In addition, during the reporting period, Watermaster and IEUA continued to develop a series of projects outside of the 2013 Amendment to the 2010 Recharge Master Plan (2013 RMPUA) effort that will increase stormwater and supplemental water recharge reliability, and have jointly agreed to fund these projects. Watermaster and IEUA began holding monthly meetings in order to provide regular updates to the Watermaster Parties on these new joint projects.
- Watermaster continued work on the 2013 RMPUA. The Recharge Master Plan Update Steering Committee (Steering Committee) met twice per month to complete the 2013 RMPUA. During this period, the Steering Committee recommended specific recharge projects and the implementation plan, received and reviewed the 2013 RMPUA Draft Report, provided comments and finalized the 2013 RMPUA Report. The recommended projects are projected to increase the stormwater recharge in the Chino Basin by approximately 6,900 acre-feet per year at a capital cost of approximately \$57 million. The 2013 RMPUA report was approved by the Watermaster Board in September and filed with the Court in October 2013.
- During this reporting period, approximately 1,368 acre-feet of stormwater and 7,377 acre-feet of recycled water were recharged. No imported water was recharged.
- The Judgment, OBMP Implementation Plan, and Watermaster's Rules and Regulations require the Safe Yield to be re-determined. The redetermination process continued during this reporting period. The evaluation of the Safe Yield began in 2013. The results of the effort were presented during a workshop in July 2013. Watermaster also held a second workshop in August 2013, a third workshop in December 2013, and various other meetings during this reporting period.

Important Court Hearings and Orders

- OCTOBER 2, 2013-
NOTICE OF RULING RE WATERMASTER'S EX PARTE APPLICATION TO CONTINUE HEARING ON MOTION TO REVISE SECTION 5 OF THE 2013 RECHARGE MASTER PLAN UPDATE AND RESTATED JUDGMENT; NOTICE OF HEARING
- NOVEMBER 22, 2013-
NOTICE OF ORDER GRANTING EX PARTE APPLICATION TO SHORTEN TIME ON MOTION FOR COURT APPROVAL OF A TEMPORARY SUBSTITUTE RATE FOR PHYSICAL SOLUTION TRANSFERS UNDER EXHIBIT "G" TO THE JUDGMENT; NOTICE OF HEARING
- DECEMBER 13, 2013 -
NOTICE OF RULING RE WATERMASTER'S EX PARTE APPLICATION TO CONTINUE HEARING ON MOTION TO REVISE SECTION 5 OF THE 2013 RECHARGE MASTER PLAN UPDATE AND RESTATED JUDGMENT; NOTICE OF HEARING

Optimum Basin Management Program

Program Element 1: Develop and Implement a Comprehensive Monitoring Program

Groundwater Level Monitoring

Watermaster initiated a basin-wide groundwater-level monitoring program as part of the implementation of the OBMP. The monitoring program has been refined over time to satisfy the evolving needs of the Watermaster and Inland Empire Utilities Agency (IEUA), such as new regulatory requirements, and to increase efficiency. The groundwater-level monitoring program supports many Watermaster functions, such as the periodic reassessment of Safe Yield, the monitoring and management of land subsidence, the assessment of Hydraulic Control, the analysis of desalter pumping impacts at private wells, and the triennial re-computation of ambient water quality that is mandated by the Water Quality Control Plan for the Santa Ana Basin. The data are also used to update and re-calibrate Watermaster's computer-simulation groundwater-flow model, to understand directions of groundwater flow, to compute storage changes, to interpret water quality data, and to identify areas of the basin where recharge and discharge are not in balance.

The current groundwater-level monitoring program is comprised of about 1,000 wells. At about 800 of these wells, water levels are measured by well owners, which include municipal water agencies, the California Department of Toxic Substances Control (DTSC), the Counties, and various private consulting firms. Watermaster collects these water level data at least semi-annually. At the remaining 200 wells, water levels are measured by Watermaster staff using manual methods once per month or by using pressure transducers that record data once every 15 minutes. These wells are mainly Agricultural Pool wells located south of the 60 freeway.

Groundwater Quality Monitoring

Watermaster initiated a comprehensive groundwater-quality monitoring program as part of the implementation of the OBMP. The groundwater-quality monitoring program consists of the following four components:

1. An Annual Key-Well Water-Quality Monitoring Program consisting of 111 wells, which are mostly privately-owned agricultural wells in the southern portion of Chino Basin that are otherwise not included in an established sampling program. Twenty of these wells are sampled every year, and the remaining wells are sampled once every three years. The wells sampled annually are for the continuous monitoring of areas of concern associated with the southern edge of the Archibald South (formerly OIA) volatile organic compound (VOC) plume, the southern region of the Chino Airport Plume, and the Kaiser Steel Plume, and includes two multi-port MZ-3 monitoring wells.
2. Annual sampling at nine HCMP multi-port monitoring wells strategically placed between the Chino Desalter well fields and the Santa Ana River. Results of the annual sampling are used to analyze the effect of desalter pumping over time on Hydraulic Control, by comparing water quality of the native groundwater and the Santa Ana River.
3. Quarterly sampling at four near-river wells to characterize the interaction between the Santa Ana River and nearby groundwater. These shallow monitoring wells along the Santa Ana River consist of two former USGS National Water Quality Assessment Program (NAWQA) wells (Archibald 1 and Archibald 2), and two wells (Well 9 and Well 11) owned by the Santa Ana River Water Company.
4. A cooperative basin-wide data-collection effort known as the Chino Basin Data Collection (CBDC) program, which relies on municipal producers and other government agencies to supply groundwater-quality data on a cooperative basis. These sources include the Appropriators, DTSC, Regional Water Quality Control Board (RWQCB), US Geological Survey (USGS), the Counties, and other cooperators.



Chino Basin Desalter Authority Plant #2

All groundwater-quality data are checked by Watermaster staff and uploaded to a centralized database management system that can be accessed online through HydroDaVESM. Groundwater-quality data are used by Watermaster for: the biennial State of the Basin report; the triennial ambient water quality update mandated by the Basin Plan; and the demonstration of Hydraulic Control—a maximum benefit commitment in the Basin Plan. Data are also used for monitoring nonpoint source groundwater contamination and plumes associated with point source discharges and to assess the overall health of the groundwater basin. Groundwater-quality data are also used in conjunction with numerical models to assist Watermaster and other parties in evaluating proposed groundwater remediation strategies.

Optimum Basin Management Program

Program Element 1: Develop and Implement a Comprehensive Monitoring Program (Continued)

Groundwater Production Monitoring

All active wells (except for minimum user wells) are now metered. Watermaster reads the agricultural production data from the meters on a quarterly basis and enters these data into Watermaster's relational database. Minimum user well production is estimated annually by Watermaster, and entered into the database.

Surface Water Monitoring

Water Quality and Quantity in Recharge Basins. Watermaster and IEUA continually measure the quantity of storm and supplemental water entering the recharge basins. Pressure transducers or staff gauges are used to measure water levels during recharge operations. In addition to these quantity measurements, imported water quality data for State Water Project water are obtained from the Metropolitan Water District of Southern California (MWDSC) and recycled water quality data for the RP-1 and RP-4 treatment plant effluents are obtained from IEUA. Combining the measured flow data with the respective water qualities enables the calculation of the blended water quality in each recharge basin, the New Yield to the Chino Basin, and the adequate dilution of recycled water.

Surface Water Monitoring in the Santa Ana River. Watermaster measures selected water quality parameters quarterly at two sites along the Santa Ana River (Santa Ana River at River Road and Santa Ana River at Etiwanda). Along with data collected at four near-river wells, these data are used to characterize the interaction between the Santa Ana River and nearby groundwater. These data are also combined with discharge data from permanent USGS stream gauges, discharge data from publicly owned treatment works (POTWs), and groundwater modeling to assess the state of Hydraulic Control.

Hydraulic Control

In January 2004, the Regional Water Quality Control Board (RWQCB) amended the Water Quality Control Plan (Basin Plan) for the Santa Ana River Basin to incorporate an updated total dissolved solids (TDS) and nitrogen (N) management plan. The Basin Plan Amendment includes both "antidegradation" and "maximum benefit" objectives for TDS and nitrate-nitrogen for the Chino-North and Cucamonga groundwater management zones. The application of the "maximum benefit" objectives relies on Watermaster and IEUA's implementation of a specific program of projects and requirements, which are an integral part of the OBMP. On April 15, 2005, the RWQCB adopted resolution R8-2005-0064, thus approving the Surface Water Monitoring Program and Groundwater Monitoring Program in support of maximum benefit commitments in the Chino-North and Cucamonga Basins.

One of the main maximum-benefit commitments is to achieve and maintain "hydraulic control" of the Chino Basin so that downstream beneficial uses of the Santa Ana River are protected. Hydraulic Control is defined by the Basin Plan as the elimination of groundwater discharge from the Chino-North Management Zone to the Santa Ana River or its reduction to a *de minimus* level. In October 2011, the RWQCB indicated that groundwater discharge in an amount less than 1,000 acre-feet per year would be considered *de minimus* by the RWQCB.

In 2012, the Basin Plan was amended to remove all references to the specific monitoring locations and sampling frequencies required for groundwater and surface water monitoring, thus allowing the program to be modified over time, with approval of the Executive Officer of the RWQCB. The Basin Plan amendment was approved by the RWQCB on February 12, 2012 and by the State Office of Administrative Law on December 6, 2012. This amendment was adopted based on demonstrations made by Watermaster and the IEUA showing that the surface water monitoring program, as included in the Basin Plan, was not meaningfully adding to the body of evidence required to demonstrate Hydraulic Control. In the place of specific monitoring requirements, the Basin Plan Amendment required that Watermaster and IEUA submit for approval by the Executive Officer a new surface water monitoring program work plan by February 25, 2012 and a new groundwater monitoring program work plan by December 31, 2013. In February 2012, Watermaster and the IEUA submitted, and the RWQCB approved, a new surface water monitoring program that reduced the 2004 monitoring program from bi-weekly water quality measurements at 17 sites and direct discharge measurements at six sites, to quarterly water quality sampling at two sites. The new work plan including these changes was adopted by the RWQCB in March 2012.

In December 2013, Watermaster and IEUA submitted an updated Maximum Benefit Monitoring Program Work Plan and Proposed Schedule for Achieving Hydraulic Control to the RWQCB. The updated Work Plan states that Watermaster and IEUA will recalibrate the Chino Basin groundwater model every five years and use the model to estimate groundwater discharge from Chino-North to the Santa Ana River (i.e. annual underflow past the Chino Creek Well Field [CCWF]) and determine whether Hydraulic Control has been achieved.

Optimum Basin Management Program

Program Element 1: Develop and Implement a Comprehensive Monitoring Program (Continued)

During this reporting period, Watermaster measured 453 manual water levels at 78 private wells throughout the Chino Basin, conducted downloads at 107 wells containing pressure transducers, and collected 29 groundwater quality samples and four surface water quality samples. In addition, the state of Hydraulic Control was evaluated using the re-calibrated 2013 Watermaster groundwater model, which found that Hydraulic Control would be achieved under a projected range of CCWF production volumes. These model results were transmitted to the RWQCB in October 2013.

Prado Basin Habitat Sustainability Program

A requirement of Mitigation Measure 4.4-3 from the Peace II Subsequent EIR is for Watermaster, IEUA and Orange County Water District (OCWD) to develop an Adaptive Management Plan for the Prado Basin Habitat Sustainability Program (PBHSP). The objective of this plan is to ensure that the riparian habitat in Prado Basin is not adversely impacted by drawdown associated with the implementation of the Peace II activities. Seventeen monitoring wells at nine sites will be constructed as part of the monitoring program for the PBHSP. During this reporting period, a PBHSP Committee meeting to develop the Adaptive Management Plan was held on September 3, 2013. The IEUA began the bidding process to hire a contractor to perform the CPT and well installation, and continued property acquisition and permitting.

Chino Basin Groundwater Recharge Program

Watermaster, IEUA, the Chino Basin Water Conservation District (CBWCD), and the San Bernardino County Flood Control District (SBCFCD) jointly sponsor the Chino Basin Groundwater Recharge Program. This is a comprehensive water supply program to enhance water supply reliability and improve the groundwater quality in local drinking water wells throughout the Chino Basin by increasing the recharge of storm water, imported water, and recycled water. The recharge program is regulated under RWQCB Order No. R8-2007-0039 and Monitoring and Reporting Program No. R8-2007-0039.

Recharge Activities. Ongoing recycled water recharge occurred in the Brooks, 7th Street, 8th Street, Turner, Victoria, San Sevaine, Ely, Hickory, RP-3, and Banana Basins this reporting period. Stormwater was recharged at 16 recharge basins across all management zones of the Chino Basin during this reporting period. No imported water was recharged this reporting period.

Monitoring Activities. Watermaster and IEUA collect weekly water quality samples from recharge basins that are actively recharging recycled water and from lysimeters installed within those recharge basins. During this reporting period, approximately 184 recharge basin and lysimeter samples were collected and 27 recycled water samples were collected for alternative monitoring plans that include the application of a correction factor for soil-aquifer treatment determined from each recharge basin's start-up period. Monitoring wells located down-gradient of the recharge basins were sampled quarterly at a minimum; however, some monitoring wells were sampled more frequently during the reporting period for a total of 97 samples.



Turner Basin 4

Reporting. Watermaster and IEUA completed the following required reports concerning the recharge program during the reporting period:

- 2Q-2013 Quarterly Report, submitted to the RWQCB – August 2013
- 3Q-2013 Quarterly Report, submitted to the RWQCB – November 2013

Land Surface Monitoring

In response to the occurrence of land subsidence in the City of Chino, the Watermaster prepared and submitted the MZ-1 Subsidence Management (MZ-1 Plan) to the Court for approval and, in November 2007, the Court ordered its implementation (see Program Element 4: Develop and Implement a Comprehensive Groundwater Management Plan for Management Zone 1). The MZ-1 Plan calls

Optimum Basin Management Program

Program Element 1: Develop and Implement a Comprehensive Monitoring Program (Continued)

for several monitoring and mitigation measures to minimize or abate the future occurrence of land subsidence and ground fissuring in the western Chino Basin. These measures and activities include:

- Continuing the scope and frequency of monitoring within the so-called Managed Area (southwest MZ-1) that was conducted during the period when the MZ-1 Plan was being developed.
- Expanding the monitoring of the aquifer system and land subsidence into other areas of MZ-1 and Chino Basin where the data indicate concern for future subsidence and ground fissuring.
- Monitoring of horizontal strain across the historical zone of ground fissuring.
- Evaluating the potential contribution of groundwater production in northern MZ-1 on conditions in southern MZ-1.
- Conducting additional testing and monitoring to refine the MZ-1 Guidance Criteria.
- Developing alternative pumping plans for the MZ-1 producers that are impacted by the MZ-1 Plan.
- Constructing and testing a lower-cost cable extensometer facility at Ayala Park.
- Evaluating and comparing ground-level surveying and Interferometric Synthetic Aperture Radar (InSAR), and recommending future monitoring protocols for both techniques.
- Conducting an ASR (aquifer storage recovery) feasibility study at a City of Chino Hills production well within the MZ-1 Managed Area (Well 16).
- Providing for recovery of groundwater levels in the MZ-1 Managed Area.

During the reporting period, Watermaster undertook the following activities called for in the MZ-1 Plan:

- The continuation of detailed water-level monitoring at wells within the Managed Area and across much of the western portion of Chino Basin. All monitoring equipment is inspected at least quarterly and is repaired and/or replaced as necessary. The data collected were checked and analyzed to assess the functionality of the monitoring equipment and for compliance with MZ-1 Plan.
- The continuation of monitoring and maintenance at the extensometer facilities including: Ayala Park, Chino Creek, and Daniels sites.
- The collection of InSAR data from radar satellites during August and October 2013, which will be analyzed for ground motion in early 2014.
- The conducting of a ground-level survey at established benchmarks in the area surrounding the Chino Creek Well Field. This was the third survey in this area. These initial surveys are establishing a ground-level “baseline” prior to the start-up of the Chino Creek Well Field.
- The conducting of a ground-level survey at established benchmarks in the Managed Area. This survey was completed near full recovery of groundwater levels at PA-7 and will serve as the “baseline” for comparison should the Long-Term Pumping Test be completed in 2014.
- The installation and conducting of a ground-level survey at new benchmarks in the Pomona Area and across the San Jose Fault zone. This was the first survey in this Area. The initial survey is establishing a ground-level “baseline” for comparison with future surveys.
- Assisted the City of Chino Hills in required quarterly reporting for its DWR grant to support the ASR pilot test.

Program Element 2: Develop and Implement a Comprehensive Recharge Program

The average stormwater recharge of the Chino Basin Facilities Improvement Program (CBFIP) facilities is approximately 13,000 acre-feet per year, the supplemental “wet”¹ water recharge capacity is approximately 60,600 acre-feet per year, and the in lieu supplemental water recharge capacity ranges from 25,000 to 40,000 acre-feet per year. There is also a demonstrated well

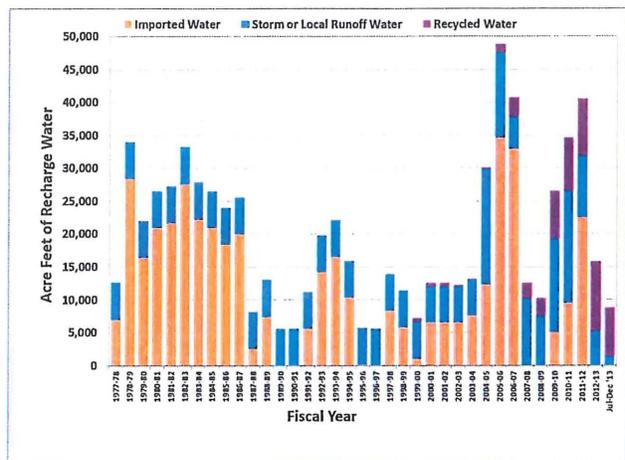
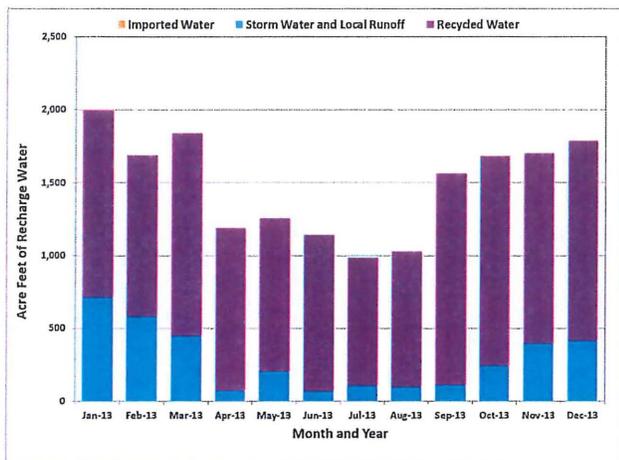
¹The modifier “wet” means actual physical water is being recharged in spreading basins as opposed to the dedication of water from storage or in-lieu recharge.

Optimum Basin Management Program

Program Element 2: Develop and Implement a Comprehensive Recharge Program (Continued)

injection capacity of 5,600 acre-feet per year. Current total supplemental water recharge capacity ranges from 91,200 to 106,200 acre-feet per year, which is greater than projected supplemental water recharge capacity required of Watermaster.

Stormwater recharge during this reporting period was approximately 1,368 acre-feet. Recycled water recharge during this reporting period was approximately 7,377 acre-feet. No imported water was recharged during this reporting period. The IEUA and Watermaster recharge permit was amended in fiscal year 2009/10 to allow for underflow dilution and extended the dilution period from a running 60 months to a running 120 months. The significance of this permit amendment was to reduce the amount of imported and storm waters required for dilution. IEUA projects that dilution requirements will likely be met through 2019/20, even if no imported water were available for dilution.



The total amount of supplemental water recharged in MZ-1 since the Peace II Agreement through June 30, 2013 was approximately 41,710 acre-feet, which exceeded the target of the 39,000 acre-feet required by June 30, 2013 (annual requirement of 6,500 acre-feet). In addition, the amount of supplemental water recharged into MZ-1 during the reporting period was approximately 1,917 acre-feet.

The Groundwater Recharge Coordinating Committee (GRCC) met twice during this reporting period, in August 2013 and December 2013. Recharge basin operations and maintenance are discussed during these meetings.

Watermaster and IEUA continued work on the Turner Basins/Guasti Park Recharge Expansion Project in MZ-2. Following completion, anticipated in 2014, the expansion project is projected to recharge an additional 300 acre-feet of storm runoff annually. Also, Watermaster and IEUA continued the Wineville Proof-of-Concept project. Construction of the six test cells was completed in September 2013, and infiltration rate testing occurred in October and November 2013. The final report is expected in early 2014.

During the reporting period, Watermaster and IEUA continued to develop a series of projects outside of the 2013 Amendment to the 2010 Recharge Master Plan (2013 RMPUA) effort that will increase stormwater and supplemental water recharge reliability, and have jointly agreed to fund these projects. Watermaster and IEUA staff's meet monthly to implement and monitor the progress of these projects. Watermaster's share of the cost of these projects was included in the budget adopted by Watermaster for fiscal year 2013/14. Beginning in November 2013, Watermaster and IEUA held monthly Joint Recharge Improvement Projects Committee meetings. The purpose of the meetings was to provide regular project status updates to the Watermaster Parties.

Watermaster continued work on the 2013 RMPUA. The Recharge Master Plan Update Steering Committee (Steering Committee) met twice per month to complete the 2013 RMPUA. During this period, the Steering Committee recommended specific recharge projects and the implementation plan, received and reviewed the 2013 RMPUA Draft Report, provided comments and finalized the 2013 RMPUA Report. The recommended projects are projected to increase the stormwater recharge in the Chino Basin by

Optimum Basin Management Program

Program Element 2: Develop and Implement a Comprehensive Recharge Program (Continued)

approximately 6,900 acre-feet per year at a capital cost of approximately \$57 million. The 2013 RMPUA report was approved by the Watermaster Board in September and filed with the Court in October 2013. In December 2013, the Court approved the 2013 RMPUA with the exception of Section 5 of the Final Report that dealt with the accounting for new recharge from Municipal Separate Stormwater Sewer Systems. A facilitated process to resolve the City of Fontana's challenge related to Section 5 was initiated and continued in 2014.

Program Element 3: Develop and Implement Water Supply Plan for the Impaired Areas of the Basin; and

Program Element 5: Develop and Implement Regional Supplemental Water Program

Construction of the Chino I Desalter Expansion and the Chino II Desalter facilities was completed in February 2006. As currently configured, the Chino I Desalter provides 2.6 million gallons per day (MGD) of treated (air stripping for VOC removal) water from Well Nos. 1-4, 4.9 MGD of treated (ion exchange for nitrate removal) water from Well Nos. 5-15, and 6.7 MGD of treated (reverse osmosis for nitrate and TDS removal) water from Well Nos. 5-15, for a total of 14.2 MGD (15,900 acre-feet per year). The Chino II Desalter provides 4.0 MGD of ion exchange treated water and 6.0 MGD of reverse osmosis treated water from eight additional wells for a total of 10.0 MGD (11,200 acre-feet per year).

Planning continued between the Chino Desalter Authority (CDA) and Western Municipal Water District (WMWD) to expand the Chino II Desalter by 10.5 MGD (11,800 acre-feet per year). To date, more than \$70 million in grant funds have been secured toward this expansion project. Raw water will be drawn from existing CDA II wells, and possible additional new wells, if needed. In addition, a new Chino Creek Desalter Well Field, required for the Hydraulic Control commitment associated with Maximum Benefit, will provide additional raw water to the Chino I Desalter, enabling some existing wells to direct production to the expanded Chino II Desalter facility. Watermaster and the CDA demonstrated continued progress on the project schedule approved by the RWQCB in June 2010. The final completion date of the expansion project is anticipated to be August 2016. However, efforts to support Hydraulic Control can begin upon completion of the Chino Creek Well Field and associated raw water pipeline. Construction of the raw water pipeline is complete and construction of Wells I-16, I-17 and I-18 is substantially complete, with start-up scheduled for January 2014. Wells I-20 and I-21 are currently scheduled to be completed by November 2014.

Program Element 4: Develop and Implement a Comprehensive Groundwater Management Plan for Management Zone 1

MZ-1 Management Plan

Because of the historical occurrence of pumping-induced land subsidence and ground fissuring in southwestern Chino Basin (southern MZ-1), the OBMP called for the development and implementation of an Interim Management Plan (IMP) for MZ-1 that would:

- Minimize subsidence and fissuring in the short-term,
- Collect information necessary to understand the extent, rate, and mechanisms of subsidence and fissuring, and
- Formulate a management plan to reduce to tolerable levels or abate future subsidence and fissuring.

From 2001-2005, Watermaster developed, coordinated, and conducted an Interim Monitoring Program (IMP) under the guidance of the MZ-1 Technical Committee. The investigation provided enough information for Watermaster to develop Guidance Criteria for the MZ-1 producers in the investigation area that, if followed, would minimize the potential for subsidence and fissuring during the completion of the MZ-1 Plan. The Guidance Criteria included a listing of Managed Wells and their owners subject to the criteria, a map of the so-called Managed Area, and an initial threshold water level (Guidance Level) of 245 feet below the top of the PA-7 well casing. The MZ-1 Summary Report and the Guidance Criteria were adopted by the Watermaster Board in May 2006. The Guidance Criteria formed the basis for the MZ-1 Plan, which was approved by Watermaster in October 2007. The Court approved the MZ-1 Plan in November 2007 and ordered its implementation.

During this reporting period, Watermaster continued implementation of the MZ-1 Plan. Drawdown at the PA-7 piezometer stayed above the Guidance Level during the reporting period, and very little, if any, permanent compaction was recorded at the Ayala Park Extensometer. The ongoing monitoring program called for by the MZ-1 Plan continues to be implemented.

Optimum Basin Management Program

Program Element 4: Develop and Implement a Comprehensive Groundwater Management Plan for Management Zone 1 (Continued)

The Land Subsidence Committee (LSC) met in October 2013. Watermaster staff and consultants provided an update on the ongoing monitoring and testing program in the MZ-1 Managed Area, and on the ASR pilot test at Chino Hills Well 16. Watermaster staff and consultants presented the draft 2012 Annual Report of the Land Subsidence Committee for review. The final 2012 Annual Report was filed with the Court in December 2013.

Program Element 6: Develop and Implement Cooperative Programs with the Regional Water Quality Control Board, Santa Ana Region (Regional Board) and Other Agencies to Improve Basin Management; and

Program Element 7: Develop and Implement a Salt Management Program

Archibald South Plume

In July 2005, the RWQCB prepared draft Cleanup and Abatement Orders (CAOs) for six parties who were tenants on the Ontario International Airport (OIA) with regard to the Archibald South (trichloroethene [TCE]) Plume. The draft CAOs required the parties to “submit a work plan and time schedule to further define the lateral and vertical extent of the TCE and related VOCs that are discharging, have been discharged, or threaten to be discharged from the site” and to “submit a detailed remedial action plan, including an implementation schedule, to cleanup or abate the effects of the TCE and related VOCs.” Four of the parties (Aerojet, Boeing, General Electric [GE], and Lockheed Martin) voluntarily formed a group (known as ABGL) to work jointly on a remedial investigation. Northrop Grumman declined to participate in the group. The US Air Force, in cooperation with the US Army Corps of Engineers, funded the installation of one of the four clusters of monitoring wells installed by ABGL.

In 2012, the RWQCB issued a draft CAO to the City of Ontario, the City of Upland, and IEUA concerning the former Ontario-Upland Sewage Treatment Plant (Regional Recycling Plant No. 1), located in the City of Ontario. The draft CAO states that these parties are “responsible parties subject to this Order because, as the former and current owners and operators of the WWTP and disposal areas, they are responsible for discharge of wastes that resulted in the presence of trichloroethylene (TCE) in groundwater down-gradient of the WWTP and disposal areas.” In part, the draft CAO requires the parties to “supply uninterrupted replacement water service...to all residences south of Riverside Drive that are served by private domestic wells at which TCE has been detected at concentrations at or exceeding 5 µg/L...” and to report this information to the RWQCB. In addition, the parties are to “prepare and submit [a] ... feasibility study” and “prepare, submit and implement the Remedial Action Plan” to mitigate the “effects of the TCE groundwater plume.”



Upon the direction of the RWQCB, sampling at residential taps in the affected area has been conducted approximately every two years (2007-2008, 2009, 2011, 2013). Several parties recently conducted additional sampling at private water supply wells in the area of the plume, and submitted the results of this sampling to the RWQCB in October 2013. With the completion of this work, all wells in the area of the plume have been sampled at least once. Alternative water systems (tanks) have been installed at residences in the area where well water contains TCE at or above 80% of the MCL for TCE. Residents who declined tank system are being provided bottled water. Watermaster also routinely samples for water quality at private wells in the area, and uses data obtained from this monitoring to delineate the plume.

Optimum Basin Management Program

Program Element 6: Develop and Implement Cooperative Programs with the Regional Water Quality Control Board, Santa Ana Region (Regional Board) and Other Agencies to Improve Basin Management; and

Program Element 7: Develop and Implement a Salt Management Program (Continued)

The RWQCB has indicated that many of the potential responsible parties issued Draft CAOs will work together to prepare a remedial action feasibility study. Discussions among those parties are ongoing to resolve details about how to proceed with that work. Many of the parties are also pursuing various grant funding opportunities to develop a remediation strategy that is long term, regional, and mutually beneficial to the Chino Basin. This includes the existing applications submitted to the United States Bureau of Reclamation.

Chino Airport

The County of San Bernardino, Department of Airports is working under RWQCB CAO No. R8-2008-0064, which requires the County to define the lateral and vertical extent of the plume and prepare a remedial action plan. Beginning in 2007, Tetra Tech, the consultant to the County, conducted several off-site plume characterization studies to delineate the areal and vertical extent of the plume. Since 2003, the County has conducted quarterly monitoring events at their monitoring wells. Conclusions from this monitoring program can be found in reports posted on the RWQCB's GeoTracker website. In November 2013, Tetra Tech submitted the *Semiannual Groundwater Monitoring Report, Winter and Spring 2013, Chino Airport Groundwater Assessment, San Bernardino County, California*.

Watermaster has also collected samples from dedicated monitoring wells and private wells in and around the Chino Airport plume area. Watermaster has used its calibrated groundwater model to estimate cleanup times and contaminant concentrations in the Chino Creek Well Field (CCWF). This work will be updated, given new information about the extent of contamination, subsurface hydrogeology, well performance, and the need for habitat sustainability in the Prado Basin.

In October 2013, the RWQCB approved a work plan for Tetra Tech to conduct field work for additional characterization of contamination in soil and groundwater associated with the Chino Airport. This work plan includes cone penetrometer tests, sampling of vertical aquifer profiling borings, soil gas probe sampling, high-resolution soil sampling and analysis, the installation of long-term groundwater monitoring wells, the investigation of 20 areas of concern for soil contamination identified in the May 2013 site assessment, and an update to the conceptual site model. The County has not yet performed any groundwater remediation activities.

Other Water Quality Issues

Watermaster continues to track monitoring programs and mitigation measures associated with other point sources in the Chino Basin, including: Alumax Aluminum Recycling, the California Institution for Men, Crown Coach, GE Test Cell and Flatiron, Kaiser Steel, Milliken Landfill, Upland Landfill, and the Stringfellow National Priorities List sites.

Program Element 8: Develop and Implement a Groundwater Storage Management Program; and Program Element 9: Develop and Implement a Storage and Recovery Program

Groundwater storage is important to the Chino Basin. Watermaster has committed to investigate the technical and management implications of Local Storage Agreements, improve related policies and procedures, and then revisit all pending Local Storage Agreement applications.

The existing Watermaster/IEUA/MWDSC/Three Valley Municipal Water District (TVMWD) Dry-Year Yield (DYY) program continued during the reporting period. By April 30, 2011, all DYY program construction projects and a full "put" and "take" cycle had been completed, leaving the storage account with a zero balance. Watermaster, IEUA, TVMWD, and MWDSC continue to negotiate potential amendments to the current contract.

Optimum Basin Management Program

Program Element 8: Develop and Implement a Groundwater Storage Management Program; and Program Element 9: Develop and Implement a Storage and Recovery Program (Continued)

Safe Yield Redetermination

According to the Judgment, the Chino Basin Safe Yield is to be re-determined periodically. Pursuant to the OBMP Implementation Plan and Watermaster's Rules and Regulations, in year 2010/11 and every ten years thereafter, Watermaster is to compute the Safe Yield for the prior ten-year period and reset the Safe Yield for the next ten-year period.

The Basin's Safe Yield was initially set by the Judgment at 140,000 acre-feet per year. The number was arrived at after examination of the prior ten years of record, specifically 1965 through 1974. The Judgment provided that the Safe Yield would not be reexamined for at least ten years from 1978; the Safe Yield has not been reevaluated since the time of the Judgment. The OBMP Implementation Plan, which was ordered by the Court in the year 2000, includes the provision to recalculate and reset the Safe yield in 2010/11 using data collected in the period 2001-2010, and every ten years after.

In 2011, Watermaster authorized expenses to update the computer model of the Basin to recalculate the Safe Yield. The model calibration was completed in 2012, and evaluation of the Safe Yield began in 2013. The results of the effort were presented during a workshop in July 2013. Watermaster also held a second workshop in August 2013, a third workshop in December 2013, and various other meetings during this reporting period. The effort is ongoing.

Optimum Basin Management Program

Staff Status Report 2014-1: January to June 2014



CHINO BASIN WATERMASTER

Optimum Basin Management Program

Highlighted Activities

- In December 2013, Watermaster and Inland Empire Utilities Agency (IEUA) submitted an updated Maximum Benefit Monitoring Program Work Plan and Proposed Schedule for Achieving Hydraulic Control to the Regional Board. The new Maximum Benefit Monitoring Program Work Plan was adopted by the Regional Water Quality Control Board (RWQCB) in April 2014.
- In January 2014, the RWQCB confirmed that the model results indicated that Hydraulic Control would be achieved under the projected range of the Chino Creek Well Field pumping. At the RWQCB's request, IEUA and Watermaster submitted a plan and schedule to increase desalter production capacity from 32,000 to 40,000 acre-feet per year to the RWQCB on May 30, 2014. The plan included the installation of three new wells—one well location being provisional. In June 2014, the RWQCB accepted the plan, and requested that the final well locations be submitted to the RWQCB by September 30, 2014.
- As a requirement of Mitigation Measure 4.4-3 from the Peace II Subsequent Environmental Impact Report, Watermaster, IEUA and Orange County Water District (OCWD) continued to develop a Prado Basin Habitat Sustainability Program. Included within this program will be the Prado Basin Habitat Sustainability Adaptive Management Plan, the installation of up to 17 monitoring wells at nine separate sites, and vegetative monitoring. During this reporting period, property acquisition and permitting continued.
- Watermaster and IEUA continued work on the Turner Basins/Guasti Park Recharge Expansion Project in MZ-2. The expansion project is projected to recharge an additional 300 acre-feet of storm runoff annually. Also, infiltration testing for the Wineville Proof-of-Concept project was completed in November 2013. The Final Report on the project was published in April 2014, and it stated that the basin showed potential for recharge. Additionally, Watermaster and IEUA continued to develop a series of projects outside of the 2013 Amendment to the 2010 Recharge Master Plan Update (2013 RMPUA) effort that will increase stormwater and supplemental water recharge reliability, and have jointly agreed to fund these projects. Watermaster and IEUA are in the process of finalizing agreements for the joint projects. Watermaster and IEUA continued to hold monthly Joint Recharge Improvement Projects Committee meetings for the purpose of providing regular project status updates to the Parties.
- During the reporting period, approximately 2,931 acre-feet of stormwater, 6,216 acre-feet of recycled water, and 795 acre-feet of imported water were recharged.
- Watermaster and IEUA began to implement the 2013 RMPUA. During the reporting period, Watermaster and IEUA began the process of developing agreements to construct the storm and supplemental water recharge projects listed in Table 8-2c of the 2013 RMPUA report, prioritizing the construction of these projects relative to the availability of grant funding, and planning subsequent implementation. Implementation of the Lower Day project began, on an accelerated timeline ahead of the other 2013 RMPUA projects because it received a \$750,000 Proposition 84 grant. Implementation of the San Sevaine project continued, also on an accelerated timeline due to its \$750,000 grant. The Recharge Master Plan Update Steering Committee now meets quarterly on the progress of implementing the 2013 RMPUA Projects. Section 5 of the RMPUA report was approved by the Court on April 25, 2014.

Important Court Hearings and Orders

- APRIL 25, 2014-
NOTICE OF RULINGS
AND NOTICE OF
HEARING; ORDER
APPROVING SECTION
5 OF WATERMASTER'S
2013 AMENDMENT
TO 2010 RECHARGE
MASTER PLAN UPDATE

Optimum Basin Management Program

Program Element 1: Develop and Implement a Comprehensive Monitoring Program

Groundwater Level Monitoring

Watermaster initiated a basin-wide groundwater-level monitoring program as part of the implementation of the OBMP. The monitoring program has been refined over time to satisfy the evolving needs of Watermaster and IEUA, such as new regulatory requirements, and to increase efficiency. The groundwater-level monitoring program supports many Watermaster functions, such as the periodic reassessment of Safe Yield, the monitoring and management of land subsidence, the assessment of Hydraulic Control, the analysis of desalter pumping impacts at private wells, and the triennial re-computation of ambient water quality that is mandated by the Water Quality Control Plan for the Santa Ana Basin. The data are also used to update and re-calibrate Watermaster's computer-simulation groundwater-flow model, to understand directions of groundwater flow, to compute storage changes, to interpret water quality data, and to identify areas of the Basin where recharge and discharge are not in balance.

The current groundwater-level monitoring program is comprised of about 1,000 wells. At about 800 of these wells, water levels are measured by well owners, which include municipal water agencies, the California Department of Toxic Substances Control (DTSC), the Counties, and various private consulting firms. Watermaster collects these water level data at least semi-annually. At the remaining 200 wells, water levels are measured by Watermaster staff using manual methods once per month or by using pressure transducers that record data once every 15 minutes. These wells are mainly Agricultural Pool wells located south of the 60 freeway.

Groundwater Quality Monitoring

Watermaster initiated a comprehensive groundwater-quality monitoring program as part of the implementation of the OBMP. The groundwater-quality monitoring program consists of the following four components:

1. An Annual Key-Well Water-Quality Monitoring Program consisting of 111 wells, which are mostly privately-owned agricultural wells in the southern portion of Chino Basin that are otherwise not included in an established sampling program. Twenty of these wells are sampled every year, and the remaining wells are sampled once every three years. The wells sampled annually are for the continuous monitoring of areas of concern associated with the southern edge of the Archibald South (formerly OIA) volatile organic compound (VOC) plume, the southern region of the Chino Airport Plume, and the Kaiser Steel Plume, and includes two multi-port MZ-3 monitoring wells.
2. Annual sampling at nine HCMP multi-port monitoring wells strategically placed between the Chino Desalter well fields and the Santa Ana River. Results of the annual sampling are used to analyze the effect of desalter pumping over time on Hydraulic Control, by comparing water quality of the native groundwater and the Santa Ana River.
3. Quarterly sampling at four near-river wells to characterize the interaction between the Santa Ana River and nearby groundwater. These shallow monitoring wells along the Santa Ana River consist of two former USGS National Water Quality Assessment Program (NAWQA) wells (Archibald 1 and Archibald 2), and two wells owned by the Santa Ana River Water Company (Well 9 and Well 11).
4. A cooperative basin-wide data-collection effort known as the Chino Basin Data Collection (CBDC) program, which relies on municipal producers and other government agencies to supply groundwater-quality data on a cooperative basis. These sources include the Appropriators, DTSC, RWQCB, US Geological Survey (USGS), the Counties, and other cooperators.



Santa Ana River

All groundwater-quality data are checked by Watermaster staff and uploaded to a centralized database management system that can be accessed online through HydroDaVESM. Groundwater-quality data are used by Watermaster for: the biennial State of the Basin report; the triennial ambient water quality update mandated by the Basin Plan; and the demonstration of Hydraulic Control—a maximum benefit commitment in the Basin Plan. Data are also used for monitoring nonpoint source groundwater contamination and plumes associated with point source discharges and to assess the overall health of the groundwater basin. Groundwater-quality data are also used in conjunction with numerical models to assist Watermaster and other parties in evaluating proposed groundwater remediation strategies.

Optimum Basin Management Program

Program Element 1: Develop and Implement a Comprehensive Monitoring Program (Continued)

Groundwater Production Monitoring

All active wells (except for minimum user wells) are now metered. Watermaster reads the agricultural production data from the meters on a quarterly basis and enters these data into Watermaster's relational database. Minimum user well production is estimated annually by Watermaster, and entered into the database.

Surface Water Monitoring

Water Quality and Quantity in Recharge Basins. Watermaster and IEUA measure the quantity of storm and supplemental water that enters into recharge basins. Pressure transducers or staff gauges are used to measure water levels during recharge operations. In addition to these quantity measurements, imported water quality data for State Water Project water are obtained from the Metropolitan Water District of Southern California (MWDSC) and recycled water quality data for the RP-1 and RP-4 treatment plant effluents are obtained from IEUA. Combining the measured flow data with the respective water qualities enables the calculation of the blended water quality in each recharge basin, the New Yield to the Chino Basin, and the adequate dilution of recycled water.

Surface Water Monitoring in the Santa Ana River. Watermaster measures selected water quality parameters quarterly at two sites along the Santa Ana River (Santa Ana River at River Road and Santa Ana River at Etiwanda). Along with data collected at four near-river wells, these data are used to characterize the interaction between the Santa Ana River and nearby groundwater. These data are also combined with discharge data from permanent USGS stream gauges, discharge data from publicly owned treatment works (POTWs), and groundwater modeling to assess the state of Hydraulic Control.

Hydraulic Control

In January 2004, the RWQCB amended the Water Quality Control Plan (Basin Plan) for the Santa Ana River Basin to incorporate an updated total dissolved solids (TDS) and nitrogen (N) management plan. The Basin Plan Amendment includes both "antidegradation" and "maximum benefit" objectives for TDS and nitrate-nitrogen for the Chino-North and Cucamonga groundwater management zones. The application of the "maximum benefit" objectives relies on Watermaster and IEUA's implementation of a specific program of projects and requirements, which are an integral part of the OBMP. On April 15, 2005, the RWQCB adopted resolution R8-2005-0064, thus approving the Surface Water Monitoring Program and Groundwater Monitoring Program in support of maximum benefit commitments in the Chino-North and Cucamonga Basins.

One of the main maximum-benefit commitments is to achieve and maintain "hydraulic control" of the Chino Basin so that downstream beneficial uses of the Santa Ana River are protected. Hydraulic Control is defined by the Basin Plan as the elimination of groundwater discharge from the Chino-North Management Zone to the Santa Ana River or its reduction to a *de minimus* level. In October 2011, the RWQCB indicated that groundwater discharge in an amount less than 1,000 acre-feet per year would be considered *de minimus* by the RWQCB.

In 2012, the Basin Plan was amended to remove all references to the specific monitoring locations and sampling frequencies required for groundwater and surface water monitoring, thus allowing the program to be modified over time, with approval of the Executive Officer of the RWQCB. The Basin Plan amendment was approved by the RWQCB on February 12, 2012 and by the State Office of Administrative Law on December 6, 2012. This amendment was adopted based on demonstrations made by Watermaster and the IEUA showing that the surface water monitoring program, as included in the Basin Plan, was not meaningfully adding to the body of evidence required to demonstrate Hydraulic Control. In the place of specific monitoring requirements, the Basin Plan Amendment required that Watermaster and IEUA submit for approval by the Executive Officer a new surface water monitoring program work plan by February 25, 2012 and a new groundwater monitoring program work plan by December 31, 2013. In February 2012, Watermaster and the IEUA submitted, and the RWQCB approved, a new surface water monitoring program that reduced the 2004 monitoring program from bi-weekly water quality measurements at 17 sites and direct discharge measurements at six sites, to quarterly water quality sampling at two sites. The new work plan including these changes was adopted by the RWQCB in March 2012.

In December 2013, Watermaster and IEUA submitted an updated Maximum Benefit Monitoring Program Work Plan and Proposed Schedule for Achieving Hydraulic Control to the RWQCB. The updated Work Plan states that Watermaster and IEUA will recalibrate the Chino Basin groundwater model every five years and use the model to estimate groundwater discharge from Chino-North to the Santa Ana River (i.e. annual underflow past the Chino Creek Well Field [CCWF]) and determine whether Hydraulic Control has been achieved. The new Maximum Benefit Monitoring Program Work Plan was adopted by the RWQCB in April 2014.

Optimum Basin Management Program

Program Element 1: Develop and Implement a Comprehensive Monitoring Program (Continued)

In January 2014, in a letter to IEUA and Watermaster, the RWQCB confirmed that the model results indicated that Hydraulic Control would be achieved under the projected range of Chino Creek Well Field pumping. The RWQCB also requested that IEUA and Watermaster submit a plan and schedule to increase desalter production capacity from 32,000 to 40,000 acre-feet per year by May 31, 2014. IEUA and Watermaster submitted the plan and schedule to the RWQCB on May 30, 2014 to install three new wells—one well location being provisional. In June 2014, the RWQCB accepted the plan, and requested that the final well locations be submitted to the RWQCB by September 30, 2014.

During this reporting period, Watermaster measured 455 manual water levels at 79 private wells throughout the Chino Basin, conducted downloads at 100 wells containing pressure transducers, and collected eight groundwater-quality samples and four surface-water quality samples.

Prado Basin Habitat Sustainability Program

A requirement of Mitigation Measure 4.4-3 from the Peace II Subsequent EIR is for Watermaster, IEUA and Orange County Water District (OCWD) to develop an Adaptive Management Plan for the Prado Basin Habitat Sustainability Program (PBHSP). The objective of this plan is to ensure that the riparian habitat in Prado Basin is not adversely impacted by drawdown associated with the implementation of the Peace II activities. Seventeen monitoring wells at nine sites will be constructed as part of the monitoring program for the PBHSP. During this reporting period, the PBHSP Committee continued property acquisition and permitting.

Chino Basin Groundwater Recharge Program

Watermaster, IEUA, the Chino Basin Water Conservation District (CBWCD), and the San Bernardino County Flood Control District (SBCFCD) jointly sponsor the Chino Basin Groundwater Recharge Program. This is a comprehensive water supply program to enhance water supply reliability and improve the groundwater quality in local drinking water wells throughout the Chino Basin by increasing the recharge of storm water, imported water, and recycled water. The recharge program is regulated under RWQCB Order No. R8-2007-0039 and Monitoring and Reporting Program No. R8-2007-0039.

Recharge Activities. Ongoing recycled water recharge occurred in the Brooks, 7th Street, 8th Street, Turner, Victoria, San Sevaine, Ely, Hickory, RP-3, and Banana Basins this reporting period. Also during this reporting period, stormwater was recharged at 17 recharge basins across all management zones of the Chino Basin and six recharge basins received imported water.

Monitoring Activities. Watermaster and IEUA collect weekly water quality samples from recharge basins that are actively recharging recycled water and from lysimeters installed within those recharge basins. During this reporting period, approximately 466 recharge basin and lysimeter samples were collected and 26 recycled water samples were collected for alternative monitoring plans that include the application of a correction factor for soil-aquifer treatment determined from each recharge basin's start-up period. Monitoring wells located down-gradient of the recharge basins were sampled quarterly at a minimum; however, some monitoring wells were sampled more frequently during the reporting period for a total of 106 samples.

Reporting. Watermaster and IEUA completed the following required reports concerning the recharge program during the reporting period:

- 4Q-2013 Quarterly Report, submitted to the RWQCB – February 2014
- 1Q-2014 Quarterly Report, submitted to the RWQCB – May 2014
- 2013 Annual Report, submitted to the RWQCB – May 2014



CB-20 Turnout

Optimum Basin Management Program

Program Element 1: Develop and Implement a Comprehensive Monitoring Program (Continued)

Land Surface Monitoring

In response to the occurrence of land subsidence in the City of Chino, the Watermaster prepared and submitted the MZ-1 Subsidence Management (MZ-1 Plan) to the Court for approval and, in November 2007, the Court ordered its implementation (see Program Element 4: Develop and Implement a Comprehensive Groundwater Management Plan for Management Zone 1). The MZ-1 Plan calls for several monitoring and mitigation measures to minimize or abate the future occurrence of land subsidence and ground fissuring in the western Chino Basin. These measures and activities include:

- Continuing the scope and frequency of monitoring within the so-called Managed Area (southwest MZ-1) that was conducted during the period when the MZ-1 Plan was being developed.
- Expanding the monitoring of the aquifer system and land subsidence into other areas of MZ-1 and Chino Basin where the data indicate concern for future subsidence and ground fissuring.
- Monitoring of horizontal strain across the historical zone of ground fissuring.
- Evaluating the potential contribution of groundwater production in northern MZ-1 on conditions in southern MZ-1.
- Conducting additional testing and monitoring to refine the MZ-1 Guidance Criteria.
- Developing alternative pumping plans for the MZ-1 producers that are impacted by the MZ-1 Plan.
- Constructing and testing a lower-cost cable extensometer facility at Ayala Park.
- Evaluating and comparing ground-level surveying and Interferometric Synthetic Aperture Radar (InSAR), and recommending future monitoring protocols for both techniques.
- Conducting an ASR (aquifer storage recovery) feasibility study at a City of Chino Hills production well within the MZ-1 Managed Area (Well 16).
- Providing for recovery of groundwater levels in the MZ-1 Managed Area.

During the reporting period, Watermaster undertook the following activities called for in the MZ-1 Plan:

- The continuation of detailed water-level monitoring at wells within the Managed Area and across much of the western portion of Chino Basin. All monitoring equipment is inspected at least quarterly and is repaired and/or replaced as necessary. The data collected were checked and analyzed to assess the functionality of the monitoring equipment and for compliance with MZ-1 Plan.
- The continuation of monitoring and maintenance at the extensometer facilities including: Ayala Park, Chino Creek, and Daniels sites.
- The collection of InSAR data from radar satellites during the reporting period, which will be analyzed for ground motion in early 2015.
- Assisted the City of Chino Hills in required quarterly reporting for its DWR grant to support the ASR pilot test.

Program Element 2: Develop and Implement a Comprehensive Recharge Program

The average stormwater recharge of the Chino Basin Facilities Improvement Program (CBFIP) facilities is approximately 13,000 acre-feet per year, the supplemental "wet"¹ water recharge capacity is approximately 60,600 acre-feet per year, and the in lieu supplemental water recharge capacity ranges from 25,000 to 40,000 acre-feet per year. There is also a demonstrated well injection capacity of 5,600 acre-feet per year. Current total supplemental water recharge capacity ranges from 91,200 to 106,200 acre-feet per year, which is greater than projected supplemental water recharge capacity required of Watermaster.

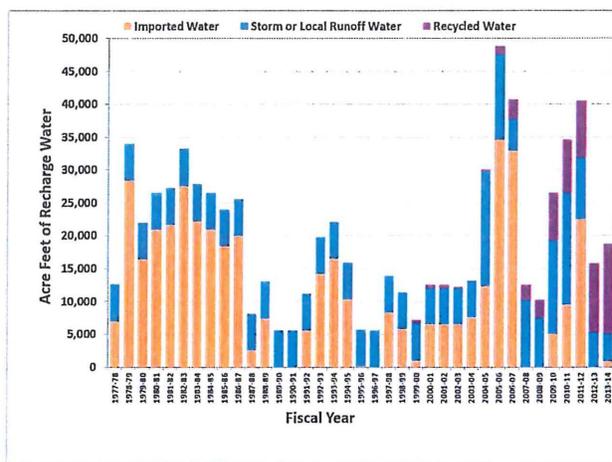
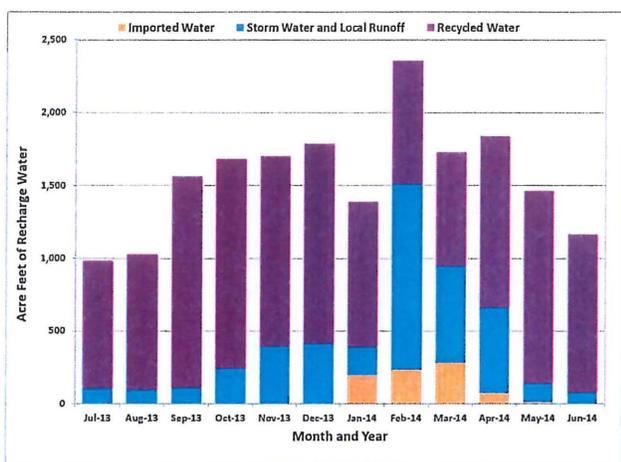
¹The modifier "wet" means actual physical water is being recharged in spreading basins as opposed to the dedication of water from storage or in-lieu recharge.

Optimum Basin Management Program

Program Element 2: Develop and Implement a Comprehensive Recharge Program (Continued)

Stormwater recharge during this reporting period was approximately 2,931 acre-feet. Recycled water recharge during this reporting period was approximately 6,216 acre-feet. Approximately 795 acre-feet of imported water was recharged during this reporting period. The IEUA and Watermaster recharge permit was amended in fiscal year 2009/10 to allow for underflow dilution and extend the dilution period from a running 60 months to a running 120 months. The significance of this permit amendment was to reduce the amount of imported and storm waters required for dilution. IEUA projects that dilution requirements will likely be met through 2019/20, even if no imported water were available for dilution.

The total amount of supplemental water recharged in MZ-1 since the Peace II Agreement through June 30, 2014 was approximately 44,446 acre-feet, which is slightly less than the 45,500 acre-feet required by June 30, 2014 (annual requirement of 6,500 acre-feet): the shortfall of 1,054 acre-feet will be carried-over and recharged in MZ-1 in a future year. The amount of supplemental water recharged into MZ-1 during the reporting period was approximately 819 acre-feet.



The Groundwater Recharge Coordinating Committee (GRCC) met once during this reporting period, in March 2014. Recharge basin operations and maintenance are discussed during these meetings.

Watermaster and IEUA continued work on the Turner Basins/Guasti Park Recharge Expansion Project in MZ-2. Following completion, anticipated in 2014, the expansion project is projected to recharge an additional 300 acre-feet of storm runoff annually. Infiltration testing for the Wineville Proof-of-Concept project was completed in November 2013. The Final Report on the project was published in April 2014, and it stated that the basin showed potential for recharge.

During the reporting period, Watermaster and IEUA continued to develop a series of projects outside of the 2013 Amendment to the 2010 Recharge Master Plan Update (2013 RMPUA) effort that will increase stormwater and supplemental water recharge reliability and have jointly agreed to fund these projects. Watermaster's share of the cost of these projects was included in the budget adopted by Watermaster for fiscal year 2013/14. Watermaster and IEUA are in the process of finalizing agreements for the joint projects. Watermaster and IEUA continued to hold monthly Joint Recharge Improvement Projects Committee meetings for the purpose of providing regular project status updates to the Parties.

Pursuant to the October 2013 Court Order authorizing Watermaster and IEUA to implement the 2013 RMPUA, Watermaster and IEUA have begun implementation. During the reporting period, Watermaster and IEUA began the process of developing agreements to construct the storm and supplemental water recharge projects listed in Table 8-2c of the 2013 RMPUA report, prioritizing the construction of these projects relative to the availability of grant funding, and planning subsequent implementation. Implementation of the Lower Day project began, on an accelerated timeline ahead of the other 2013 RMPUA projects because it received a \$750,000 Proposition 84 grant. Implementation of the San Sevaine project continued, also on an accelerated timeline due to its \$750,000 grant. The Recharge Master Plan Update Steering Committee (Steering Committee) now meets quarterly on the progress of implementing the 2013 RMPUA Projects. Section 5 of the RMPUA report was approved by the Court on April 25, 2014.

Optimum Basin Management Program

Program Element 3: Develop and Implement Water Supply Plan for the Impaired Areas of the Basin; and

Program Element 5: Develop and Implement Regional Supplemental Water Program

Construction of the Chino I Desalter Expansion and the Chino II Desalter facilities was completed in February 2006. As currently configured, the Chino I Desalter provides 2.6 million gallons per day (MGD) of treated (air stripping for VOC removal) water from Well Nos. 1-4, 4.9 MGD of treated (ion exchange for nitrate removal) water from Well Nos. 5-15, and 6.7 MGD of treated (reverse osmosis for nitrate and TDS removal) water from Well Nos. 5-15 for a total of 14.2 MGD (15,900 acre-feet per year). The Chino II Desalter provides 4.0 MGD of ion exchange treated water and 6.0 MGD of reverse osmosis treated water from eight additional wells for a total of 10.0 MGD (11,200 acre-feet per year).

Planning continued between the Chino Desalter Authority (CDA) and Western Municipal Water District (WMWD) to expand the Chino II Desalter by 10.5 MGD (11,800 acre-feet per year). To date, more than \$70 million in grant funds have been secured toward this expansion project. Raw water will be drawn from existing CDA II wells, and possible additional new wells, if needed. In addition, a new Chino Creek Desalter Well Field, required for the Hydraulic Control commitment associated with Maximum Benefit, will provide additional raw water to the Chino I Desalter, enabling some existing wells to direct production to the expanded Chino II Desalter facility. Watermaster and the CDA demonstrated continued progress on the project schedule RWQCB approved by the RWQCB in June 2010. The final completion date of the expansion project is anticipated to be August 2016. However, efforts to support Hydraulic Control can begin upon completion of the Chino Creek Well Field and associated raw water pipeline. Construction of the raw water pipeline of Wells I-16, I-17 and I-18 is complete. The CDA received its modification of the Chino I wellfield operating permit from the California Department of Public Health for Wells I-16 and I-17. Well I-18 is not currently planned to be placed into operation due to high VOC concentrations. A nine-month pilot test for a treatment system for removal of TCE, TCP and nitrate is planned. Equipping designs of Wells I-20 and I-21 are complete, and the well equipping construction is planned for late 2014. Three additional wells are planned outside of the Chino Creek Well Field, which are necessary to meet the requirement for the CDA to produce 40,000 acre-feet of groundwater per year. A draft well siting study was submitted in January 2014. Property acquisition for these three sites is in progress.

Program Element 4: Develop and Implement a Comprehensive Groundwater Management Plan for Management Zone 1

MZ-1 Management Plan

Because of the historical occurrence of pumping-induced land subsidence and ground fissuring in southwestern Chino Basin (southern MZ-1), the OBMP called for the development and implementation of an Interim Management Plan (IMP) for MZ-1 that would:

- Minimize subsidence and fissuring in the short-term,
- Collect information necessary to understand the extent, rate, and mechanisms of subsidence and fissuring, and
- Formulate a management plan to reduce to tolerable levels or abate future subsidence and fissuring.

From 2001-2005, Watermaster developed, coordinated, and conducted an Interim Monitoring Program (IMP) under the guidance of the MZ-1 Technical Committee. The investigation provided enough information for Watermaster to develop Guidance Criteria for the MZ-1 producers in the investigation area that, if followed, would minimize the potential for subsidence and fissuring during the completion of the MZ-1 Plan. The Guidance Criteria included a listing of Managed Wells and their owners subject to the criteria, a map of the so-called Managed Area, and an initial threshold water level (Guidance Level) of 245 feet below the top of the PA-7 well casing. The MZ-1 Summary Report and the Guidance Criteria were adopted by the Watermaster Board in May 2006. The Guidance Criteria formed the basis for the MZ-1 Plan, which was approved by Watermaster in October 2007. The Court approved the MZ-1 Plan in November 2007 and ordered its implementation.

During this reporting period, Watermaster continued implementation of the MZ-1 Plan. Drawdown at the PA-7 piezometer stayed above the Guidance Level during the reporting period, and very little, if any, permanent compaction was recorded at the Ayala Park Extensometer. The ongoing monitoring program called for by the MZ-1 Plan continues to be implemented.

Optimum Basin Management Program

Program Element 4: Develop and Implement a Comprehensive Groundwater Management Plan for Management Zone 1 (Continued)

The Land Subsidence Committee (LSC) met in March and June 2014. Watermaster staff and consultants provided an update on the ongoing monitoring and testing program in the Areas of Subsidence Concern, and on the ASR pilot test at Chino Hills Well 16. Watermaster consultants reviewed the draft scope and budget for the Land Subsidence Monitoring Program for fiscal year 2014/15 and the draft 2013 Annual Report of the Land Subsidence Committee. Watermaster staff recommended that the MZ-1 Subsidence Management Plan be updated.

Program Element 6: Develop and Implement Cooperative Programs with the Regional Water Quality Control Board, Santa Ana Region (Regional Board) and Other Agencies to Improve Basin Management; and

Program Element 7: Develop and Implement a Salt Management Program

Archibald South Plume

In July 2005, the RWQCB prepared draft Cleanup and Abatement Orders (CAOs) for six parties who were tenants on the Ontario International Airport (OIA) with regard to the Archibald South (trichloroethene [TCE]) Plume. The draft CAOs required the parties to “submit a work plan and time schedule to further define the lateral and vertical extent of the TCE and related VOCs that are discharging, have been discharged, or threaten to be discharged from the site” and to “submit a detailed remedial action plan, including an implementation schedule, to cleanup or abate the effects of the TCE and related VOCs.” Four of the parties (Aerojet, Boeing, General Electric [GE], and Lockheed Martin) voluntarily formed a group (known as ABGL) to work jointly on a remedial investigation. Northrop Grumman declined to participate in the group. The US Air Force, in cooperation with the US Army Corps of Engineers, funded the installation of one of the four clusters of monitoring wells installed by ABGL.



Groundwater Quality Sampling

In 2012, the RWQCB issued a draft CAO to the City of Ontario, the City of Upland, and IEUA concerning the former Ontario-Upland Sewage Treatment Plant (Regional Recycling Plant No. 1), located in the City of Ontario. The draft CAO states that these parties are “responsible parties subject to this Order because, as the former and current owners and operators of the WWTP and disposal areas, they are responsible for discharge of wastes that resulted in the presence of trichloroethylene (TCE) in groundwater down-gradient of the WWTP and disposal areas.” In part, the draft CAO requires the parties to “supply uninterrupted replacement water service...to all residences south of Riverside Drive that are served by private domestic wells at which TCE has been detected at concentrations at or exceeding 5 µg/L...” and to report this information to the RWQCB. In addition, the parties are to “prepare and submit [a] ...feasibility study” and “prepare, submit and implement the Remedial Action Plan” to mitigate the “effects of the TCE groundwater plume.”

Upon the direction of the RWQCB, sampling at residential taps in the affected area has been conducted approximately every two years (2007-2008, 2009, 2011, 2013-2014). Several parties recently conducted additional sampling at private water supply wells in the area of the plume, and submitted the results of this sampling to the RWQCB in October 2013 and May 2014. With the completion of this work, all wells in the area of the plume have been sampled at least once. Alternative water systems (tanks) have been installed at residences in the area where well water contains TCE at or above 80% of the MCL for TCE. Residents who declined tank system are being provided bottled water. Watermaster also routinely samples for water quality at private wells in the area, and uses data obtained from this monitoring to delineate the plume.

Optimum Basin Management Program

Program Element 6: Develop and Implement Cooperative Programs with the Regional Water Quality Control Board, Santa Ana Region (Regional Board) and Other Agencies to Improve Basin Management; and

Program Element 7: Develop and Implement a Salt Management Program (Continued)

The RWQCB has indicated that many of the potential responsible parties issued Draft CAOs will work together to prepare a remedial action feasibility study. Discussions among those parties are ongoing to resolve details about how to proceed with that work. Many of the parties are also pursuing various grant funding opportunities to develop a remediation strategy that is long-term, regional, and mutually beneficial to the Chino Basin. This includes the existing applications submitted to the United States Bureau of Reclamation.

Chino Airport

The County of San Bernardino, Department of Airports is working under RWQCB CAO No. R8-2008-0064, which requires the County to define the lateral and vertical extent of the plume and prepare a remedial action plan. Beginning in 2007, Tetra Tech, the consultant to the County, conducted several off-site plume characterization studies to delineate the areal and vertical extent of the plume. Since 2003, the County has conducted quarterly monitoring events at their monitoring wells. Conclusions from this monitoring program can be found in reports posted on the RWQCB's GeoTracker website. In March 2014, Tetra Tech submitted the *Semiannual Groundwater Monitoring Report, Summer and Fall 2013, Chino Airport Groundwater Assessment, San Bernardino County, California*.

Watermaster has also collected samples from dedicated monitoring wells and private wells in and around the Chino Airport plume area. Watermaster has also used its calibrated groundwater model to estimate cleanup times and contaminant concentrations in the Chino Creek Well Field. This work will be updated, given new information about the extent of contamination, subsurface hydrogeology, well performance, and the need for habitat sustainability in the Prado Basin.

In October 2013, the RWQCB approved a work plan for Tetra Tech to conduct field work for additional characterization of contamination in soil and groundwater associated with the Chino Airport. In April 2014, the County and Tetra Tech submitted a Mid-Year Project Status Report describing the progress in implementing the work plan, which has included the completion of cone penetrometer tests and the sampling of vertical aquifer profiling borings. The remainder of the work described in the work plan, which includes the installation of long-term groundwater monitoring wells, the investigation of 20 areas of concern for soil contamination, and an update to the conceptual site model, is expected to be completed by December 2014. The County has not yet performed any groundwater remediation activities.

Other Water Quality Issues

Watermaster continues to track monitoring programs and mitigation measures associated with other point sources in the Chino Basin, including: Alumax Aluminum Recycling, the California Institution for Men, Crown Coach, GE Test Cell and Flatiron, Kaiser Steel, Milliken Landfill, Upland Landfill, and the Stringfellow National Priorities List sites.

Program Element 8: Develop and Implement a Groundwater Storage Management Program; and Program Element 9: Develop and Implement a Storage and Recovery Program

Groundwater storage is important to the Chino Basin. Watermaster has committed to investigate the technical and management implications of Local Storage Agreements, improve related policies and procedures, and then revisit all pending Local Storage Agreement applications.

The existing Watermaster/IEUA/MWDSC/Three Valley Municipal Water District (TVMWD) Dry-Year Yield (DYY) program continued during the reporting period. By April 30, 2011, all DYY program construction projects and a full "put" and "take" cycle had been completed, leaving the storage account with a zero balance. Watermaster, IEUA, TVMWD, and MWDSC continue to negotiate potential amendments to the current contract.

Optimum Basin Management Program

Program Element 8: Develop and Implement a Groundwater Storage Management Program; and Program Element 9: Develop and Implement a Storage and Recovery Program (Continued)

Safe Yield Redetermination

According to the Judgment, the Chino Basin Safe Yield is to be re-determined periodically. Pursuant to the OBMP Implementation Plan and Watermaster's Rules and Regulations, in year 2010/11 and every ten years thereafter, Watermaster is to compute the Safe Yield for the prior ten-year period and reset the Safe Yield for the next ten-year period.

The Basin's Safe Yield was initially set by the Judgment at 140,000 acre feet per year. The number was arrived at after examination of the prior ten years of record, specifically 1965 through 1974. The Judgment provided that the Safe Yield would not be reexamined for at least ten years from 1978; the Safe Yield has not been reevaluated since the time of the Judgment. The OBMP Implementation Plan, which was ordered by the Court in the year 2000, includes the provision to recalculate and reset the Safe yield in 2010/11 using data collected in the period 2001-2010, and every ten years after.

In 2011, Watermaster authorized expenses to update the computer model of the Basin to recalculate the Safe Yield. The model calibration was completed in 2012, and evaluation of the Safe Yield began in 2013. The effort continues. During this reporting period, a fourth workshop was held in January 2014. There were also two technical group meetings, in January and March 2014, in which Watermaster's modelers were made available to meet with the Parties' experts in order to better understand the model. Following the workshops, the Appropriative Pool sent a letter to Watermaster in April 2014 which stated that the model is sound, and in the letter, the Pool also provided some recommendations for moving forward. Also, Watermaster filed a status report with the Court in April 2014, updating the Court on the process.



CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: March 10, 2016
TO: Pool Committee Members
SUBJECT: East Declez Basin

SUMMARY

Issue: Decision on funding the East Declez project.

Recommendation: The pools have three options: (1) Cancel the purchase of the property; (2) Delay the decision on property acquisition to allow for additional analyses and possible field work; or (3) Proceed with the purchase of the property through IEUA.

Financial Impact: There is no impact to the FY 2015/16 fiscal year. The financial impact for future years would vary upon the decision made. If the purchase is canceled (option #1), Task Order #1 (2013 Amendment Yield Enhancement Projects - Planning, Permitting and Design) would be amended from \$7.5 Million to \$3.8 Million. If the decision is delayed (option #2), approval for additional funding of at least \$60,000 is necessary to hold the property and conduct research. If the property is purchased (option #3), repayment on an annual basis to IEUA would occur in future years through the Watermaster's Recharge Improvement Debt account starting in Fiscal Year 2016/17. The cost of the property is listed at \$3,000,500.

Future Consideration

Appropriative Pool: March 10, 2016; Review and recommend
Non-Agricultural Pool: March 10, 2016; Review and recommend
Agricultural Pool: March 10, 2016; Review and recommend
Advisory Committee: March 17, 2016; Approval
Watermaster Board: March 24, 2016; Approval (Advisory Committee Approval required)

ACTIONS:

March 10, 2016 – Appropriative Pool –
March 10, 2016 – Non-Agricultural Pool –
March 10, 2016 – Agricultural Pool –
March 17, 2016 – Advisory Committee –
March 24, 2016 – Watermaster Board –

BACKGROUND

The East Declez site was originally identified by the Jurupa Community Services District (JCSD) as part of an initial due diligence program in consideration of purchasing the property. JCSD drilled two boreholes and had three infiltration test pits. The results appeared favorable, so in 2014 it was brought to the Joint Projects Committee at Chino Basin Watermaster.

The scope of the project proposed to expand the Declez Recharge facility with an added individual basin. It also included some upstream improvements to divert and convey additional storm water to the new basin. The original concept of the basin would increase storm water recharge by 913 acre-feet per year. At the March 26, 2015 Watermaster Board meeting, the soft costs of the projects were approved with the condition that only funds of approximately \$114,000 be made available to complete a feasibility study. The results of that study would be provided to Watermaster parties for discussion before any further development takes place with the project.

Task Order 1 (2013 RMPU Amendment Yield Enhancement Projects - Planning, Permitting and Design) was amended on April 1, 2015 to reflect the added costs of the project. (Attachments 1 and 2). The purpose of Task Order No. 1 is to govern the planning, permitting and design of the Yield Enhancement Projects recommended in the 2013 Amendment to the 2010 Recharge Master Plan Update. It also governs the cost allocation among Watermaster and Inland Empire Utilities Agency for those projects. The management and cost allocation for the construction, and construction management for the Yield Enhancement projects, will be done by separate Task Order.

In November 2015, IEUA opened escrow with the property owners with a \$50,000 deposit. While the deposit is fully refundable until May 17, 2016, to hold the property in escrow in June and July, \$25,000 would be taken from the deposit per month. A decision in April 2016 would be necessary to avoid losing funds from the deposit.

DISCUSSION

In February 2016, the feasibility study, "Subsurface Investigation-East Declez Basin Site" prepared by Thomas Harder and Co. was made available for review and presented at the February 18, 2016 RIPCom meeting (Attachment 3). Based on the findings of the report, a new basin concept was developed which would expand Cell 1 of the existing Declez Basin, graded at the same bottom elevation, which would add an additional 150 acre-feet of storage. Assuming that no recharge would take place in the area of the expanded basin, the new net recharge was calculated to be an additional 414 acre-feet per year with a unit cost of \$2,420 per acre-foot. If the expanded portion of the basin were to percolate at a rate similar to the existing Cell 1 of Declez Basin, a yield of 601 acre-feet of storm water at a cost of \$1,678 per year is possible.

In order to determine the rate of potential recharge (from a range of 0 to 0.6 feet per day), Thomas Harder and IEUA recommended drilling an additional two boreholes to provide subsurface data that could be used to condition the recharge estimates provided in the study. The additional work would cost \$35,000 for the drilling and reporting and an additional \$25,000 to extend the hold on the property per the agreement with the landowners in order to complete the study.

In light of the expiring deposit on the land, IEUA is seeking direction from Watermaster as how to proceed. The given options are:

1. Cancel the purchase of the property;
2. Delay the decision and approve additional funds for the deposit and analysis to the site; or
3. Proceed with the purchase of the property through IEUA.

The financial impact for future years would vary upon the decision made. If the purchase is canceled, the estimated soft costs of the project would be eliminated and Task Order #1 (2013 Amendment Yield Enhancement Projects - Planning, Permitting and Design) would be amended from \$7.5 Million to \$3.8 Million. If the decision is delayed, approval for additional funding of at least \$60,000 is necessary to hold the property and conduct the research recommended by Thomas Harder. If the property is purchased, repayment on an annual basis to IEUA would occur in future years through the Watermaster's Recharge Improvement Debt account starting in Fiscal Year 2016/17. The cost of the property is listed at \$3,000,500.

ATTACHMENTS

1. Task Order No.1
2. 1st Amendment to Task Order No. 1 Yield Enhancement
3. Subsurface Investigation- East Declez Basin Site Presentation

Please access the presentation at:

[http://www.cbwm.org/FTP/Recharge%20Investigations%20and%20Projects%20Committee%20\(RIPCom\)/East%20Declez%20Investigation/20160218%20East_Declez_Feb_Presentation.pdf](http://www.cbwm.org/FTP/Recharge%20Investigations%20and%20Projects%20Committee%20(RIPCom)/East%20Declez%20Investigation/20160218%20East_Declez_Feb_Presentation.pdf)

MASTER AGREEMENT BETWEEN CHINO BASIN WATERMASTER AND INLAND EMPIRE UTILITIES AGENCY REGARDING THE MANAGEMENT OF COLLABORATIVE RECHARGE PROJECTS

TASK ORDER NO. 1

2013 RMPU AMENDMENT YIELD ENHANCEMENT PROJECTS – PLANNING, PERMITTING AND DESIGN

This Task Order is made and entered into as of the 28th day of August, 2014 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 dated July 24, 2014 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 planning, permitting and design of the Yield Enhancement Projects recommended in the 2013 Amendment to the 2010 Recharge Master Plan Update ("2013 RMPU Amendment"), and the cost allocations among Watermaster and IEUA for those Projects, pursuant to the Peace II Agreement. The management and cost allocation for construction of, and construction bidding for, the 2013 RMPU Amendment Yield Enhancement projects will be the subject of a separate Task Order.

2. SCOPE

The activities to be undertaken pursuant to this Task Order include preliminary design, proof-of-concept analyses, completion of the CEQA process, permitting, and final design for the following 2013 RMPU Amendment Yield Enhancement Projects, as those projects are further described in the 2013 RMPU Amendment:

Project ID	Project
MZ3 Projects	
18a	CSI Storm Water Basin
23a	2013 RMPU Proposed Wineville PS to Jurupa, Expanded Jurupa PS to RP3 Basin, and 2013 Proposed RP3 Improvements
25a	Sierra
27	Declez Basin
MZ2 Projects	
11	Victoria Basin
14	Turner Basin
15a	Ely Basin
17a	Lower San Sevaine Basin (2010 RMPU)
MZ1 Projects	
2	Montclair Basins

Under this task order the following is an estimated schedule and projected cost break down for each phases of the design:

Phase	Start	Finish	Projected Cost
Project Development	01/07/2014	02/18/2015	\$58,100
Preliminary Design	02/19/2015	06/30/2016	\$1,475,100
Environmental Design	02/19/2015	06/30/2016	\$577,100
Permits	07/01/2016	12/29/2017	\$5,605,100
	09/30/2016	12/29/2017	\$407,100
	Total		\$8,122,500

3. IEUA RESPONSIBILITIES

IEUA agrees to provide project management and contract administration services that include, but are not limited to:

- Engagement of consulting services as needed for:
 - Project design;
 - California Environmental Quality Act (CEQA) compliance;
 - Permitting;
- Management of consultants for the above;
- Approval of progress payments for consultants;

- Recommendation as to change orders for consultants;
- Payment of consultant invoices

IEUA will supply all personnel and equipment required to perform the assigned services.

4. WATERMASTER RESPONSIBILITIES

Watermaster agrees that it and its employees and consultants will cooperate with IEUA and its contractors in the performance of services under this Task Order and will provide any necessary documentation and information in Watermaster's possession.

5. BUDGET AND COST ALLOCATION

The budget for the activities to be undertaken pursuant to this Task Order is seven million eight hundred seventy-two thousand two hundred fifty dollars (\$7,872,250) unless the scope of work is changed and an increase is authorized by the Parties ("Budget"). The Parties agree that these costs are shared consistent with the methodology described in Peace II Agreement Section 8.1(b), and that IEUA's share of the costs is based on a 50% allocation of the costs of those portions of the project for which there is a recycled water component. The Budget includes IEUA capital, administrative, and overhead expenses associated with IEUA's provision of the services described in Section 3, above. The fiscal year budget allocation is as follows:

Design - RMPU YE Design	Fiscal Year 2014/15	Fiscal Year 2015/16	Fiscal Year 2016/17	Fiscal Year 2017/18	Total
Watermaster	-	\$1,800,000	\$3,500,000	\$2,572,250	\$7,872,250
IEUA	\$250,250	-	-	-	\$250,250
Total	\$250,250	\$1,800,000	\$3,500,000	\$2,572,250	\$8,122,500

6. TOTAL BUDGETED COST

The Parties agree to pay their respective portion of the total costs, and the parties shall not be required to pay more than \$8,122,500 ("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 \$7,872,250.

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 \$250,250.

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 IEUA's receipt of Watermaster's share of costs expended pursuant to the Budget shown above, so that IEUA may close out the activities.

10. REIMBURSEMENT

Watermaster's reimbursement of IEUA for work performed under this Task Order shall be as provided in Article 3 of the July 24, 2014 Master Agreement.

11. EFFECTIVE DATE

This Task Order No. 1 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 
P. JOSEPH GRINDSTAFF
General Manager

FIRST AMENDMENT
to
TASK ORDER NO. 1
2013 RMPU AMENDMENT YIELD ENHANCEMENT PROJECTS
PLANNING, PERMITTING AND DESIGN
under the
MASTER AGREEMENT REGARDING THE
MANAGEMENT OF COLLABORATIVE RECHARGE PROJECTS
between
INLAND EMPIRE UTILITIES AGENCY
and
CHINO BASIN WATERMASTER

This First Amendment to Task Order No. 1 is made and entered into as of the 1ST day of April, 2015 by and between the Inland Empire Utilities Agency (IEUA) and the Chino Basin Watermaster (Watermaster) (each a "Party" and collectively, the "Parties").

RECITALS

A. Task Order No. 1 for the 2013 RMPU Amendment Yield Enhancement Projects Planning, Permitting and Design (the "Task Order") was approved by IEUA on April August 20, 2014, and by Watermaster on August 28, 2014.

B. During the January 15, 2015 Joint Projects Committee Meeting, staff recommended the inclusion of a new project, the East Declez Project, within the Recharge Master Plan list of projects and the removal of Sierra Basin and Lower San Sevaine which are no longer viable RMPU project. The Sierra Basin was no longer an option due to the City of Fontana's desire to use the land for other purposes, while Lower San Sevaine is no longer an option due to the land where the project was to be located was sold to a home developer.

C. IEUA and Watermaster wish to amend Task Order No. 1 to reflect these changes on the listed RMPU projects which are considered for design, decrease the total projected design cost, and to adjust the reimbursement schedule under which Watermaster provides its share of the costs to IEUA.

NOW THEREFORE IT IS AGREED TO AMEND THE TASK ORDER AS FOLLOWS:

1. Section 2 of the Task Order titled SCOPE shall be amended to read:

The activities to be undertaken pursuant to this Task Order include preliminary design, proof-of-concept analyses, completion of the CEQA process, permitting, and final design for the following 2013 RMPU Amendment Yield Enhancement Projects, as those projects are further described in the 2013 RMPU Amendment:

ID	Basin Projects
18a	CSI Storm Water Basin
23a	2013 RMPU Proposed Wineville PS to Jurupa, Expanded Jurupa PS to RP3 Basin, and 2013 Proposed RP3 Improvements
-	East Declez Basin
11	Victoria Basin
14	Turner Basin
15a	Ely Basin
2	Montclair Basins

Under this task order the following is an estimated scheduled and projected cost break down for each phase of work:

Phases	Start	Finish	Projected Cost
Project Development	07/01/14	04/15/15	\$53,547
Preliminary Design	04/16/15	08/26/16	\$1,360,328
Environmental	02/19/15	08/29/16	\$532,190
Design	08/29/16	12/29/17	\$5,169,055
Permits	08/29/16	12/29/17	\$375,380
		Total	\$7,490,500

- Section 5 of the Task Order titled BUDGET AND COST ALLOCATION shall be amended to read:

The budget for the activities to be undertaken pursuant to this Task Order is five million four hundred sixty-nine thousand five hundred dollars (\$7,490,500) unless the scope of work is changed and an increase is authorized by the Parties ("Budget"). The Parties agree that these costs are shared consistent with the methodology described in Peace II Agreement Section 8.1(b), and that IEUA's share of the costs is based on a 50% allocation of the costs of those portions of the project for which there is a recycled water component. The Budget includes IEUA capital, administrative, and overhead expenses associated with IEUA's provision of the services described in Section 3, above. The fiscal year budget allocation is as follows:

Design - RMPU YE Design	Fiscal Year 2015/16	Fiscal Year 2016/17	Fiscal Year 2017/18	Total
Watermaster	\$569,750	\$3,100,000	\$3,570,500	\$7,240,250
IEUA	\$250,250	-	-	\$250,250
Total	\$820,000	\$3,100,000	\$3,549,500	\$7,490,500

3. Section 6 of the Task Order titled TOTAL BUDGETED COST shall be amended to read:

The Parties agree to pay their respective portion of the total costs, and the parties shall not be required to pay more than \$7,490,500 ("Total Budgeted Cost").

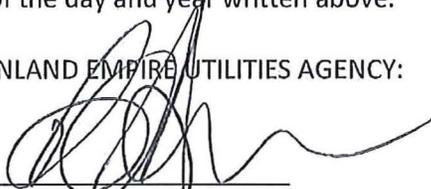
4. Section 7 of the Task Order titled MAXIMUM COSTS TO WATERMASTER shall be amended to read:

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 \$7,240,250.

ALL OTHER PROVISIONS SHALL REMAIN UNCHANGED.

IN WITNESS WHEREOF, the parties hereby have caused this Amendment to be entered into as of the day and year written above.

INLAND EMPIRE UTILITIES AGENCY:



 Joseph Grindstaff
 General Manager

CHINO BASIN WATERMASTER:



 Peter Kavounas
 General Manager

Inland Empire Utilities Agency Chino Basin Watermaster

Recharge Investigations/Projects Committee (RIPCom) Meeting

February 18, 2016

Findings of the East Declez Basin Site Subsurface Investigation

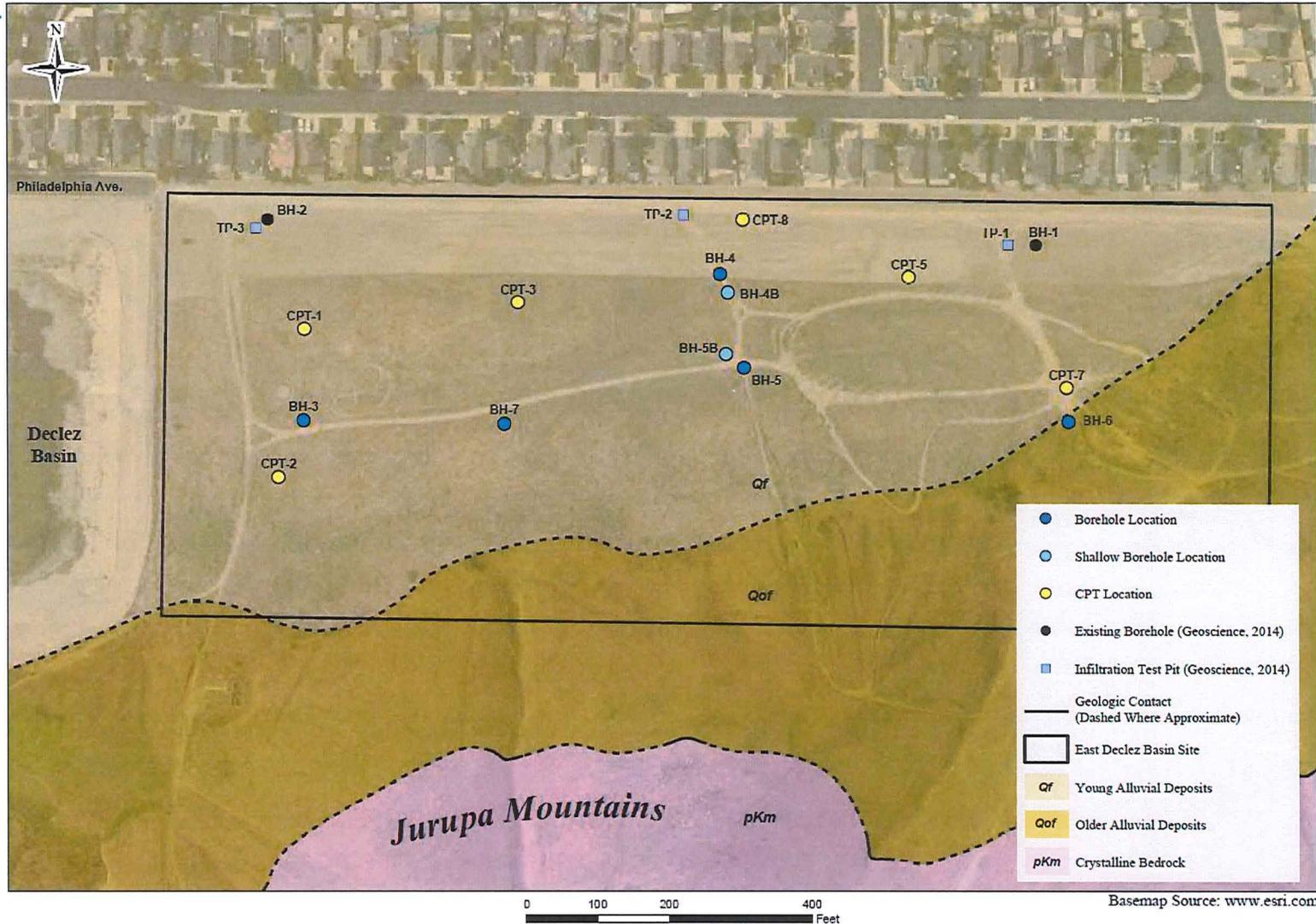


Presentation Overview

- Overview of Subsurface Investigation
 - Investigation Locations
 - Subsurface Soil Characteristics
 - Implications of Data for Recharge Potential
- Potential Site Uses Based on Data Collected
- Finding/Conclusions
- Wildermuth's supplement evaluation
- Recommendations
- Schedule



Borehole, CPT, and Test Pit Locations



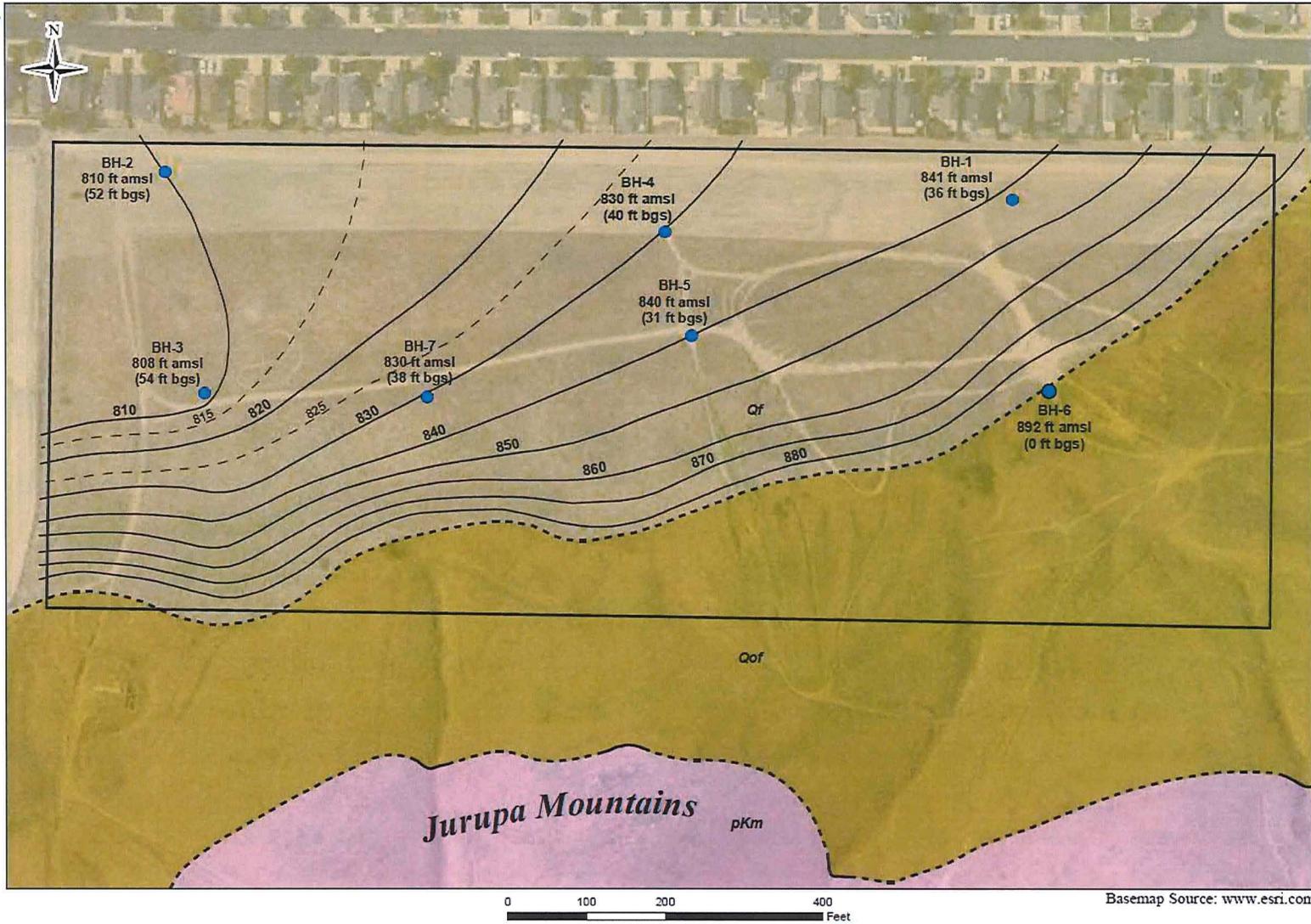
BH-7 Lithologic Log

Depth	Graphic Log	Sample Recovery (Percent)	Blow Counts	Color	Sample Description
0		100		10 YR 2/2 Very Dark Brown	POORLY-GRADED SAND: Dry. Fine-grained sand, some medium-grained sand, less than 5 percent gravel up to 20 mm; subangular to subrounded; 5-10 percent silt.
-5		0			
-10		70	12, 18, 27	7.5 YR 4/1 Dark Gray	POORLY-GRADED SAND WITH GRAVEL: Dry. Medium-grained sand, with coarse-grained sand, some fine-grained sand, 40-50 percent gravel up to 20 mm; angular to subangular; less than 5 percent silt.
-15		0			
-15		20		7.5 YR 4/1 Dark Gray	Fine sand at 16 feet and 19 feet.
-20		30	38, 50.5 (5-inch)	7.5 YR 4/1 Dark Gray	Gravel to 50 mm at 24 feet.
-25		5			

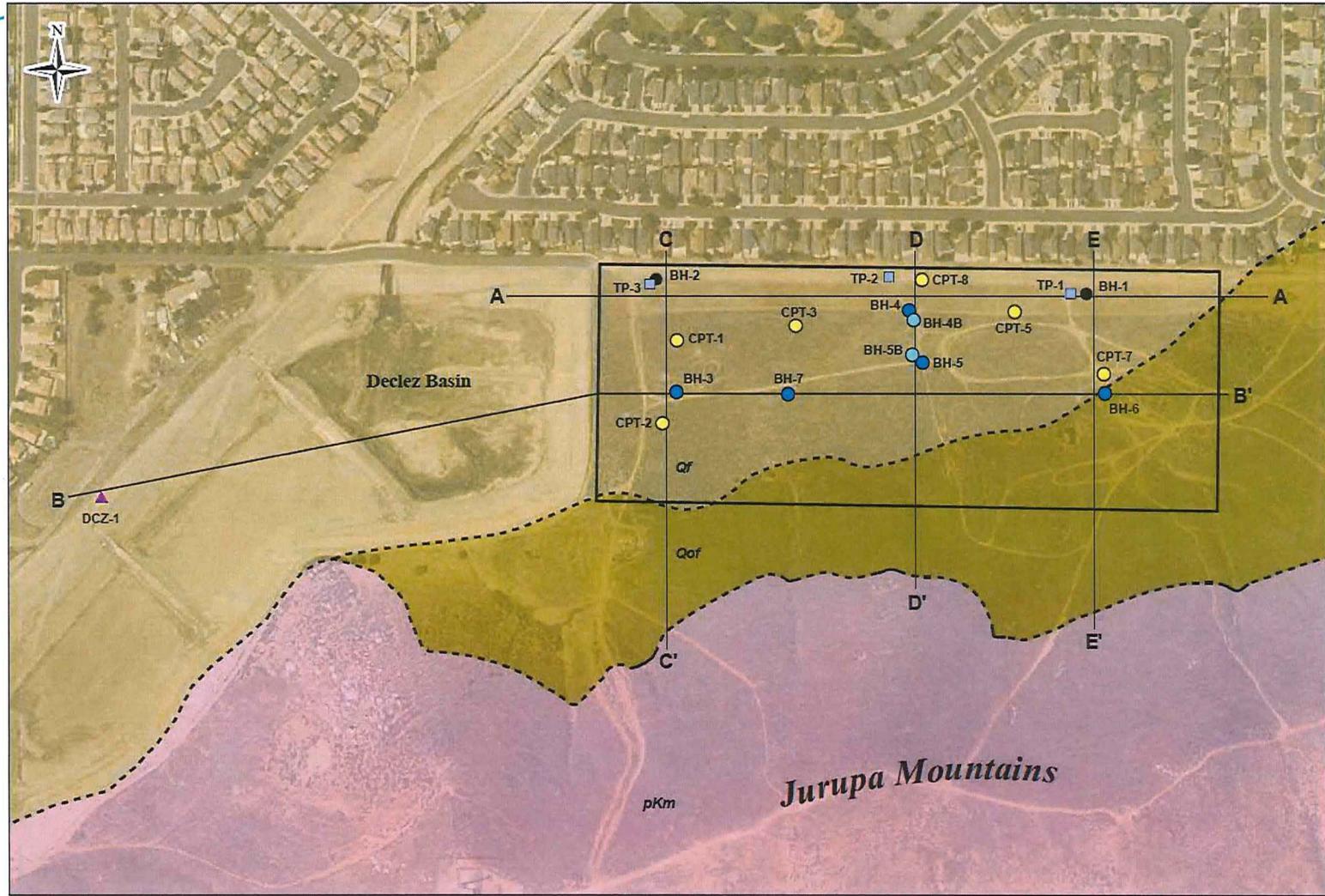
BH-7 Lithologic Log

Depth	Graphic Log	Sample Recovery (Percent)	Blow Counts	Color	Sample Description
-25	SP	10		5Y 4/1 Dark Gray	POORLY-GRADED SAND: Moist. Fine-grained sand, trace medium-grained sand, trace gravel to 35 mm; subrounded to subangular; less than 5 percent silt.
-30		80	12, 13, 14	5Y 4/1 Dark Gray	Gravel to 45 mm at 34 feet. Rig chatter at 38 feet.
-35		30			
-40	CL	40			LEAN CLAY: Dry to moist, firm consistency. 90 percent clay, 10 percent fine-grained sand, trace medium-grained sand, less than 5 percent gravel up to 25 mm; subrounded to rounded. Clay: very high dry strength, slow dilatancy, medium toughness, medium plasticity. Gravel up to 50 mm at 42 feet.
-45		90	15, 25, 50	7.5 YR 4/4 Brown	
-50	ML	100			SILT: Dry to moist, hard consistency. 90 percent silt, 10 percent fine-grained sand, trace medium-grained sand, less than 5 percent gravel up to 30 mm. Silt: High dry strength, slow dilatancy, low toughness, low plasticity. Increase in gravel 49-50 feet.
-55		50		7.5 YR 5/6 Strong Brown	
-60		5	22, 29, 34	7.5 YR 5/6 Strong Brown	Driller reports "tight" drilling at 53 feet. Gravel up to 40 mm at 54 feet.
-65		70			
-70		70			

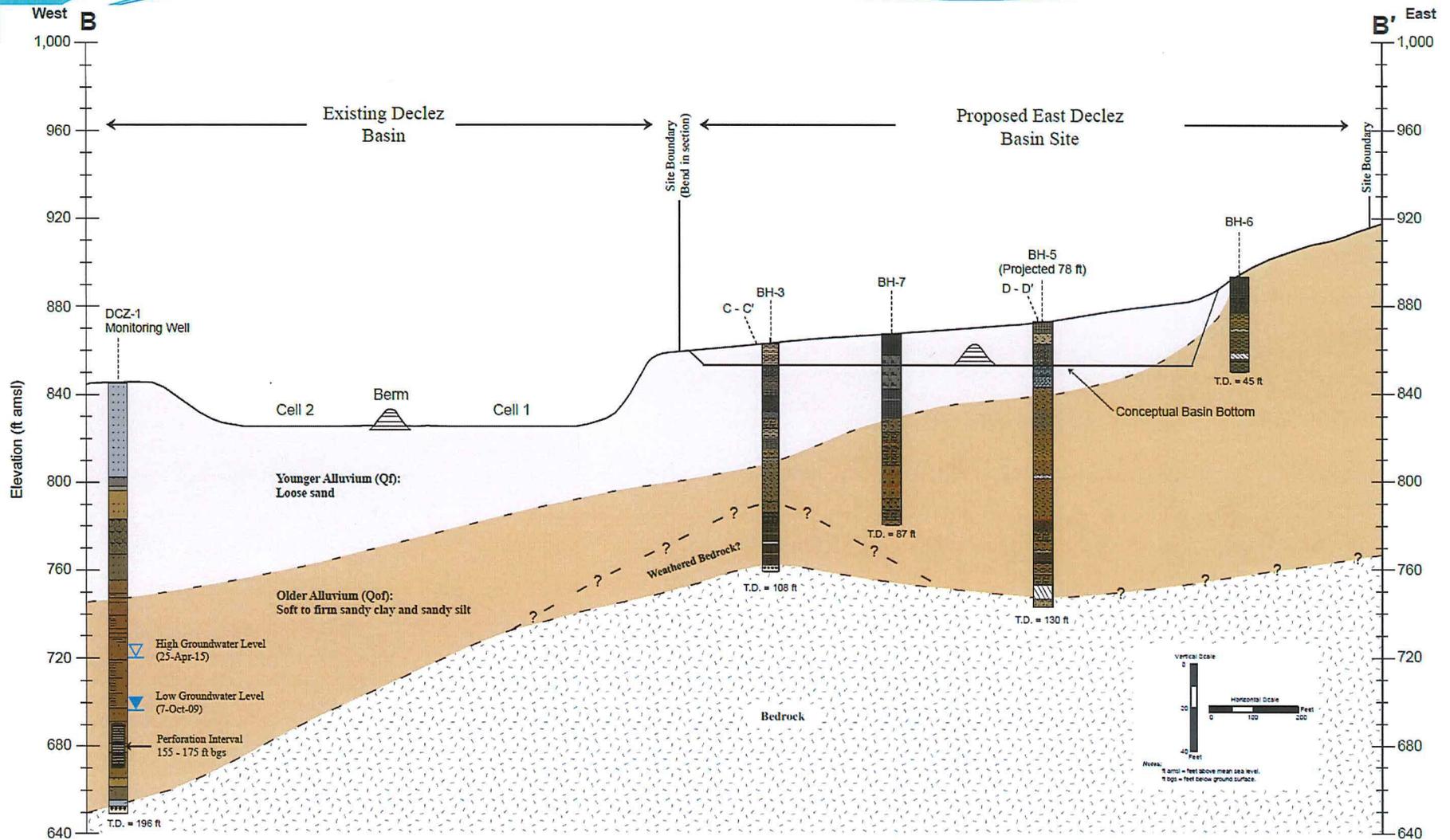
Bottom of Younger Alluvium



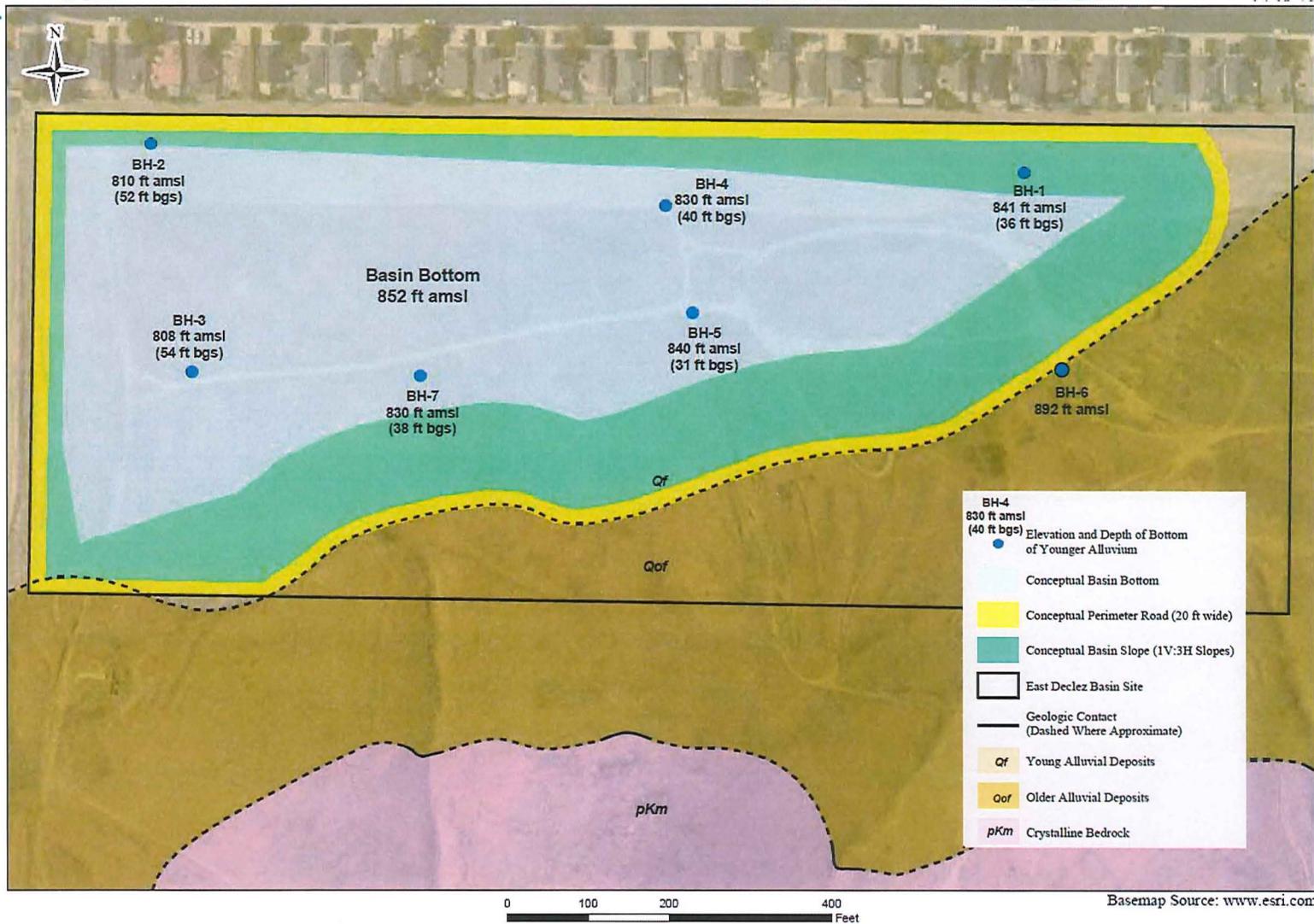
Cross Section Locations



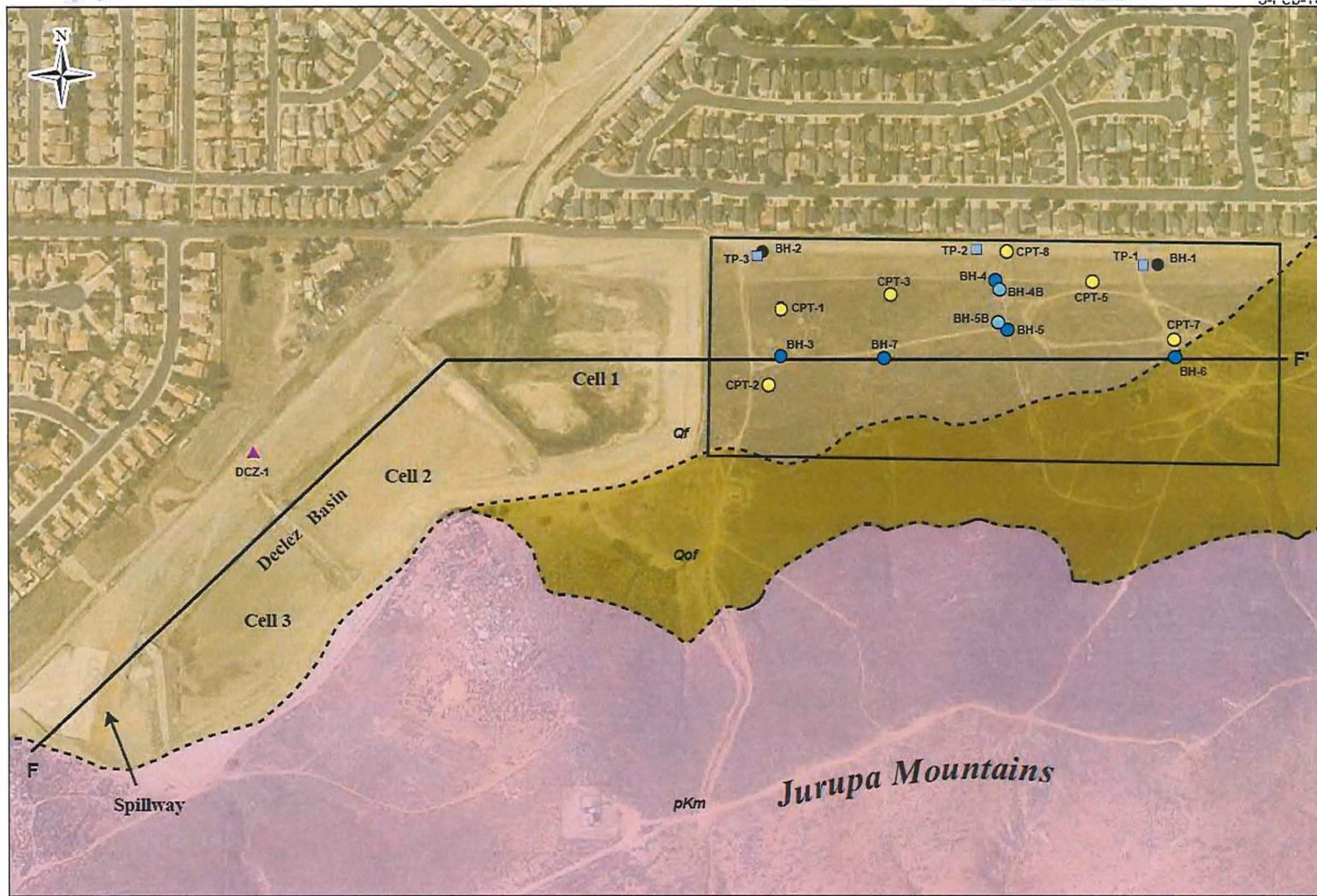
Conceptual Basin Layout – Shallow Basin



Conceptual Basin Layout – Shallow Basin

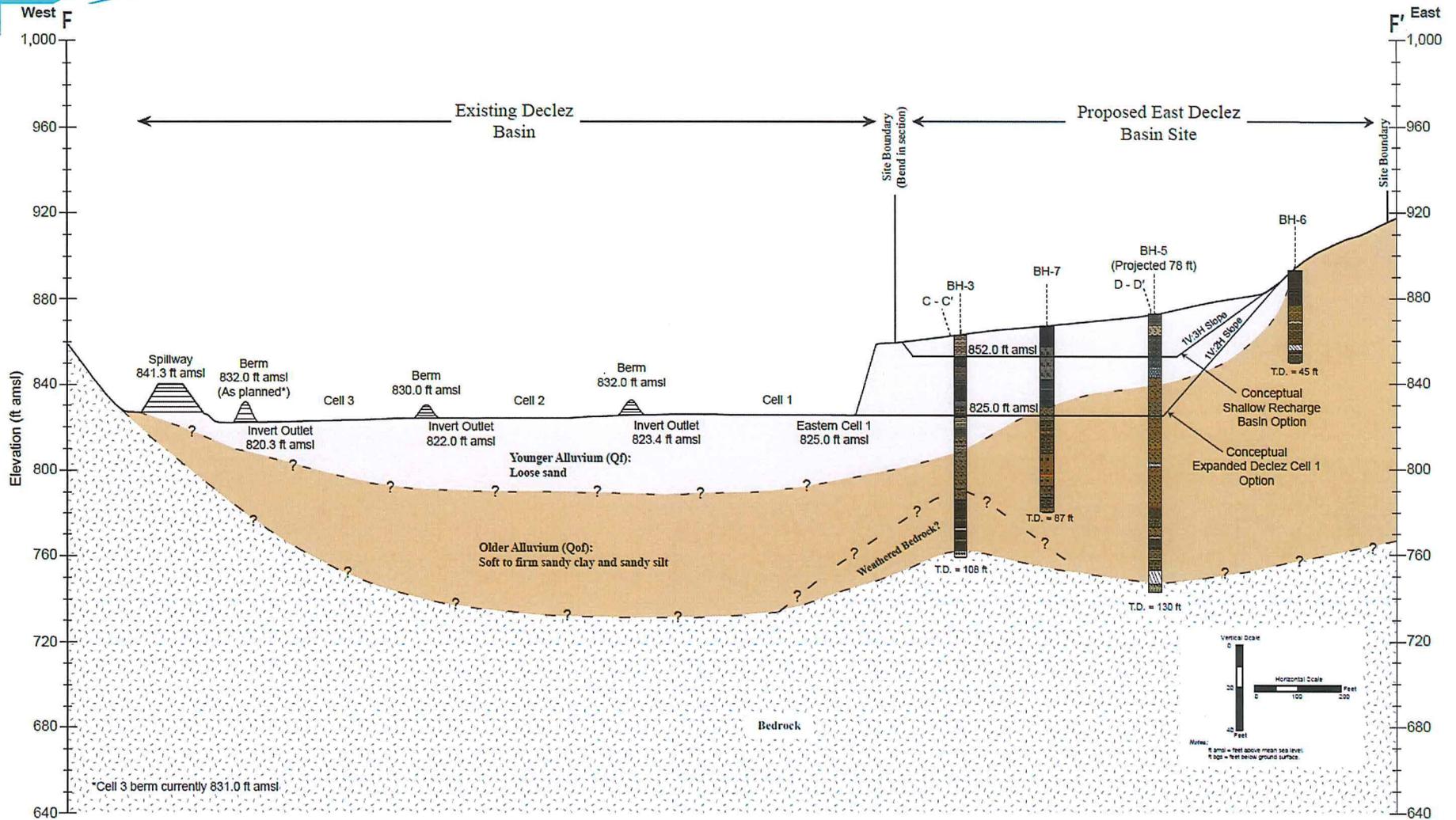


Conceptual Basin Layout – Storage Basin

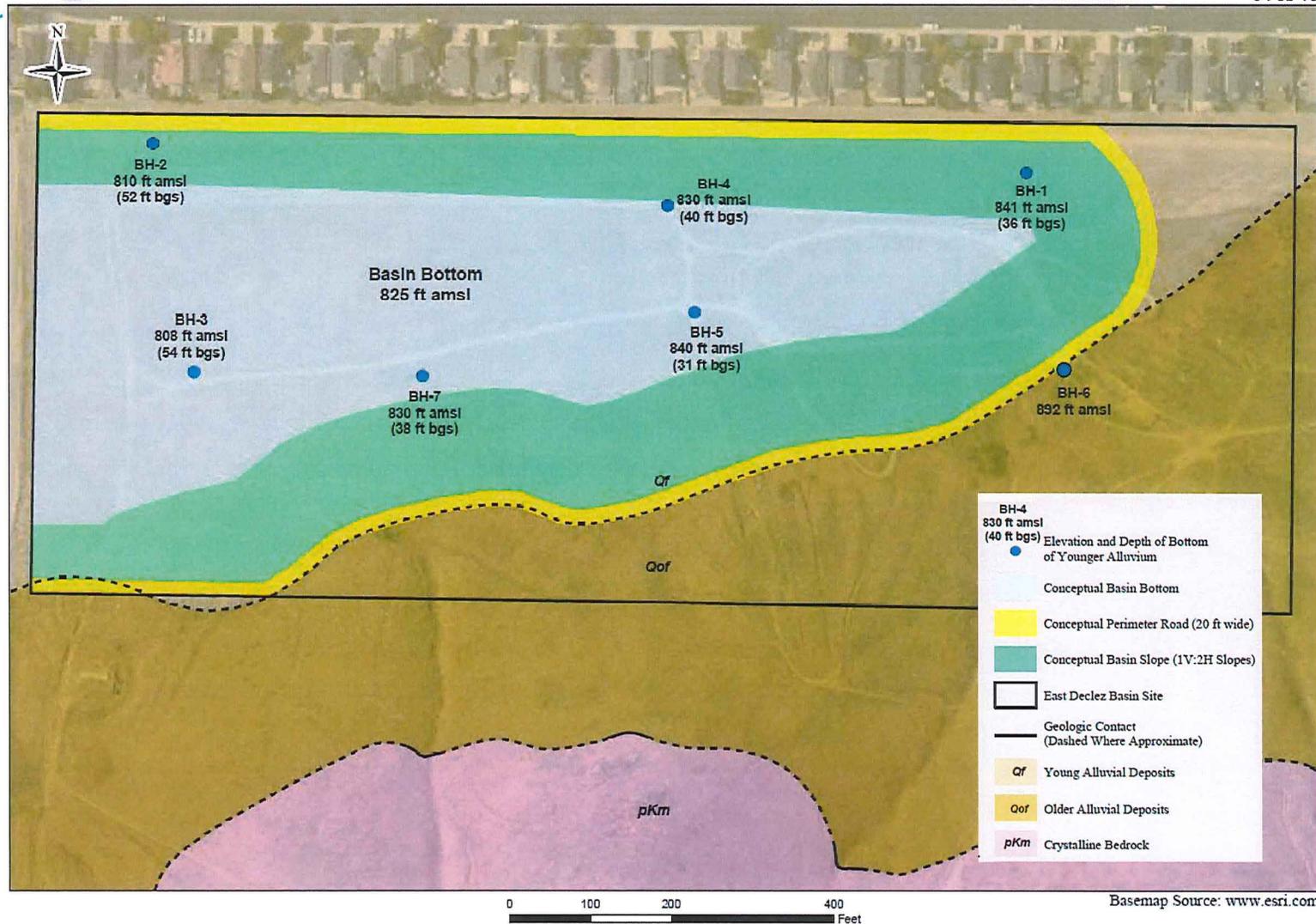


Basemap Source: www.esri.com

Conceptual Basin Layout – Storage Basin



Conceptual Basin Layout – Storage Basin



Conclusions

- A Recharge Basin at the East Declez Site would have to be Designed with a Shallow Bottom Due to Thin Permeable Alluvium.
- A Shallow Recharge Basin Concept is not Feasible Due to the High Basin Bottom Elevation Relative to the Declez Channel Diversion Point.
- The Site Could Alternatively Be Used As an Expansion of the Existing Declez Basin.

Conclusions

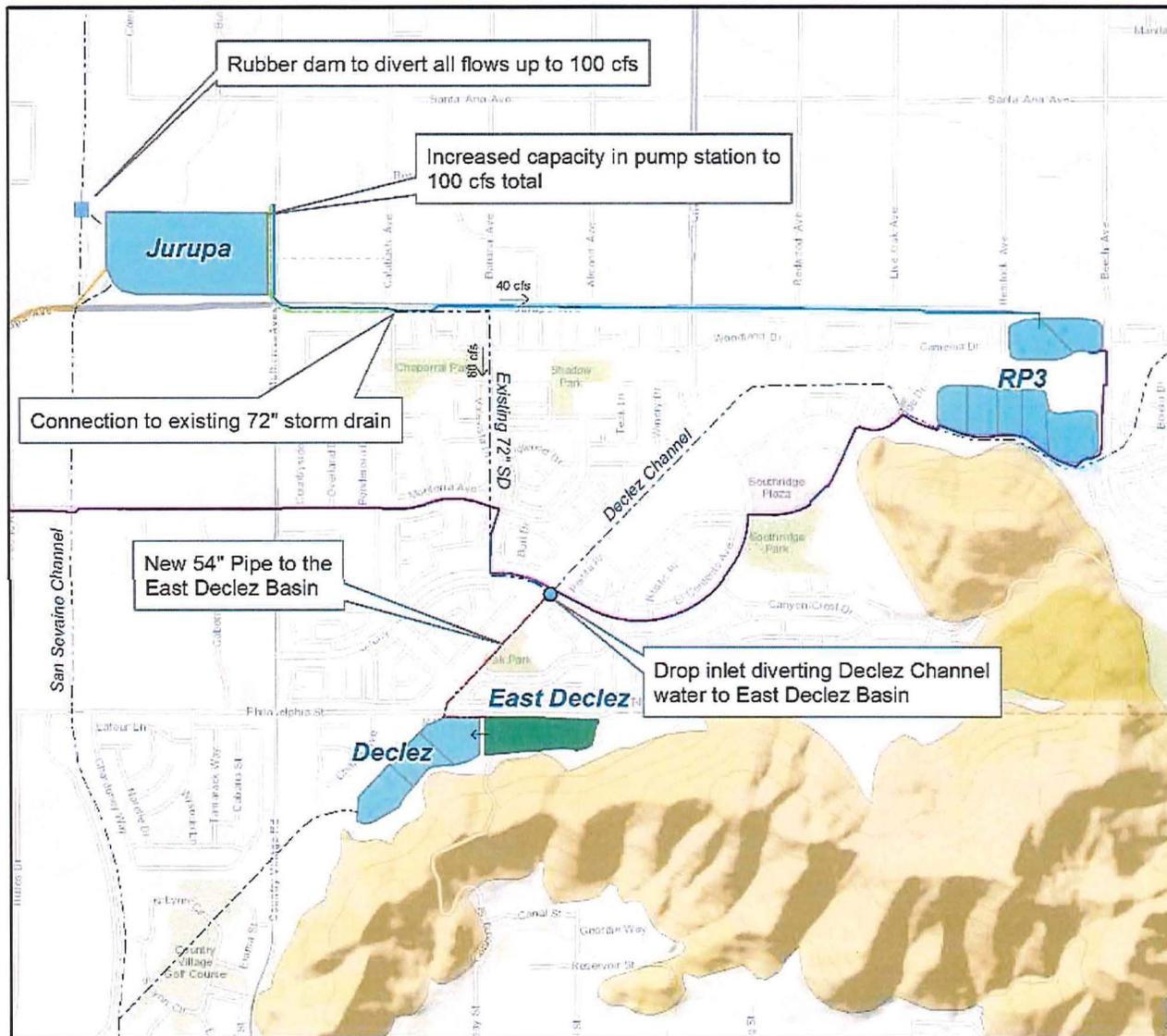
- Wildermuth Environmental prepared a supplementary study and report to evaluate potential Net Increase in Recharge on the expansion of the Existing Declez Basin

Wildermuth's Scope

- Evaluate the range of expected recharge and unit cost for the proposed East Declez Basin project based on the new information from Thomas Harder and Company's subsurface investigation

Original Basin Design Concept

- 35 foot deep, 300 acre-ft basin with spillway to Declez Basin
- Infiltration rate is same as Declez Basin (0.6 ft/day)
- Three alternatives evaluated; optimal alternative – 913 acre-ft/yr at \$1,700/acre-ft/yr



Planned Structures for the East Declez Basin Project

- Rubber Dam
- Drop Inlet

Piping Infrastructure

- Jurupa Force Main
- Wineville Recycled Water Pipeline
- Proposed Pipe from Wineville Basin (PID 23a)
- - - 54" Diversion Pipe
- - - 42" Pipe from Jurupa Basin to Existing Storm Drain

Basins

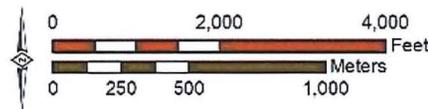
- Existing
- Proposed East Declez Basin



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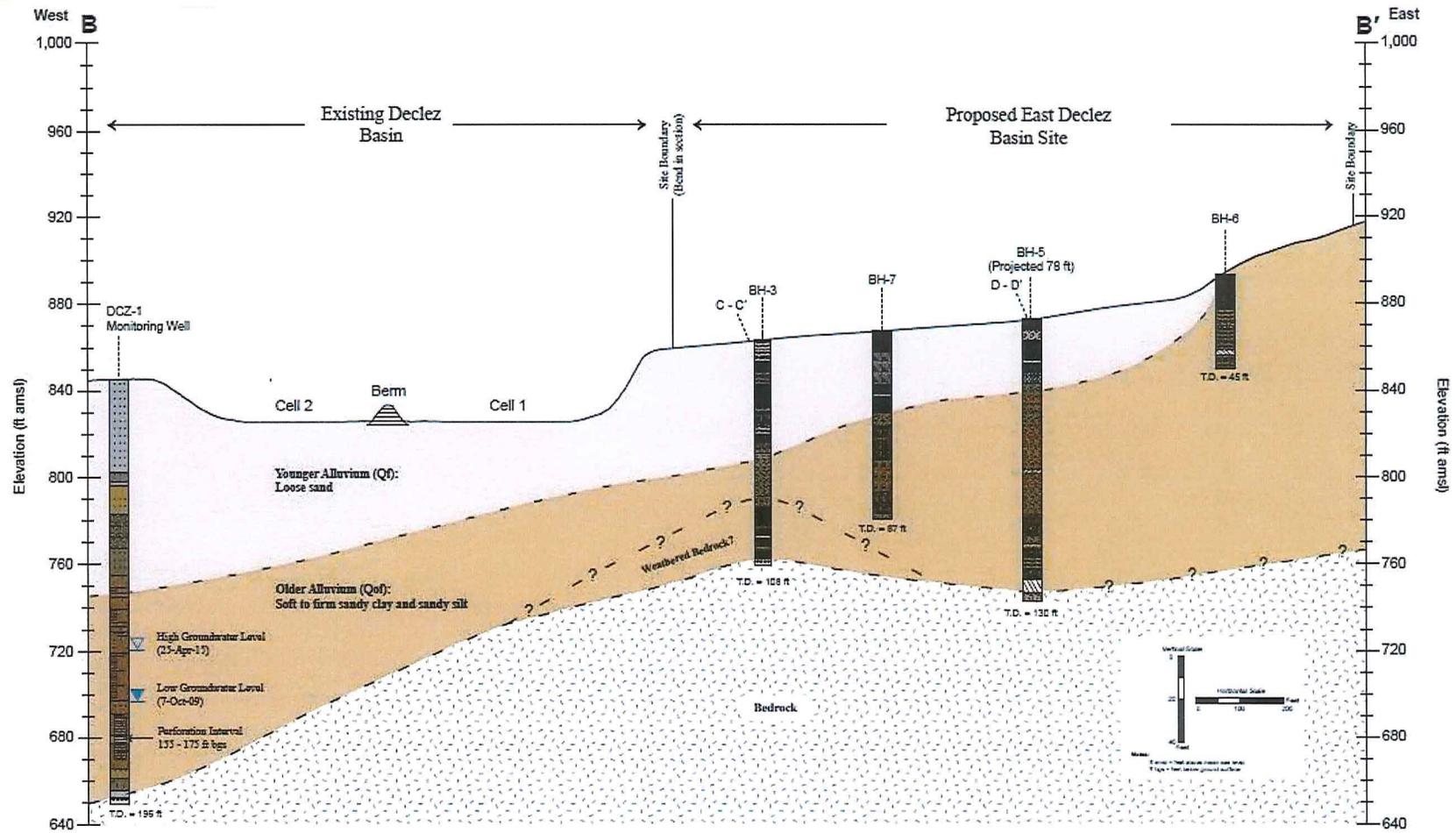
Author: GAR
Date: 11/19/2014
Name: EDeclez_N12b



Implementation of 2013 Amendment to the 2010 RMPU

East Declez Basin Project Alternative 2b

Figure 4



Thomas Harder & Co.
Groundwater Consulting

5-Feb-18

Figure 4b

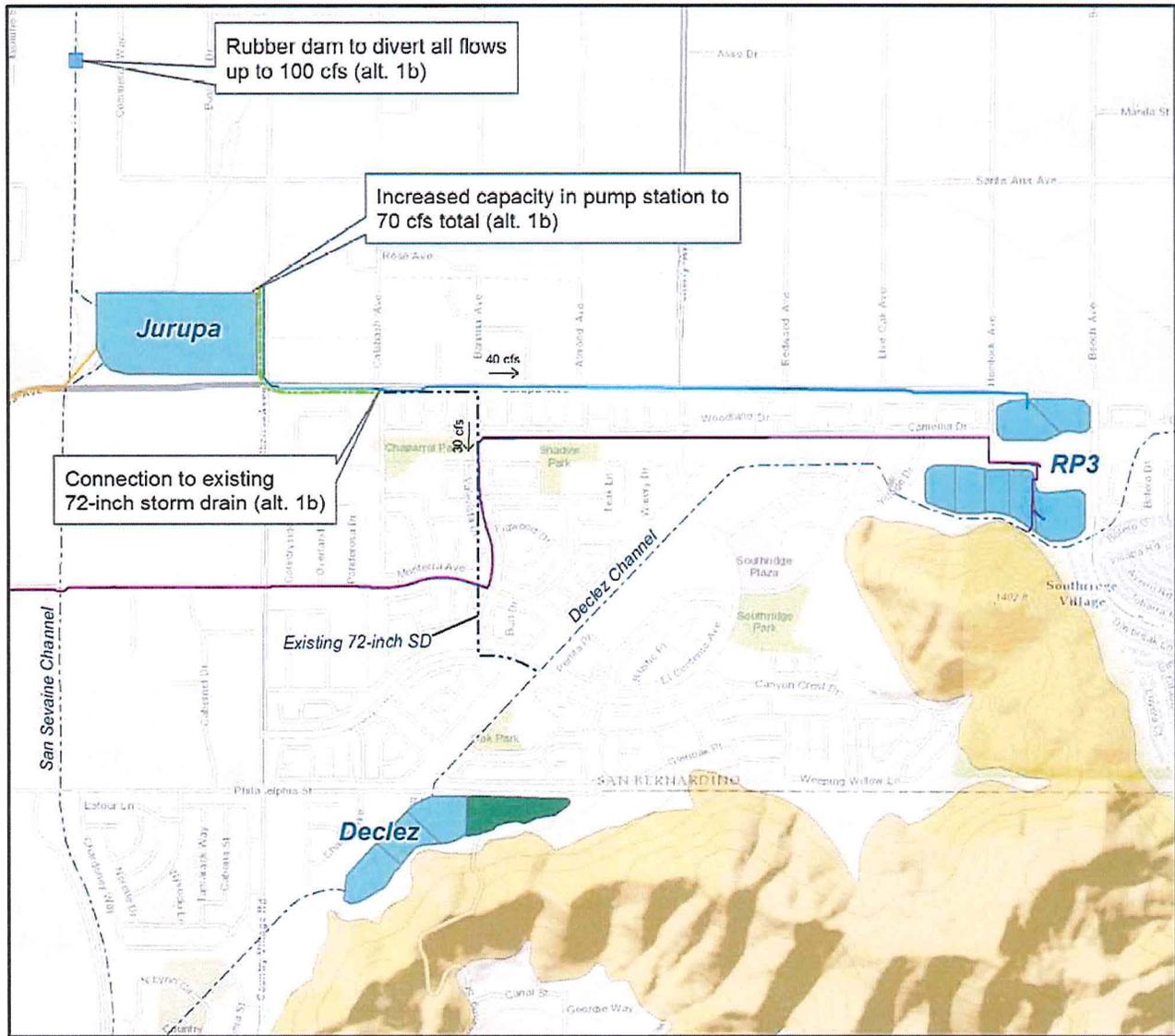


Project Evaluation

- Two new basin concepts were developed
 1. Expansion of cell 1 of the existing Declez Basin graded at the same bottom elevation as cell 1 of existing basin
 - ~150 acre-ft of additional storage
 2. Shallow basin acting as a separate basin adjacent to Declez
 - 75 acre-ft volume
 - 8 feet deep

Project Evaluation

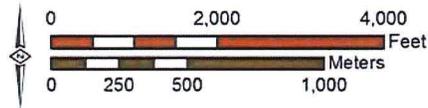
- Shallow basin concept was not hydraulically feasible without pumping
- Expansion of Declez Basin cell 1 was evaluated:
 - With and without diversion of stormwater from the Jurupa Basin
 - Infiltration rates in the expansion area of 0.0 and 0.6 ft/day



Produced by:



Author: GAR
Date: 2/17/2016
Name: EDeclez_2016_alt_1



Implementation of 2013 Amendment to the 2010 RMPU

East Declez Basin New Project Alternatives 1a/1b

Figure 1

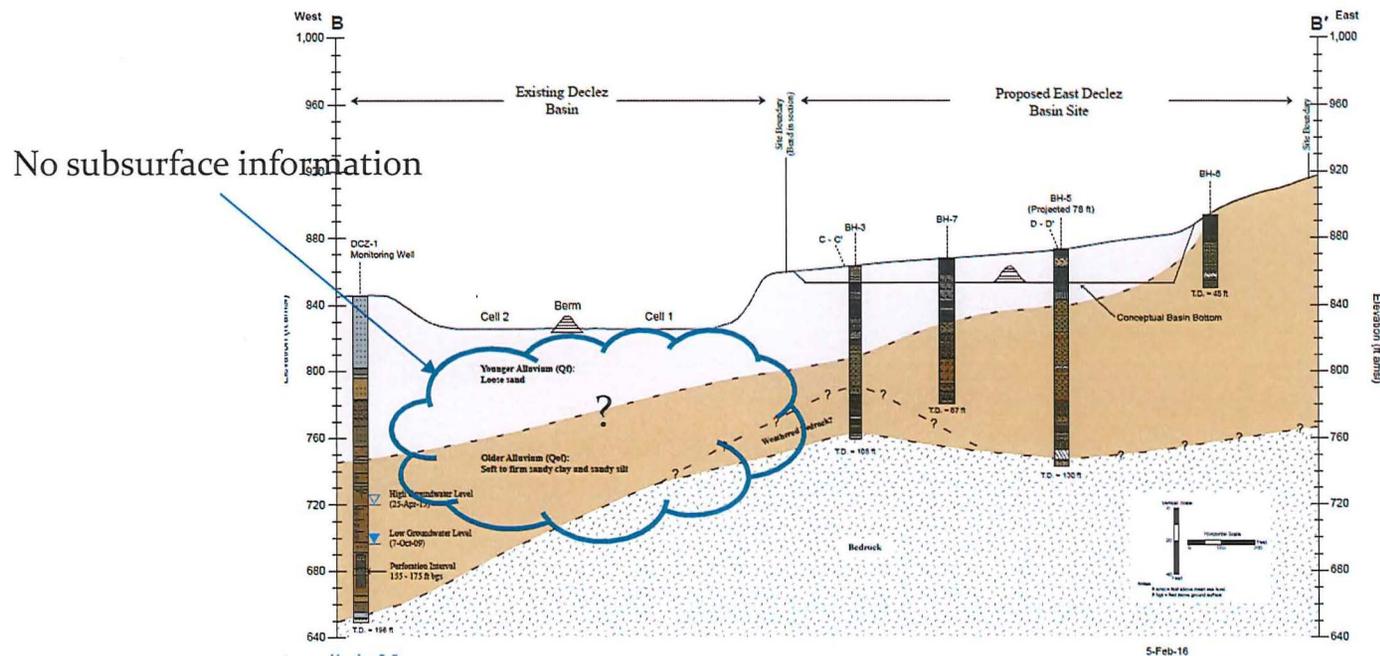
Evaluation Results

Net New Recharge and Unit Costs for the East Declez Basin Project with and without Infiltration over Project Area

Alternative	Net New Recharge (acre-ft/yr)		Annual Unit Cost (\$/acre-ft)	
	Infiltration Rate in Expanded Cell 1 Area = 0.0 ft/day	Infiltration Rate in Expanded Cell 1 Area = 0.6 ft/day	Infiltration Rate in Expanded Cell 1 Area = 0.0 ft/day	Infiltration Rate in Expanded Cell 1 Area = 0.6 ft/day
1a	144	300	\$5,099	\$2,467
1b	414	601	\$2,420	\$1,678

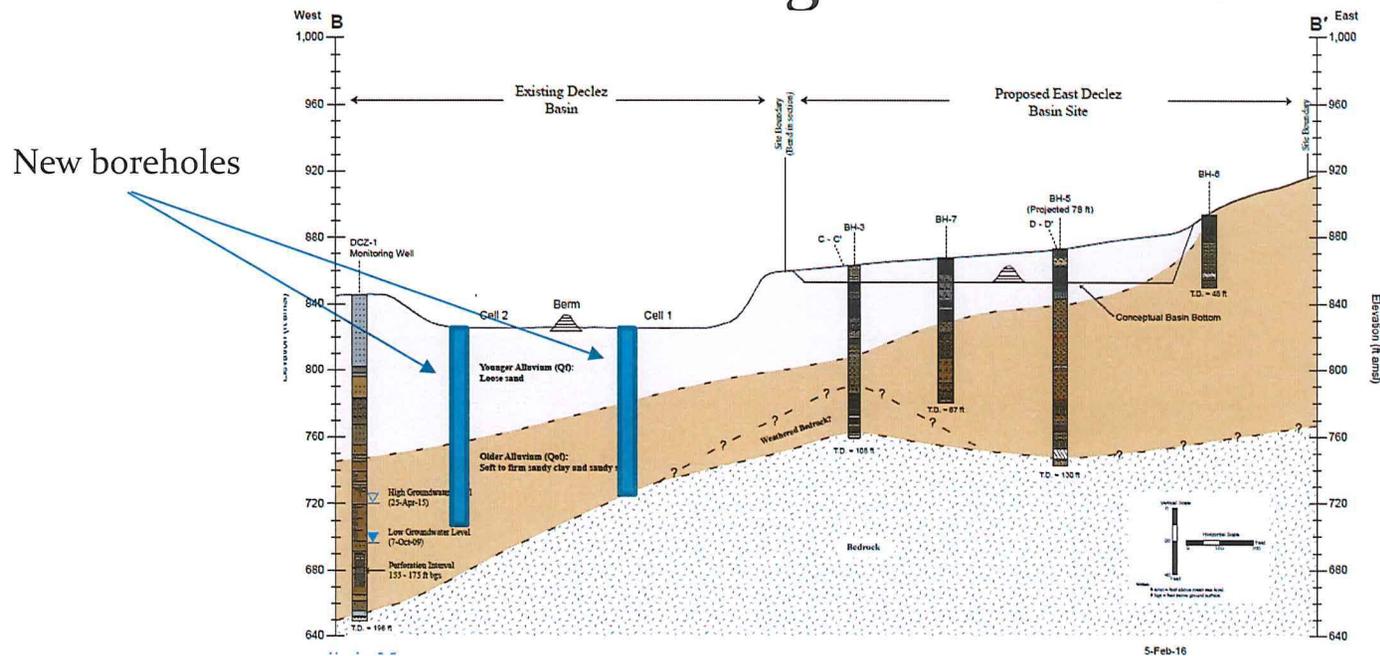
Recommendations

- No Current Subsurface Information Beneath Existing Declez Basin to Compare with East Declez.



Recommendations

- Further field investigations - two boreholes to provide Subsurface Data that could be used to condition the Recharge Estimates from WEI.



Recommendations

- Fiscal and Schedule impacts to additional field investigation:

Realistic Schedule for additional field investigation			
Drilling/Reporting/Administrative support	\$35,000	6 - weeks	Considers mobilizing the driller, meeting permits, access to basin, delays with rain, etc.
Extension to the feasibility period with property owner	\$25,000	N/A	Requires extending feasibility period by one month to meet projected duration. \$25k of the \$50k becomes non-refundable

Optimist Schedule for additional field investigation			
Drilling/Reporting/Administrative support	\$35,000	3 - weeks	Aggressive timeline

Property Purchase Schedule

- Opened Escrow – Nov. 19, 2015
- Finalize Board decision on property purchase – March 2016
- Reply to property owner of decision – April 2016
- Feasibility period expires – May 17, 2016
- Close of Escrow – (on or before) July 18, 2016

Questions



CHINO BASIN WATERMASTER

III. REPORTS/UPDATES

C. GM REPORT

1. Overlying Non-Agricultural Pool Available Water Per Restated Judgment Exhibit "G"

Actual Allocation for the Purchase of the Exhibit "G" Non-Ag Pool Water 2016

The Restated Judgment, Exhibit "G" states:

9(a) By December 31 of each year, the members of the Overlying (Non-Agricultural) Pool shall notify Watermaster of the amount of water each member shall make available in their individual discretion for purchase by the Appropriators. By January 31 of each year, Watermaster shall provide a Notice of Availability of each Appropriator's pro-rata share of such water;

9(b) Except as they may be limited by paragraph 9(e) below, each member of the Appropriative Pool will have, in their discretion, a right to purchase its pro-rata share of the supply made available from the Overlying (Non-Agricultural) Pool at the price established in 9(d) below. Each Appropriative Pool member's pro-rata share of the available supply will be based on each Producer's combined total share of Operating Safe Yield and the previous year's actual Production by each party;

9(c) If any member of the Appropriative Pool fails to irrevocably commit to their allocated share by March 1 of each year, its share of the Overlying (Non-Agricultural) Pool water will be made available to all other members of the Appropriative Pool according to the same proportions as described in 9(b) above and at the price established in Paragraph 9(d) below. Each member of the Appropriative Pool shall complete its payment for its share of water made available by June 30 of each year.

Non-Ag Water Made Available By:		
Party	Volume Made Available (AF)	Payment @ \$508.00 per AF
CA Steel Industries	2,500.000	\$ 1,270,000.00
Auto Club Speedway	1,000.000	\$ 508,000.00
NRG CA South LP	1,500.000	\$ 762,000.00
	5,000.000	\$ 2,540,000.00

1st Iteration Additional Amount Available To Be Reallocated:
(= Total [B] - Total [D])
1,589.780 Acre-Feet

2nd Iteration Additional Amount Available To Be Reallocated:
(= Total [B] - Total [J])
14.507 Acre-Feet

3rd Iteration Additional Amount Available To Be Reallocated:
(= Total [B] - Total [O])
- Acre-Feet

Party	5,000.000 Potential Allocation (From Notice)	Maximum Amount Stated On Form	Amount of Original Potential Allocation Requested	Maximum Additional Amount Requested	Original Potential Allocation (If Purchasing Additional)	1st Iteration			Total Amount After Iteration	Original Potential Allocation (If Purchasing Additional)	2nd Iteration			Total Amount After Iteration	Original Potential Allocation (If Purchasing Additional)	3rd Iteration			Total Amount After Iteration	Cost for Each Party's Allocation @ \$508.00 per AF
						Percent Of Potential Allocation	Available Allocation Amount For This Iteration	Reallocation Actual Amount (Up To Maximum)			Percent Of Potential Allocation	Available Allocation Amount For This Iteration	Reallocation Actual Amount (Up To Maximum)			Percent Of Potential Allocation	Available Allocation Amount For This Iteration	Reallocation Actual Amount (Up To Maximum)		
Arrowhead Mtn Spring Water Co	12.666	5,000.000	12.666	4,987.334	12.666	0.483%	7.674	7.674	20.341	12.666	0.490%	0.071	0.071	20.412					\$ 10,369.30	
Chino Hills, City Of	205.093	-	-	-	-				-	-				-					\$ -	
Chino, City Of	183.912	-	-	-	-				-	-				-					\$ -	
Cucamonga Valley Water District	600.175	3,365.764	600.175	2,765.589	600.175	22.873%	363.635	363.635	963.810	600.175	23.229%	3.370	3.370	967.180					\$ 491,327.29	
Desalter Authority	-	-	-	-	-				-	-				-					\$ -	
Fontana Union Water Company	291.413	1,634.236	291.413	1,342.823	291.413	11.106%	176.562	176.562	467.975	291.413	11.279%	1.636	1.636	469.611					\$ 238,562.42	
Fontana Water Company	396.687	5,000.000	396.687	4,603.313	396.687	15.118%	240.346	240.346	637.033	396.687	15.353%	2.227	2.227	639.261					\$ 324,744.35	
Fontana, City Of	-	-	-	-	-				-	-				-					\$ -	
Golden State Water Company	40.169	50.000	40.169	9.831	40.169	1.531%	24.338	9.831	50.000	-				50.000					\$ 25,400.00	
Jurupa Community Services District	464.526	464.526	464.526	-	-				464.526	-				464.526					\$ 235,979.00	
Marygold Mutual Water Company	67.043	-	-	-	-				-	-				-					\$ -	
Monte Vista Irrigation Company	30.855	30.855	30.855	-	-				30.855	-				30.855					\$ 15,674.29	
Monte Vista Water District	424.480	2,924.450	424.480	2,499.970	424.480	16.177%	257.185	257.185	681.665	424.480	16.429%	2.383	2.383	684.049					\$ 347,496.71	
Niagara Bottling, LLC	55.279	-	-	-	-				-	-				-					\$ -	
Nicholson Trust	0.182	-	-	-	-				-	-				-					\$ -	
Norco, City Of	9.189	-	-	-	-				-	-				-					\$ -	
Ontario, City Of	858.319	5,000.000	858.319	4,141.681	858.319	32.711%	520.040	520.040	1,378.360	858.319	33.220%	4.819	4.819	1,383.179					\$ 702,654.91	
Pomona, City Of	883.509	-	-	-	-				-	-				-					\$ -	
San Antonio Water Company	112.666	-	-	-	-				-	-				-					\$ -	
San Bernardino County Shtg Prk	0.323	-	-	-	-				-	-				-					\$ -	
Santa Ana River Water Company	59.332	59.332	59.332	-	-				59.332	-				59.332					\$ 30,140.88	
Upland, City Of	231.596	231.596	231.596	-	-				231.596	-				231.596					\$ 117,650.85	
West End Consolidated Water Company	43.208	-	-	-	-				-	-				-					\$ -	
West Valley Water District	29.376	-	-	-	-				-	-				-					\$ -	
Total	5,000.000	23,760.759	3,410.220	20,350.539	2,623.911	100.000%	1,589.780	1,575.274	4,985.493	2,583.742	100.000%	14.507	14.507	5,000.000					\$ 2,540,000.00	

[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]	[K]	[L]	[M]	[N]	[O]	[P]	[Q]	[R]	[S]	[T]	[U]
	As Provided On CBWM Notice To Parties	As Stated On Form By Party	Copied From [B] If Purchasing Water	= [C] - [D]	Copied From [B] If Purchasing Water	Party's [F] Divided By Total [F]	= Iteration Amount Available * [G]	[H] or [E], Whichever Is Lesser	= [D] + [I]	Copied From [B] If Purchasing Water	Party's [K] Divided By Total [K]	= Iteration Amount Available * [L]	[M] or ([C] - [J]), Whichever Is Lesser	= [J] + [N]	Copied From [B] If Purchasing Water	Party's [P] Divided By Total [P]	= Iteration Amount Available * [Q]	[R] or ([C] - [O]), Whichever Is Lesser	= [O] + [S]	= [T] * \$/AF Cost

NOTE: Parties selling are using recycled water in lieu of pumping groundwater where available. Parties purchasing are current on assessments and in compliance with the OBMP.

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CHINO BASIN WATERMASTER

IV. INFORMATION

1. Cash Disbursements for January 2016

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2016

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	02/04/2016	19187	CHARTER COMMUNICATIONS	8245100651455350	1012 · Bank of America Gen'l Ckg	
Bill	02/01/2016	8245100651455350		2/06/16-3/05/16	6053 · Internet Expense	64.99
TOTAL						64.99
Bill Pmt -Check	02/04/2016	19188	CHEF DAVE'S CAFE & CATERING	5891	1012 · Bank of America Gen'l Ckg	
Bill	01/28/2016	5891		Lunch for 1/28/16 Watermaster Board meeting	6312 · Meeting Expenses	639.80
TOTAL						639.80
Bill Pmt -Check	02/04/2016	19189	EMPOWER LAB		1012 · Bank of America Gen'l Ckg	
Bill	12/11/2015	121115		Debrief w/Anna Danni, Joe	6013 · Human Resources Services	450.00
Bill	01/07/2016	10716		CVI group workshop	6013 · Human Resources Services	1,500.00
TOTAL						1,950.00
Bill Pmt -Check	02/04/2016	19190	OFFICE TEAM	44919306	1012 · Bank of America Gen'l Ckg	
Bill	01/28/2016	44919306		Week ending 1/22/16	6017.2 · Office Specialist Services	1,170.33
TOTAL						1,170.33
P77 Bill Pmt -Check	02/04/2016	19191	PARK PLACE COMPUTER SOLUTIONS, INC.	508	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2016	508		IT Consulting Services - January 2016	6052.1 · Park Place Comp Solutn	1,650.00
TOTAL						1,650.00
Bill Pmt -Check	02/04/2016	19192	PETTY CASH	2561-2573	1012 · Bank of America Gen'l Ckg	
Bill	02/01/2016	2561-2573		Purchase supplies for Board meetings	6312 · Meeting Expenses	36.50
				Purchase miscellaneous office supplies	6031.7 · Other Office Supplies	65.17
				Purchase supplies for field work	6151 · Small Tools & Equipment	26.99
				Mileage reimbursement for seminar	6192 · Seminars - General	37.80
				PK travel reimbursement	6191 · Conferences - General	38.26
				PK and A.Truong mtgs w/Appropriators	8312 · Meeting Expenses	80.92
				Purchase supplies for staff meeting	6141.1 · Meeting Supplies	15.99
TOTAL						301.63
Bill Pmt -Check	02/04/2016	19193	PRINTING RESOURCES	62854	1012 · Bank of America Gen'l Ckg	
Bill	01/28/2016	62854		Name plates-Thomas, Curatalo, Board Clerk	6031.7 · Other Office Supplies	92.02
TOTAL						92.02
Bill Pmt -Check	02/04/2016	19194	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
Bill	02/01/2016	1394905143		Annual Unfunded Accrued Liability	60180 · Employers PERS Expense	3,077.00
TOTAL						3,077.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2016

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	02/04/2016	19195	PURCHASE POWER	8000909000168851	1012 · Bank of America Gen'l Ckg	
Bill	01/28/2016	8000-9090-0016-8851		Charges	6042 · Postage - General	2.17
TOTAL						2.17
Bill Pmt -Check	02/04/2016	19196	RR FRANCHISING, INC.	17178	1012 · Bank of America Gen'l Ckg	
Bill	02/01/2016	17178		Monthly service charge for February 2016	6024 · Building Repair & Maintenance	740.00
TOTAL						740.00
Bill Pmt -Check	02/04/2016	19197	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg	
Bill	01/28/2016	00-101789-0001		Vision Insurance - February 2016	60182.2 · Dental & Vision Ins	85.60
TOTAL						85.60
Bill Pmt -Check	02/04/2016	19198	YUKON DISPOSAL SERVICE	08-K2 213849	1012 · Bank of America Gen'l Ckg	
Bill	02/01/2016	08-k2 213849		Disposal Service - February 2016	6024 · Building Repair & Maintenance	111.57
TOTAL						111.57
Bill Pmt -Check	02/04/2016	19199	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg	
Bill	12/31/2015	625989		625989	6078 · BHFS Legal - Miscellaneous	27,762.30
				625989	6907.42 · Safe Yield Recalculation	226.80
Bill	12/31/2015	625990		Alvarez-CalPERS	6073 · BHFS Legal - Personnel Matters	2,257.20
				Personnel	6073 · BHFS Legal - Personnel Matters	1,723.95
Bill	12/31/2015	625991		625991	8375 · BHFS Legal - Appropriative Pool	76.50
Bill	12/31/2015	625992		625992	8475 · BHFS Legal - Agricultural Pool	76.50
Bill	12/31/2015	625993		625993	8575 · BHFS Legal - Non-Ag Pool	76.50
Bill	12/31/2015	625994		625994	6071 · BHFS Legal - Court Coordination	267.75
Bill	12/31/2015	625995		625995	6907.39 · Recharge Master Plan	339.75
Bill	12/31/2015	625996		625996	6907.41 · Prado Basin Habitat Sustain	3,828.15
Bill	12/31/2015	625997		625997	6907.42 · Safe Yield Recalculation	38,025.90
				Expenses	6907.42 · Safe Yield Recalculation	44.13
TOTAL						74,705.43
Bill Pmt -Check	02/04/2016	19200	EUROFINS EATON ANALYTICAL		1012 · Bank of America Gen'l Ckg	
Bill	12/31/2015	L0243889		L0243889	7103.5 · Grdwtr Qual-Lab Svcs	1,476.00
Bill	12/31/2015	L0243891		L0243891	7103.5 · Grdwtr Qual-Lab Svcs	1,386.00
Bill	12/31/2015	L0243893		L0243893	7103.5 · Grdwtr Qual-Lab Svcs	2,014.00
Bill	12/31/2015	L0243894		L0243894	7103.5 · Grdwtr Qual-Lab Svcs	483.00
Bill	12/31/2015	L0243896		L0243896	7103.5 · Grdwtr Qual-Lab Svcs	1,386.00
Bill	12/31/2015	L0245660		L0245660	7108.41 · Hydraulic Control - PBHSP	2,732.00
Bill	12/31/2015	L0245766		L0245766	7108.41 · Hydraulic Control - PBHSP	2,732.00
Bill	12/31/2015	L0246665		L0246665	7108.41 · Hydraulic Control - PBHSP	2,732.00

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2016

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	12/31/2015	L0246666		L0246666	7108.41 · Hydraulic Control - PBHSP	3,988.00
TOTAL						18,929.00
Bill Pmt -Check	02/04/2016	19201	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill	12/31/2015	2015380		2015380	6906.32 · OBMP-Other General Meetings	4,790.48
Bill	12/31/2015	2015381		2015381	6906.74 · OBMP-Mat'l Phy. Injury Requests	1,460.00
Bill	12/31/2015	2015382		2015382	6906.71 · OBMP-Data Req.-CBWM Staff	14,215.10
Bill	12/31/2015	2015383		2015383	6906.72 · OBMP-Data Req.-Non CBWM Staff	538.25
Bill	12/31/2015	2015384		2015384	6906.23 · SGMA Reporting Requirements	1,415.50
Bill	12/31/2015	2015385		2015385	6906 · OBMP Engineering Services	2,033.75
Bill	12/31/2015	2015386		2015386	6906.1 · OBMP-Watermaster Model Update	48,323.50
Bill	12/31/2015	2015387		2015387	7103.3 · Grdwtr Qual-Engineering	2,130.93
Bill	12/31/2015	2015388		2015388	7104.3 · Grdwtr Level-Engineering	6,972.65
Bill	12/31/2015	2015389		2015389	7107.2 · Grd Level-Engineering	1,779.35
Bill	12/31/2015	2015390		2015390	7108.32 · HCMP - Adaptive Mgmt Plan	1,330.00
Bill	12/31/2015	2015391		2015391	7108.31 · Hydraulic Control - PBHSP	27,362.61
Bill	12/31/2015	2015392		2015392	7202.2 · Engineering Svc	2,868.75
Bill	12/31/2015	2015393		2015393	7402 · PE4-Engineering	536.25
Bill	12/31/2015	2015394		2015394	7402.10 · PE4 - MZ1 Pomona Project	17,983.05
Bill	12/31/2015	2015395		2015395	7502 · PE6&7-Engineering	3,868.50
Bill	12/31/2015	2015396		2015396	7602 · PE8&9-Engineering	14,536.00
TOTAL						152,144.67
Bill Pmt -Check	02/05/2016	ACH 020516	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	01/30/2016	02/05/2016	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 01/17/16-01/30/16	2000 · Accounts Payable	6,437.65
TOTAL						6,437.65
Bill Pmt -Check	02/12/2016	19202	ACWA JOINT POWERS INSURANCE AUTHORITY	0394835	1012 · Bank of America Gen'l Ckg	
Bill	02/08/2016	0394835		Prepayment - March 2016	1409 · Prepaid Life, BAD&D & LTD	135.13
				February 2016	60191 · Life & Disab.Ins Benefits	130.91
TOTAL						266.04
Bill Pmt -Check	02/12/2016	19203	BOWCOCK, ROBERT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/28/2016	1/28 Board Mtg		1/28/16 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	02/12/2016	19204	BOWMAN, JIM	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/28/2016	1/28 Board Mtg		1/28/16 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00

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CHINO BASIN WATERMASTER
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For Informational Purposes Only

<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
Bill Pmt -Check	02/12/2016	19205	CORELOGIC INFORMATION SOLUTIONS	81662009	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2016	81662009		81662009	7103.7 · Grdwtr Qual-Computer Svc	62.50
				81662009	7101.4 · Prod Monitor-Computer	62.50
TOTAL						125.00
Bill Pmt -Check	02/12/2016	19206	COSTCO WHOLESALE	7003-7309-1000-2744	1012 · Bank of America Gen'l Ckg	
Bill	01/29/2016	7003-7309-1000-2744		Miscellaneous office supplies	6031.7 · Other Office Supplies	78.15
TOTAL						78.15
Bill Pmt -Check	02/12/2016	19207	CURATALO, JAMES	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/28/2016	1/28 Board Mtg		1/28/16 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	02/12/2016	19208	DE BOOM, NATHAN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/14/2016	1/14 Ag Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/14/16 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
P80						
Bill Pmt -Check	02/12/2016	19209	DE HAAN, HENRY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/14/2016	1/14 Ag Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/14/16 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	02/12/2016	19210	ELIE, STEVEN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/04/2016	1/04 Admin Mtg		1/04/16 Administrative meeting w/PK	6311 · Board Member Compensation	125.00
Bill	01/21/2016	1/21 Personnel Comm		1/21/16 Personnel Committee Meeting	6311 · Board Member Compensation	125.00
Bill	01/28/2016	1/28 Board Mtg		1/28/16 Board Mtg	6311 · Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	02/12/2016	19211	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/06/2016	1/06 Mtg w/PK		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/06/16 Ag Pool business meeting w/Kavounas	8470 · Ag Meeting Attend -Special	100.00
Bill	01/14/2016	1/14 Ag Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/14/16 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/21/2016	1/21 Personnel Comm		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/21/16 Personnel Committee meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/28/2016	1/28 Board Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/28/16 Board Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						500.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2016

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<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
Bill Pmt -Check	02/12/2016	19212	HALL, PETE*	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/14/2016	1/14 Appro Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/14/16 Appropriative Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/14/2016	1/14 Non Ag Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/14/16 Non Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/14/2016	1/14 Ag Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/14/16 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/21/2016	1/21 RIPCom Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/21/16 RIPCom Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/28/2016	1/28 Board Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/28/16 Board Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						625.00
Bill Pmt -Check	02/12/2016	19213	HUITSING, JOHN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/14/2016	1/14 Ag Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/14/16 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	02/12/2016	19214	IPSWITCH, INC.	2015-166810	1012 · Bank of America Gen'l Ckg	
Bill	02/08/2016	2015-166810		1 year support for FTP Server	6055 · Computer Hardware	257.00
TOTAL						257.00
Bill Pmt -Check	02/12/2016	19215	OFFICE TEAM	44979135	1012 · Bank of America Gen'l Ckg	
Bill	01/29/2016	44979135		Week ending 1/29/16	6017.2 · Office Specialist Services	1,108.00
TOTAL						1,108.00
Bill Pmt -Check	02/12/2016	19216	PAYCHEX	2016012800	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2016	2016012800		January 2016	6012 · Payroll Services	507.61
TOTAL						507.61
Bill Pmt -Check	02/12/2016	19217	PIERSON, JEFFREY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/14/2016	1/14 Ag Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/14/16 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/28/2016	1/28 Board Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/28/16 Board meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						250.00
Bill Pmt -Check	02/12/2016	19218	PREMIERE GLOBAL SERVICES	20342573	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2016	20342573		WM coordination call on 1/04	6909.1 · OBMP Meetings	30.48

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2016

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Type	Date	Num	Name	Memo	Account	Paid Amount
				Board call w/Elie, Kavounas, Slater on 1/04	6312 · Meeting Expenses	10.57
				WM coordination call on 1/11	6909.1 · OBMP Meetings	26.48
				Safe Yield Reset call on 1/12	6906.73 · OBMP-Safe Yield Recalculation	29.49
				Pool mtgs check call on 1/13	8512 · Meeting Expense	6.18
				Pool mtgs check call on 1/13	8412 · Meeting Expenses	6.18
				Pool mtgs check call on 1/13	8312 · Meeting Expenses	6.18
				Non-Ag Pool mtg call on 1/14	8512 · Meeting Expense	36.62
				WM coordination call on 1/18	6909.1 · OBMP Meetings	21.49
				WM coordination call on 1/18	6909.1 · OBMP Meetings	6.14
				WM coordination call on 1/18	6909.1 · OBMP Meetings	6.15
				Volume Vote call on 1/19	6909.1 · OBMP Meetings	21.71
				WM coordination call on 1/25	6909.1 · OBMP Meetings	27.14
				Fee - Confidential	6022 · Telephone	49.00
				Fee - General	6022 · Telephone	49.00
				Service fee	6022 · Telephone	8.22
TOTAL						<u>341.03</u>
P 62						
Bill Pmt -Check	02/12/2016	19219	SANTA ANA RIVER WATER COMPANY	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/21/2016	1/21 Personnel Comm		1/21/16 Personnel Committee Meeting - Rodriguez	6311 · Board Member Compensation	125.00
TOTAL						<u>125.00</u>
Bill Pmt -Check	02/12/2016	19220	THOMAS, THOMAS R.	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/28/2016	1/28 Board Mtg		1/28/16 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						<u>125.00</u>
Bill Pmt -Check	02/12/2016	19221	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
Bill	01/29/2016	7076-2245-3035-5049		Fuel - January 2016	6175 · Vehicle Fuel	186.01
TOTAL						<u>186.01</u>
Bill Pmt -Check	02/12/2016	19222	VANDEN HEUVEL, GEOFFREY	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/28/2016	1/28 Board Mtg		1/28/16 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						<u>125.00</u>
Bill Pmt -Check	02/12/2016	19223	VANDEN HEUVEL, ROB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/14/2016	1/14 Ag Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/14/16 Ag Pool meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						<u>125.00</u>
Bill Pmt -Check	02/12/2016	19224	WESTERN MUNICIPAL WATER DISTRICT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/28/2016	1/28 Board Mtg		1/28/16 Board Meeting - Galleano	6311 · Board Member Compensation	125.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
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	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
TOTAL							125.00
	Bill Pmt -Check	02/12/2016	19225	HOGAN LOVELLS	2961520	1012 · Bank of America Gen'l Ckg	
	Bill	01/31/2016	2961520		Non-Ag Pool Legal Services - December 2015	8567 · Non-Ag Legal Service	4,346.55
TOTAL							4,346.55
	General Journal	02/13/2016	02/13/2016	Payroll and Taxes for 01/31/16-02/13/16	Payroll and Taxes for 01/31/16-02/13/16	1012 · Bank of America Gen'l Ckg	
					Direct Deposits for 01/31/16-02/13/16	1012 · Bank of America Gen'l Ckg	23,382.95
					Payroll Taxes for 01/31/16-02/13/16	1012 · Bank of America Gen'l Ckg	8,975.64
					Checks for 01/31/16-02/13/16	1014 · Bank of America P/R Ckg	983.27
				ICMA-RC	457(f) Employee Deductions for 01/31/16-02/13/16	1012 · Bank of America Gen'l Ckg	3,874.52
				ICMA-RC	401(a) Employee Deductions for 01/31/16-02/13/16	1012 · Bank of America Gen'l Ckg	1,200.05
TOTAL							38,416.43
	Bill Pmt -Check	02/19/2016	ACH 021916	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
	General Journal	02/13/2016	02/13/2016	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 01/31/16-02/13/16	2000 · Accounts Payable	6,470.32
TOTAL							6,470.32
	Bill Pmt -Check	02/23/2016	19226	BOWMAN, JIM	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	01/13/2016	1/13 Admin Mtg		1/13/16 Administrative Meeting w/PK	6311 · Board Member Compensation	125.00
TOTAL							125.00
	Bill Pmt -Check	02/23/2016	19227	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
	Bill	02/08/2016	1394905143		1394905143	60182.1 · Medical Insurance	10,370.88
TOTAL							10,370.88
	Bill Pmt -Check	02/23/2016	19228	CLEAN TECH SERVICES	5278	1012 · Bank of America Gen'l Ckg	
	Bill	02/17/2016	5278		Window cleaning, hard water spot removal	6024 · Building Repair & Maintenance	426.00
TOTAL							426.00
	Bill Pmt -Check	02/23/2016	19229	CUCAMONGA VALLEY WATER DISTRICT	Lease due March 1, 2016	1012 · Bank of America Gen'l Ckg	
	Bill	02/16/2016			Lease due March 1, 2016	1422 · Prepaid Rent	6,371.16
TOTAL							6,371.16
	Bill Pmt -Check	02/23/2016	19230	DE BOOM, NATHAN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	01/21/2016	1/21 Advisory Comm		Ag Pool Member Compensation	8411 · Compensation	25.00
					1/21/16 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL							125.00
	Bill Pmt -Check	02/23/2016	19231	EGOSCUE LAW GROUP	11143	1012 · Bank of America Gen'l Ckg	

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2016

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	01/31/2016	11143		Ag Pool Legal Services - January 2016	8467 · Ag Legal & Technical Services	41,732.50
TOTAL						41,732.50
Bill Pmt -Check	02/23/2016	19232	ELIE, STEVEN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/21/2016	1/21 Advisory Comm		1/21/16 Advisory Committee Meeting	6311 · Board Member Compensation	125.00
Bill	01/26/2016	1/26 Admin Mtg		1/26/2016 Administrative Meeting w/PK	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	02/23/2016	19233	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/21/2016	1/21 Advisory Comm		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/21/16 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	02/23/2016	19234	GALAXY AUDIO VISUAL	1206	1012 · Bank of America Gen'l Ckg	
Bill	02/08/2016	1206		Board room handheld microphones	6055 · Computer Hardware	2,547.77
TOTAL						2,547.77
Bill Pmt -Check	02/23/2016	19235	HALL, PETE*	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/21/2016	1/21 Advisory Comm		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/21/16 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	02/23/2016	19236	KAVOUNAS, PETER	Travel Expense Reimbursement	1012 · Bank of America Gen'l Ckg	
Bill	02/16/2016			Travel-GRA SGMA Event-Davis, CA	6171.1 · GM - Reimbursement	467.64
				Meals-GRA SGMA Event-Davis, CA	6191 · Conferences - General	32.66
TOTAL						500.30
Bill Pmt -Check	02/23/2016	19237	KUHN, BOB	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/14/2016	1/14 Appro Pool Mtg		1/14/16 Appropriative Pool Meeting	6311 · Board Member Compensation	125.00
Bill	01/18/2016	1/18 Admin Mtg		1/18/16 Administrative Meeting w/PK	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	02/23/2016	19238	LEGAL SHIELD	0111802	1012 · Bank of America Gen'l Ckg	
Bill	02/17/2016	0111802		Employee deductions - February 2016	60194 · Other Employee Insurance	51.80
TOTAL						51.80
Bill Pmt -Check	02/23/2016	19239	OFFICE DEPOT		1012 · Bank of America Gen'l Ckg	
Bill	02/06/2016	822785957001		Miscellaneous office supplies	6031.7 · Other Office Supplies	35.29
Bill	02/08/2016	822785294001		Miscellaneous office supplies	6031.7 · Other Office Supplies	21.14
Bill	02/08/2016	822785956001		Miscellaneous office supplies	6031.7 · Other Office Supplies	12.93

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

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						69.36
Bill Pmt -Check	02/23/2016	19240	PIERSON, JEFFREY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/21/2016	1/21 Advisory Comm		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/21/16 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/21/2016	1/21 RIPCom Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/21/16 RIPCom meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						250.00
Bill Pmt -Check	02/23/2016	19241	PITNEY BOWES CREDIT CORPORATION	6684246	1012 · Bank of America Gen'l Ckg	
Bill	02/17/2016	6684246		Postage meter lease	6044 · Postage Meter Lease	402.85
TOTAL						402.85
Bill Pmt -Check	02/23/2016	19242	PRINTING RESOURCES	62891	1012 · Bank of America Gen'l Ckg	
Bill	02/09/2016	62891		Business cards - A. Truong, R. Zapien	6031.7 · Other Office Supplies	151.71
TOTAL						151.71
Bill Pmt -Check	02/23/2016	19243	RON SHELLEY'S AUTOMOTIVE		1012 · Bank of America Gen'l Ckg	
Bill	02/11/2016	7951		Maintenance for F-150	6177 · Vehicle Repairs & Maintenance	193.91
Bill	02/16/2016	7986		Maintenance for 2001 Dakota	6177 · Vehicle Repairs & Maintenance	68.35
TOTAL						262.26
Bill Pmt -Check	02/23/2016	19244	STAPLES BUSINESS ADVANTAGE	8037946377	1012 · Bank of America Gen'l Ckg	
Bill	02/06/2016	8037946377		Miscellaneous office supplies	6031.7 · Other Office Supplies	127.00
TOTAL						127.00
Bill Pmt -Check	02/23/2016	19245	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	
Bill	02/16/2016				60182.4 · Retiree Medical	23.62
TOTAL						23.62
Bill Pmt -Check	02/23/2016	19246	THOMAS, THOMAS R.	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/26/2016	1/26 Admin Mtg		1/26/16 Administrative Meeting w/PK	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	02/23/2016	19247	VANDEN HEUVEL, ROB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/19/2016	1/19 Call Vol Vote		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/19/16 Conference Call re Volume Votes	8470 · Ag Meeting Attend -Special	100.00
Bill	01/21/2016	1/21 Advisory Comm		Ag Pool Member Compensation	8411 · Compensation	25.00
				1/21/16 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						250.00

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

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	02/23/2016	19248	VERIZON	012519128144592510	1012 · Bank of America Gen'l Ckg	
Bill	02/17/2016	012519128144592510		012519128144592510	6022 · Telephone	132.09
TOTAL						132.09
Bill Pmt -Check	02/23/2016	19249	VERIZON WIRELESS	9759944834	1012 · Bank of America Gen'l Ckg	
Bill	02/16/2016	9759944834		9759944834	6022 · Telephone	390.37
TOTAL						390.37
Bill Pmt -Check	02/24/2016	19250	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2016	XXXX-XXXX-XXXX-9341		Purchase book "Scaling Up" for GM	6031.7 · Other Office Supplies	19.04
				Purchase USB wall charger/plug for CFO phone	6031.7 · Other Office Supplies	12.41
				Purchase USB cable for CFO phone	6031.7 · Other Office Supplies	8.63
				Purchase data cable for CFO phone	6031.7 · Other Office Supplies	6.95
				Purchase miscellaneous office supplies	6031.7 · Other Office Supplies	95.91
				Purchase copy paper	6031.1 · Copy Paper	127.96
				Purchase shirts w/logo for new field staff	6154 · Uniforms	306.06
				Send legal docs to Stradling Yocca Carlson Rauth	6042 · Postage - General	54.98
				Purchase vehicle batteries for WM trucks	6177 · Vehicle Repairs & Maintenance	283.47
				Purchase miscellaneous office supplies	6031.7 · Other Office Supplies	60.96
				Purchase copy paper	6031.1 · Copy Paper	159.95
				Mail legal filings-from 2/1/16 to board, pool chairs	6042 · Postage - General	147.95
				Purchase Adobe Acrobat upgrade software	6054 · Computer Software	199.00
				Service call: check/adjust boardroom microphones	6024 · Building Repair & Maintenance	250.00
				License for FTP server support & implementation	6054 · Computer Software	1,330.00
				Service call: reset voltage controller in boardroom	6024 · Building Repair & Maintenance	250.00
				PK breakfast for meeting in Sacramento	6191 · Conferences - General	7.90
				Airport parking-PK-attend meeting in Sacramento	6191 · Conferences - General	18.00
				Deposit hold-2/17/16 Vistage Mtg. hosted by PK	6191 · Conferences - General	175.00
				PK meeting w/Ontario - J. Bowman, S. Burton	6312 · Meeting Expenses	59.25
				PK meeting w/B. Kuhn, D. DeJesus	6312 · Meeting Expenses	25.80
				PK meeting w/J. Grindstaff IEUA	8312 · Meeting Expenses	31.16
				Lunch for management between meetings	6141.3 · Admin Meetings	65.08
				PK meeting w/Upland - T. Thomas, R. Hoerning	6312 · Meeting Expenses	51.79
				Photographer-new Board members, Pool Chairs	6147 · Other Admin Expenses	350.00
				Lunch for management for court filing coordination	6141.3 · Admin Meetings	25.88
				PK meeting w/B. DiPrimio	6909.1 · OBMP Meetings	25.47
				Reg.-Nakano, Yoo-2/17/2016 AGWA-AGWT Conf.	6193.2 · Conference - Registration Fee	420.00
				Reg.-Zapien-2/17/2016 AGWA-AGWT Conference	6193.2 · Conference - Registration Fee	195.00
				Final payment-2/17/16 Vistage mtg. hosted by PK	6191 · Conferences - General	634.18

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

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						5,397.78
Bill Pmt -Check	02/24/2016	19251	GREAT AMERICA LEASING CORP.	18306494	1012 · Bank of America Gen'l Ckg	
Bill	02/23/2016	18306494		Invoice	6043.1 · Ricoh Lease Fee	3,285.29
TOTAL						3,285.29
Bill Pmt -Check	02/24/2016	19252	PRINTING RESOURCES	62890	1012 · Bank of America Gen'l Ckg	
Bill	02/15/2016	62890		Name badge: A. Truong w/new title	6031.7 · Other Office Supplies	46.22
TOTAL						46.22
Bill Pmt -Check	02/24/2016	19253	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	02/23/2016	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	741.75
TOTAL						741.75
Bill Pmt -Check	02/24/2016	19254	STAPLES BUSINESS ADVANTAGE	8038039289	1012 · Bank of America Gen'l Ckg	
Bill	02/23/2016	8038039289		Miscellaneous office supplies	6031.7 · Other Office Supplies	72.58
TOTAL						72.58
P87 Bill Pmt -Check	02/24/2016	19255	STATE COMPENSATION INSURANCE FUND	1970970-15	1012 · Bank of America Gen'l Ckg	
Bill	03/01/2016	1970970-15		1970970-15	60183 · Worker's Comp Insurance	961.58
TOTAL						961.58
Bill Pmt -Check	02/24/2016	19256	UNITED HEALTHCARE	039900535	1012 · Bank of America Gen'l Ckg	
Bill	02/23/2016	0039900535		Dental Insurance - March 2016	60182.2 · Dental & Vision Ins	833.15
TOTAL						833.15
Bill Pmt -Check	02/24/2016	19257	VANDEN HEUVEL, GEOFFREY	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/14/2016	1/14 Ag Pool Mtg		1/14/2016 Ag Pool Annual Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	02/24/2016	19258	VERIZON	642013270-00001	1012 · Bank of America Gen'l Ckg	
Bill	02/23/2016	642073270-00001		642013270-00001	7103.7 · Grdwtr Qual-Computer Svc	100.04
TOTAL						100.04
General Journal	02/27/2016	02/27/2016	Payroll and Taxes for 02/14/16-02/27/16	Payroll and Taxes for 02/14/16-02/27/16	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 02/14/16-02/27/16	1012 · Bank of America Gen'l Ckg	19,956.47
				Payroll Checks for 02/14/16 - 02/27/16	1012 · Bank of America Gen'l Ckg	15,830.28
				Payroll Taxes for 02/14/16-02/27/16	1012 · Bank of America Gen'l Ckg	14,602.44
			ICMA-RC	457(f) Employee Deductions for 02/14/16-02/27/16	1012 · Bank of America Gen'l Ckg	3,934.20
			ICMA-RC	401(a) Employee Deductions for 02/14/16-02/27/16	1012 · Bank of America Gen'l Ckg	1,228.88

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2016

For Informational Purposes Only

	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
TOTAL							55,552.27
	General Journal	02/29/2016	02/29/2016	Wage Works FSA Direct Debits - Feb. 2016	Wage Works FSA Direct Debits - Feb. 2016	1012 · Bank of America Gen'l Ckg	
					Wage Works FSA Direct Debits - Feb. 2016	1012 · Bank of America Gen'l Ckg	81.50
					Wage Works FSA Direct Debits - Feb. 2016	1012 · Bank of America Gen'l Ckg	692.14
					Wage Works FSA Direct Debits - Feb. 2016	1012 · Bank of America Gen'l Ckg	692.14
TOTAL							<u>1,465.78</u>
						Total Disbursements:	<u><u>451,095.11</u></u>

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CHINO BASIN WATERMASTER

IV. INFORMATION

2. Recharge Investigations and Projects Committee (RIPCom)

Recharge Investigations and Projects

Committee Meeting

Agenda

When: Thursday, February 18, 2016 @ 9:30 a.m.

Where: Chino Basin Watermaster
9641 San Bernardino Rd.
Rancho Cucamonga, CA 91730

Topics:

1. Introductions
2. New Project consideration
 - a) Open forum for potential new projects
3. IEUA/CBWM joint projects
 - a) Status updates
 - i. East Declerz Subsurface Investigation
 - b) Budget updates
4. RMPU Financing Plan
 - a) Status updates
5. RMPU Implementation updates
 - a) Sustainability projects
 - i. Vulcan Pit
 - b) Contact with sand and gravel companies
 - c) AP New Yield and cost allocation agreement
 - d) Flood Control and water conservation agreement
 - e) Agreement with property owners
 - f) MS4

Next Meeting Date: Thursday, March 17, 2016 @ 9:30 A.M.

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Recharge Investigation and Projects Committee, PAGE 1 OF 2

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Project Name	Project Status	Anticipated (Or Actual) Project Completion Date	Project Cost To Date	TOTAL PROJECT BUDGET			PERCENT COST SHARE		Lifetime of Project BUDGET ALLOCATION			IEUA PROJECT COSTS		CBWM PROJECT COSTS		
				Original Budget	Proposed Revised Budget	Approved Revised Budget	IEUA	CBWM	Grant Funding	IEUA	CBWM	Actual Cost To Date	Remaining Balance Available (Based on Project Budget)	Actual Share (Based on Actual Cost To Date)	Invoices Paid To Date	Remaining Balance Available (Based on Project Budget)
Pre-RMPU Ongoing Projects																
GWR SCADA Upgrades (Task No. 4) ³	Design	2/14/2017	\$ 162,479	\$ 892,000	\$ -	\$ 892,000	50%	50%	\$ 139,650	\$ 376,175	\$ 421,875	\$ 68,521	\$ 307,654	\$ 68,521	\$ 56,514	\$ 365,361
COMMUNICATION Upgrades (Task No. 3)	Construction	2/12/2016	\$ 1,122,293	\$ 1,245,000	\$ -	\$ 1,245,000	50%	50%	\$ 192,850	\$ 526,075	\$ 526,075	\$ 474,225	\$ 51,850	\$ 474,225	\$ 97,034	\$ 429,041
CB20 Noise Mitigation (CBFIP Phase II Agreement)	Construction	2/17/2016	\$ 143,418	\$ 160,000	\$ -	\$ 160,000	50%	50%	\$ -	\$ 80,000	\$ 80,000	\$ 71,709	\$ 8,291	\$ 71,709	\$ 25,208	\$ 54,792
Upper Santa Ana River Habitat Conservation Plan (Task No. 7)	Evaluation	6/30/2017	\$ 36,410	\$ 160,000	\$ -	\$ 160,000	50%	50%	\$ -	\$ 80,000	\$ 80,000	\$ 18,205	\$ 61,795	\$ 18,205	\$ -	\$ 80,000
East Declerz Basin (Task No. 1)	Pre-Design	12/29/2017	\$ 137,618	\$ -	\$ -	\$ 3,665,000	-	100%	\$ -	\$ -	\$ 3,665,000	\$ -	\$ -	\$ 137,618	\$ -	\$ 3,665,000
SUBTOTAL PRE-RMPU PROJECTS	---	---	\$ 1,602,218	\$ 2,457,000	\$ -	\$ 6,122,000	---	---	\$ 332,500	\$ 1,062,250	\$ 4,772,950	\$ 632,660	\$ 429,590	\$ 770,278	\$ 178,756	\$ 4,594,194
RMPU Projects																
San Sevaime Improvements (Task No. 8)	Design	7/5/2017	\$ 342,868	\$ 2,500,000	\$ -	\$ 6,460,000 *	50%	50%	\$ 1,125,000	\$ 2,667,500	\$ 2,667,500	\$ 141,579	\$ 2,525,921	\$ 141,579	\$ 111,118	\$ 2,556,382
2013 RMPU Amendment Yield Enhancement Projects (Task No. 1)	Pre-Design	12/29/2017	\$ 135,505	\$ 8,122,500	\$ -	\$ 3,825,500 **	7%	93%	\$ -	\$ 250,250	\$ 3,575,250	\$ 8,864	\$ 241,386	\$ 126,641	\$ -	\$ 3,575,250
Lower Day Basin RMPU Improvement Project (Task No. 2)	Pre-Design	1/5/2018	\$ 167,354	\$ 2,480,000	\$ -	\$ 2,480,000	0%	100%	\$ 1,125,000	\$ -	\$ 1,355,000	\$ -	\$ -	\$ 91,437	\$ 96,254	\$ 1,258,746
2013 RMPU Amendment Yield Enhancement Projects Construction	Pending - Note ¹	6/30/2020	\$ -	\$ -	\$ 38,622,500	\$ -	0%	100%	\$ -	\$ -	\$ 38,622,500	\$ -	\$ -	\$ -	\$ -	\$ 38,622,500
2013 RMPU Amendment - Victoria Basin Construction	Pending - Note ²	6/30/2019	\$ -	\$ -	\$ 130,000	\$ -	50%	50%	\$ -	\$ 65,000	\$ 65,000	\$ -	\$ 65,000	\$ -	\$ -	\$ 65,000
2013 RMPU Amendment - RP-3 Construction	Pending - Note ²	6/30/2020	\$ -	\$ -	\$ 3,300,000	\$ -	50%	50%	\$ -	\$ 1,650,000	\$ 1,650,000	\$ -	\$ 1,650,000	\$ -	\$ -	\$ 1,650,000
SUBTOTAL RMPU PROJECTS	---	---	\$ 645,727	\$ 13,102,500	\$ 42,052,500	\$ 12,765,500	---	---	\$ 2,250,000	\$ 4,632,750	\$ 47,935,250	\$ 150,443	\$ 4,482,307	\$ 359,657	\$ 207,372	\$ 47,727,878
GRAND TOTALS	---	---	\$ 2,247,945	\$ 15,559,500	\$ 42,052,500	\$ 18,887,500	---	---	\$ 2,582,500	\$ 5,695,000	\$ 52,708,200	\$ 783,103	\$ 4,911,897	\$ 1,129,935	\$ 386,128	\$ 52,322,072

NOTES:
 * The total design cost of \$3,665,000 is part of the total approved budget as stated within the first amendment to Task Order No. 1. However the full design for East Declerz will not be implemented until the initial pre-design report is completed and accepted by both IEUA and CBWM
 ** The total design cost of \$3,825,500 is a part of the total approved budget as stated within the first amendment to Task Order No. 1.
¹ Pending project awaiting evaluation by IEUA. Project has not been funded by an approved Task Order or approved by the Watermaster Board. 100% of construction costs are allocated to Watermaster.
² Project(s) are under review by IEUA. Projects have not been funded by an approved Task Order or approved by the Watermaster Board. Project construction costs are allocated 50% to IEUA and 50% to Watermaster.
³ Watermaster Board approved an additional amount of \$45,700 (50% of the anticipated additional costs of \$91,400) on November 25, 2014 for the Programmable Logic Controller (PLC) replacements at the five Rubber Dam/Basin Systems.

Recharge Investigation and Projects Committee, PAGE 2 OF 2

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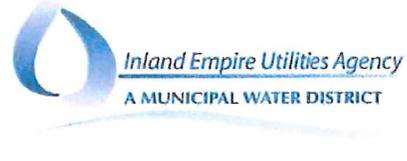
Project Name	CBWM Fiscal Year 2015/16										CBWM Future Years				
	CURRENT YEAR CBWM BUDGET				CURRENT YEAR CBWM ACTUALS						CBWM FUTURE BUDGET NEEDS				
	Budget Carry-Over	Approved Budget	Budget Amendments/ Transfers	Total Fiscal Year Budget	Actual to Date (Including Paid & Outstanding Invoices)	Remaining Balance Available	Completed Projects With Available Funds To Be Distributed ¹	CBWM Remaining Projected Costs	Budget Amendment Required? (Yes/No)	Projected CarryOver Funds FY 2016/17	Fiscal Year 2016/17	Fiscal Year 2017/18	Fiscal Year 2018/19	Fiscal Year 2019/20	
Pre RMPU Ongoing Projects															
GWR SCADA Upgrades (7690.61) (Task No. 4)	\$ 383,200	\$ 38,675	\$ -	\$ 421,875	\$ 56,514	\$ 365,361	\$ -	\$ 365,361	No	\$ -	\$ -	\$ -	\$ -	\$ -	
COMMUNICATION Upgrades (7690.62) (Task No. 3)	\$ 547,500	\$ (21,425)	\$ -	\$ 526,075	\$ 97,034	\$ 429,041	\$ -	\$ 429,041	No	\$ -	\$ -	\$ -	\$ -	\$ -	
CB20 Noise Mitigation (7690.5)	\$ 80,000	\$ -	\$ -	\$ 80,000	\$ 25,208	\$ 54,792	\$ -	\$ 54,792	No	\$ -	\$ -	\$ -	\$ -	\$ -	
Upper Santa Ana River Habitat Conservation Plan (7690.7) (Task No. 7)	\$ 75,000	\$ 5,000	\$ -	\$ 80,000	\$ -	\$ 80,000	\$ -	\$ 80,000	No	\$ -	\$ -	\$ -	\$ -	\$ -	
East Decler Basin (Task No. 1)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	\$ -	\$ 1,550,000	\$ 2,115,000	\$ -	\$ -	
Wineville Proof of Concept (7209.2) (Task No. 6) COMPLETED	\$ 35,398	\$ -	\$ -	\$ 35,398	\$ -	\$ -	\$ 35,398	\$ -	No	\$ -	\$ -	\$ -	\$ -	\$ -	
Jurupa Pump Station (7209.1) (Task No. 5) COMPLETED	\$ 37,981	\$ -	\$ -	\$ 37,981	\$ -	\$ -	\$ 37,981	\$ -	No	\$ -	\$ -	\$ -	\$ -	\$ -	
Hickory Basin (7690.3) COMPLETED	\$ 3,877	\$ -	\$ -	\$ 3,877	\$ -	\$ -	\$ 3,877	\$ -	No	\$ -	\$ -	\$ -	\$ -	\$ -	
SUBTOTAL PRE-RMPU PROJECTS	\$ 1,162,956	\$ 22,250	\$ -	\$ 1,185,206	\$ 178,756	\$ 929,194	\$ 77,256	\$ 929,194	No	\$ -	\$ 1,550,000	\$ 2,115,000	\$ -	\$ -	
RMPU Projects															
San Sevaine Improvements (7690.4) (Task No. 8)	\$ 475,000	\$ 1,126,900	\$ -	\$ 1,601,900	\$ 111,118	\$ 1,490,782	\$ -	\$ 1,490,782	No	\$ -	\$ 1,065,600	\$ -	\$ -	\$ -	
2013 RMPU Amendment Yield Enhancement Projects (7690.15) (Task No. 1)	\$ -	\$ 569,750	\$ -	\$ 569,750	\$ -	\$ 569,750	\$ -	\$ 569,750	No	\$ -	\$ 1,550,000	\$ 1,455,500	\$ -	\$ -	
Lower Day Basin RMPU Improvement Project (7690.8) (Task No. 2)	\$ 49,000	\$ 140,000	\$ -	\$ 189,000	\$ 96,254	\$ 92,746	\$ -	\$ 92,746	No	\$ -	\$ 140,000	\$ 1,026,000	\$ -	\$ -	
2013 RMPU Amendment Yield Enhancement Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	\$ -	\$ -	\$ 8,300,000	\$ 22,022,500	\$ 8,300,000	
Victoria Basin Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	\$ -	\$ -	\$ 32,500	\$ 32,500	\$ -	
RP-3 Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	\$ -	\$ -	\$ 325,000	\$ 825,000	\$ 500,000	
SUBTOTAL RMPU PROJECTS	\$ 524,000	\$ 1,836,650	\$ -	\$ 2,360,650	\$ 207,372	\$ 2,153,278	\$ -	\$ 2,153,278	---	\$ -	\$ 2,755,600	\$ 11,139,000	\$ 22,880,000	\$ 8,800,000	
GRAND TOTALS	\$ 1,686,956	\$ 1,858,900	\$ -	\$ 3,545,856	\$ 386,128	\$ 3,082,472	\$ 77,256	\$ 3,082,472	---	\$ -	\$ 4,305,600	\$ 13,254,000	\$ 22,880,000	\$ 8,800,000	

NOTES:
¹ \$77,256 of the Carry-Over funds could be (1) allocated to other projects; (2) kept in reserve; or (3) refunded to the Appropriators on the next Assessment. Wineville Project of \$35,398; Jurupa Pump Station of \$37,981; and Hickory Basin of \$3,877 = \$77,256.

Non-RMP Ongoing Projects



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**GWR SCADA UPGRADES
PROJECT NO. EN14047
STATUS UPDATE: February 01, 2016**

During Inland Empire Utilities Agency’s asset review of the existing Supervisory Control & Data Acquisition (SCADA) system, a thorough and comprehensive evaluation of the recycled water and groundwater recharge control system was conducted. A Master Plan was developed; and it recommended critical upgrades to the RW and GWR SCADA systems. The purpose of this project is to provide control system improvements to sustain and support the continued growth of the RW and GWR programs. Under this project, five recharge basins which operate a rubber dam system will be replaced with newer, reliable and fully supported programmable logic controllers (PLCs). The current PLCs are outdated and lack critical product and technical support. The upgrade will extend the site’s reliability by 10 years and provide the initial development model when transitioning other sites to newer controllers.

Schedule:

<u>Project Budget</u>	<u>Actual Cost to Date</u>
\$892,000	\$162,479

<u>Phase</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Project Development	11/11/11	02/24/14	Completed	\$450	\$422
Design	02/26/14	01/15/16	Completed	\$162,000	\$161,797
Permits	09/12/14	01/15/16	Completed	\$50	\$42
Bid and Award	01/18/16	04/20/16	In Progress	\$1550	\$218
Construction	03/17/16	02/14/17	Not Started	\$727,950	-
				<u>\$892,000</u>	<u>\$162,479</u>

Grant/Loan Update:

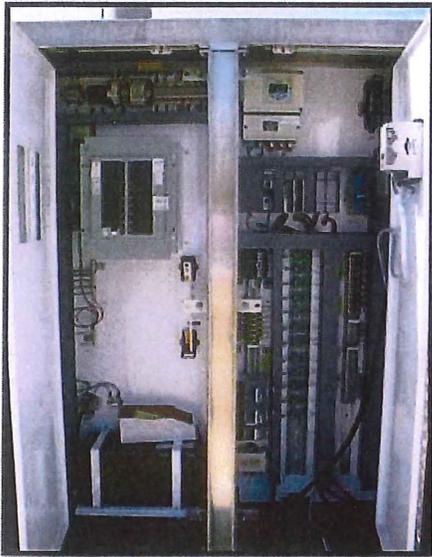
Awarded a \$139,650 grant and a 1% interest 30-year loan at \$740,145 from the Santa Ana Project Water Authority and Clean Water State Revolving Fund loan program respectively.

Cost Sharing Document: Task Order No. 4 of the Master Agreement of 2014

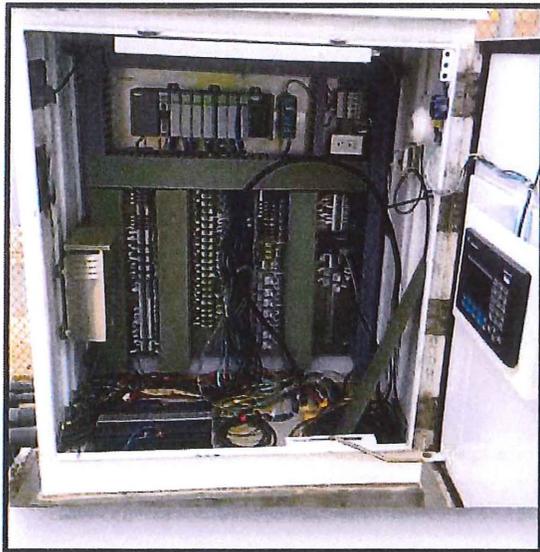
Project Update:

On January 14, 2016 staff released the final design document for public bidding through IEUA’s pre-qualified contractors. A job walk was conducted on January 28th, and five contracting companies attended. Bids will close on February 25, 2016. Since IEUA’s next Board meeting is in April, the project schedule was pushed out one month. This will have no impact to the project budget. Project completion is scheduled for February 2017.

Project Photos:



San Sevaine Turnout control panel



Turner Basin control panel



**COMMUNICATION UPGRADES
PROJECT NO. EN12019
STATUS UPDATE: February 01, 2016**

This project will transition the communication equipment within the remote GWR and RW sites (totaling over 20 sites) onto the new, faster and more reliable communication network. The upgrade will replace the radio equipment for each site and add several new communication towers to send all communication onto the Agency's new 18GHz Motorola network back-haul. The Communication System Upgrades Project proposes to upgrade all GWR remote sites to the new communication radio systems. Each site will be equipped with new antennas and radios. The proposed plan to include new towers at select sites will be deferred and planned for later capital projects because these sites do not require immediate remote communication and control.

Schedule:

<u>Project Budget</u>	<u>Actual Cost to Date</u>
\$1,245,000	\$1,122,293

<u>Phase</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Project Development	11/11/11	01/17/14	Completed	\$5,771	\$5,771
Pre-Design	01/20/14	11/27/14	Completed	\$130,000	\$130,000
RFP/Solicitation	11/30/14	03/18/15	Completed	\$44,000	\$44,000
Design/Construction	03/19/15	02/12/16	In Progress	\$1,065,229	\$942,522
				\$1,245,000	\$1,122,293

Grant/Loan Update:

Awarded a \$192,850 grant and a 1% interest 30-year loan at \$1,022,105 from the Clean Water State Revolving Fund loan program, as part of the Proposition 50 grant program, and a Department of Water Resources Proposition 84 grant program through The Santa Ana Project Water Authority.

Cost Sharing Document: Task Order No. 3 of the Master Agreement of 2014

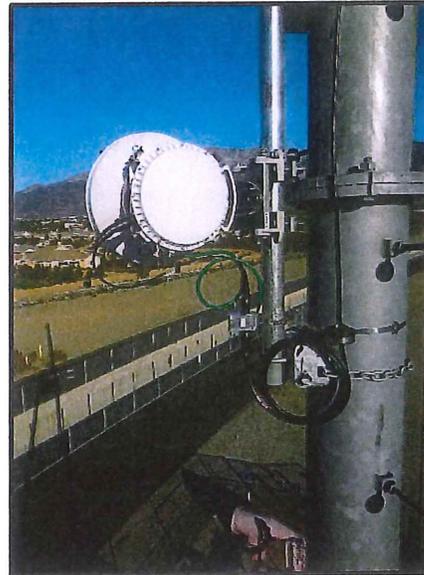
Project Update:

On January 4, Sun Wireless, the design/build contractor, completed all installation and testing of the new radios. Construction phase is completed, and work is currently in the project acceptance and closeout phase. Construction Management staff is coordinating final closeout documents and addressing minor performance issues with a single radio site.

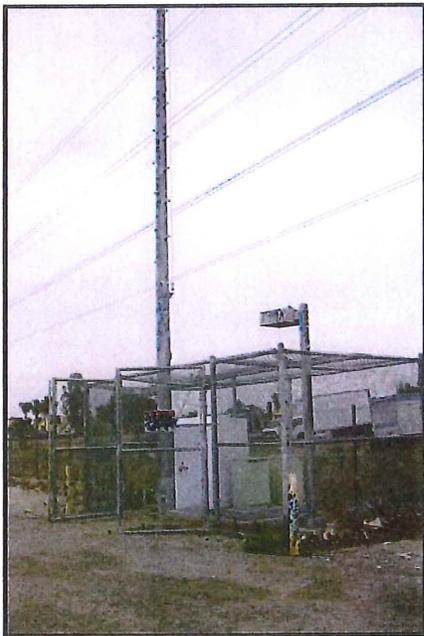
Project Photos:



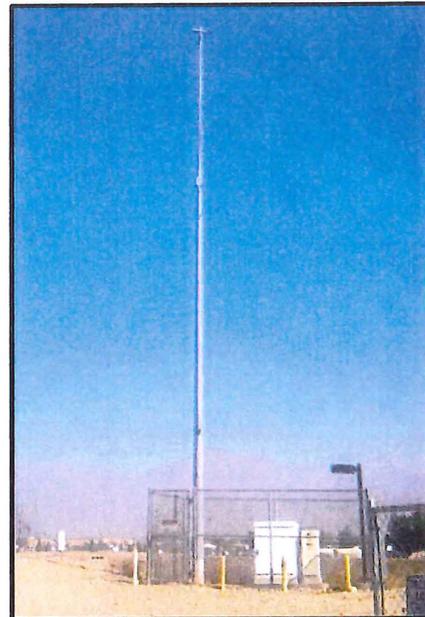
6B Tower – New Receiving Dishes



San Sevaine Basin – New Radio Dish



Declez Basin – Pole and Control Panel



Montclair Basin – Pole and Control Panel



**CB20 NOISE MITIGATION
PROJECT NO. EN14038
STATUS UPDATE: February 01, 2016**

In 2010, a recharge basin turnout structure was constructed within the Metropolitan Water District’s right-of-way in the residential area of the City of Upland. The turnout was to provide immediate access to available raw water for the purpose of groundwater storage. The Noise Mitigation Project is to reduce the impact of operating noise to the surrounding residences. Current sound studies reveal the facility generates noise levels above the allowable limits permitted by Upland’s Ordinances. As a public service effort, IEUA and Chino Basin Watermaster initiated a capital project to design and build a sound enclosure by a qualified sound specialist. The objective is to maintain compliance with City Ordinance and reduce the impact of noise to nearby residents.

Schedule:

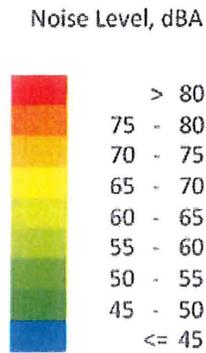
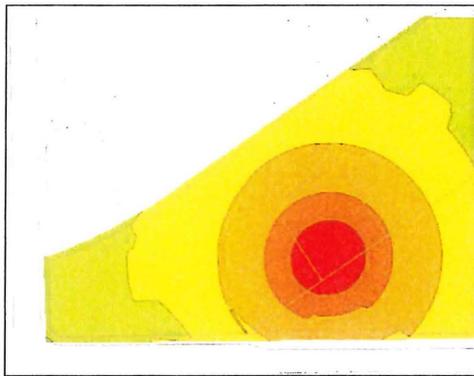
	<u>Project Budget</u>		<u>Actual Cost to Date</u>		
	\$160,000		\$143,418		
<u>Phase</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Project Development	09/25/13	01/23/14	Completed	\$200	\$182
Design	01/24/14	11/26/14	Completed	\$29,000	\$28,850
Construction	11/30/14	02/17/16	In Progress	\$130,800	\$114,386
				\$160,000	\$143,418

Cost Sharing Document: CBFIP, Phase II Cost Sharing Agreement of 2006

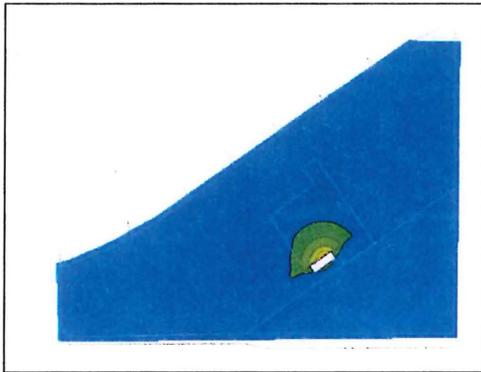
Project Update:

The installation of the sound enclosure is completed. IEUA staff is scheduled to perform a field test of the sound enclosure on February 17, 2016. This will complete the project if results meets performance requirements.

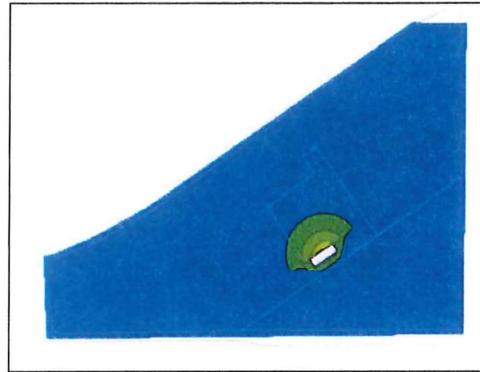
Results of sound modeling to confirm the proposed enclosure will meet project goal:



Noise level at 1st level without mitigation

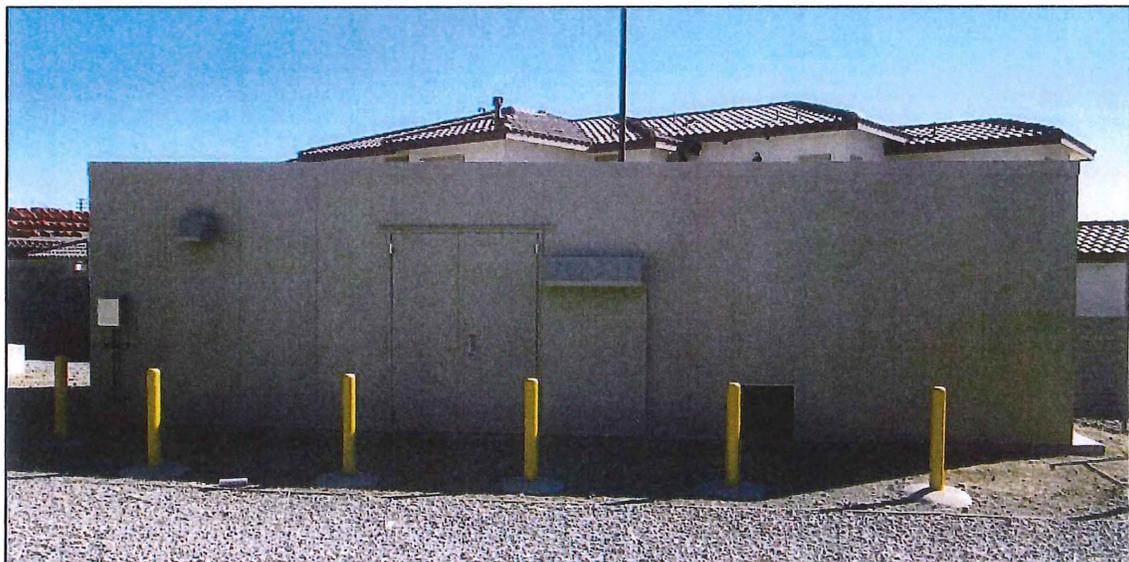


Noise level at 1st level with mitigation



Noise level at 2nd level with mitigation

Project Photo:



Completed installation of sound enclosure (facing south)



**UPPER SANTA ANA RIVER WATERSHED HABITAT CONSERVATION PLAN
PROJECT NO. RW15002
STATUS UPDATE: February 01, 2016**

The purpose of the Habitat Conservation Plan (HCP) is to investigate and develop a plan to offset the biological impact of future water and recharge improvement projects in the Chino Basin area that have the potential to affect federally-listed endangered, threatened or special status species. This project will be a part of a regional plan with other proposed projects within the Upper Santa Ana River Region. The goal of the project is to identify, in advance, sites that may require biological offset/mitigation and avoid permitting delays on future RMPU projects or other identified recharge improvement projects.

Schedule:

<u>Project Budget</u>	<u>Actual Cost to Date</u>
\$160,000	\$36,410

<u>Phase</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Investigate/Plan	07/01/14	06/30/17	In Progress	\$160,000	\$36,410
				\$160,000	\$36,410

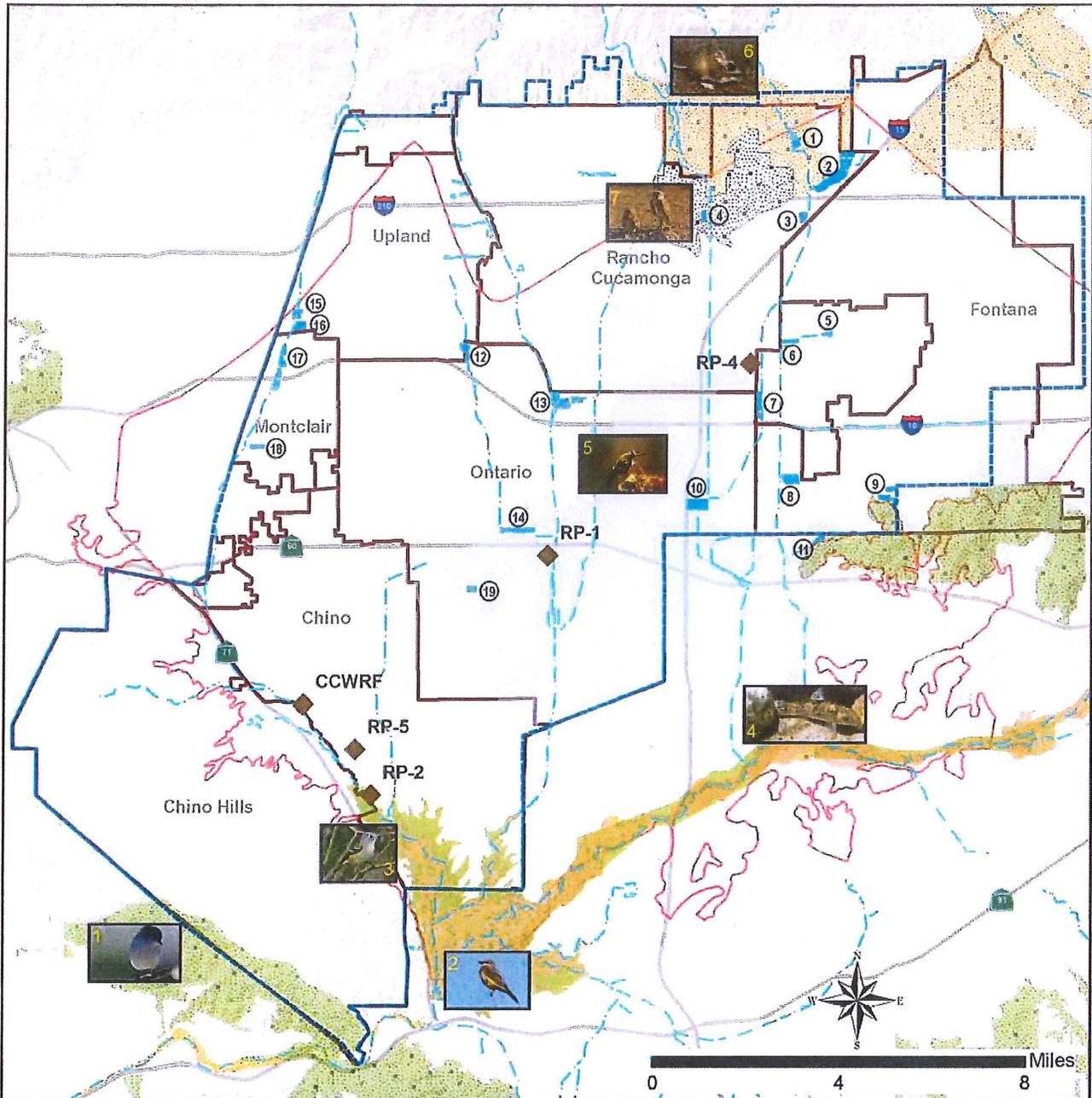
Cost Sharing Document: Task Order No. 7 of the Master Agreement of 2014

Project Update:

The HCP team has completed Phase 1. Phase 2, which is the hydraulic impact modeling, is in progress. The expected completion of this phase will be in February 2016. Engineering staff is currently supporting the team to outline temporary and permanent impacts due to design. This will be used within the model. The following table is part of the list of considered projects that are part of the RMPU:

<u>RMPU Projects</u>	<u>Location</u>	<u>Potential Species</u>
PID - 19a	Wineville Basin	DSF
PID - 12	Lower Day Basin	SBKR,CAGN,BUOW
PID - 7	San Sevaine Basins (1-5)	SBKR
PID - 11	Victoria Basin	SBKR
PID - 2	Montclair Basins (1-3)	CAGN

DSF=Delhi Sands Flower-Loving Fly; SBKR=Merriam's San Bernardino Kangaroo Rat; CAGN=California Gnatcatcher; BUOW=Burrowing Owl



Legend		Endangered Species Habitat Ranges		Recharge Basins	
	Regional Plants		1. California Gnatcatcher		Eliwanda Debris Basin - (SBCFCD)
	Rivers/Channels		2. Southwestern Willow Flycatcher		San Sevaine Basins - (SBCFCD)
	CBWM Service Area		3. Least Bell's Vireo		Victoria Basin - (SBCFCD)
	IEUA Service Area		4. Santa Ana Sucker		Lower Day Basin - (SBCFCD)
	Cities Boundary		5. Delhi Sands Flower-Loving Fly		Banana Basin - (SBCFCD)
	Freeways		6. Merriam's San Bernardino Kangaroo Rat		Hickory Basin - (SBCFCD)
			7. Borrowing Owl		Eliwanda Conservation Basins - (SCE)
					Jurupa Basin - (SBCFCD)
					RP-3 Basin - (IEUA)
					Wineville Basin - (SBCFCD)
					Declaz Basin - (SBCFCD)
					8th Street Basin - (SBCFCD)
					Turner Basins - (SBCFCD/CBWCD)
					Ely Basins 1, 2 and 3 - (SBCFCD/CBWCD)
					College Heights Basins - (CBWCD)
					Upland Basin - (Upland)
					Montclair Basins - (CBWCD)
					Brooks Street Basins - (CBWCD)
					Grove Basin - (SBCFCD)



EAST DECLEZ BASIN IMPROVEMENTS
PROJECT NO. RW15003.01
STATUS UPDATE: February 01, 2016

In 2014 Watermaster members proposed the utilization of the available land east of the existing Declez Basins. This project proposes to expand the Declez Recharge Facility with an added basin. It also includes upstream improvements to divert and convey additional stormwater to the new basin. The potential increase in recharge capacity is 913 acre-feet per year. Project improvements include the following:

- Excavating and hauling offsite over 1,030,000 cubic yards of soil material to develop the new east basin.
- Constructing a diversion structure from the Declez Channel into the new basin with approximately 2,700 linear feet of new piping.
- Constructing a new spillway structure and outlet between the new and existing basins.
- Constructing a rubber dam system to divert flow from the San Sevaine Channel into the Jurupa Basin. The Jurupa Basin will act as a flow through basin to Declez Basin.
- Increasing the flow capacity to over 100 cfs on an existing pump station within Jurupa Basin.
- Construct approximately 2,800 linear feet of new conveyance piping from Jurupa to the Declez Channel.

Schedule:

<u>Project Budget</u>	<u>Actual Cost to Date</u>
\$3,665,000	\$137,618

<u>Soft Cost Phases</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Project Development	07/01/15	07/21/15	Completed	\$26,000	-
Pre-Environmental	07/22/15	02/01/16	In Progress	\$11,000	-
Feasibility Study (PDR)	07/22/15	02/19/16	In Progress	\$103,000	\$87,529
Preliminary Design	02/02/16	08/29/16	In Progress	\$511,000	-
Land Acquisition	11/18/15	05/17/16	In Progress	-	\$50,088*
Environmental	02/02/16	08/29/16	In Progress	\$197,000	-
Design	08/30/16	12/29/17	Not Started	\$2,542,000	-
Permits	08/30/16	12/29/17	Not Started	\$275,000	-
				\$3,665,000	\$137,618

*Refundable deposit to hold the property during the feasibility period

Cost Sharing Document: Task Order No. 1 of the Master Agreement of 2014

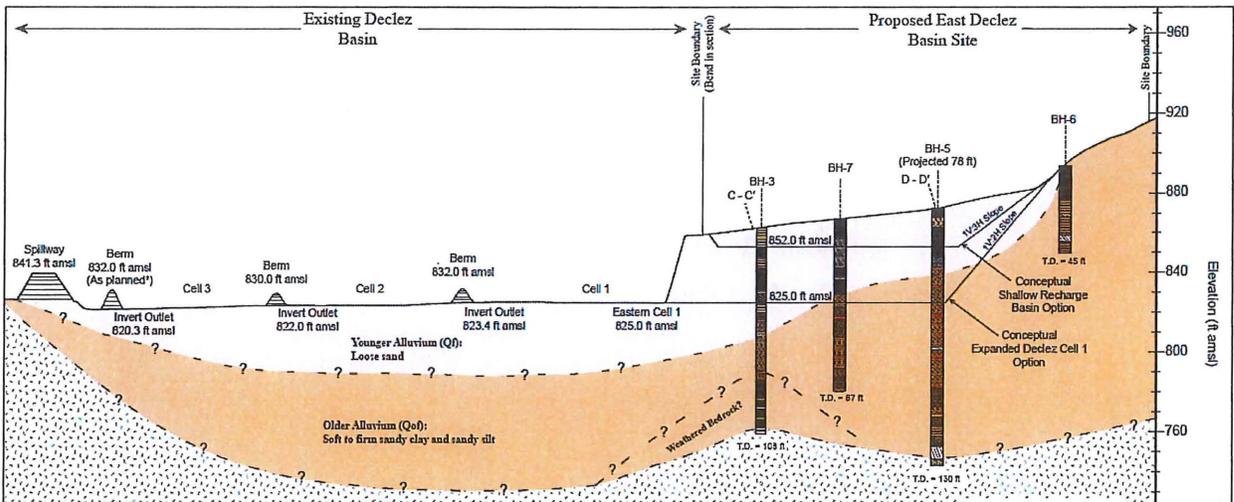
Project Update:

On November 19, 2015 IEUA’s Board of Directors approved and authorized the Purchase and Sale Agreement with SLPR, the owner of the proposed East Declez site. Under this agreement, the property owner will hold the property until May 17, 2016 from opening escrow with a refundable deposit of \$50,000. Since the last reporting period, the deposit went against the project budget. An additional \$88.25 was spent to cover processing fees. This deposit will go towards the \$3.0M property purchase, if the Watermaster Parties and Board agree to finalize the purchase. This decision will follow after the presentation of Thomas Harder’s feasibility study.

Harder will complete his study and report on February 5, 2016. Its findings and staff’s recommendation will be presented at the February 18th RIPCom meeting.

Meanwhile Dodson completed its review of the property owner’s Biological Habitat Clearance document to confirm its conclusion. No further actions are pending until a decision is made to proceed with further design efforts.

Project Photo:



Profile of the proposed East Declez with bore hole testing locations

RMPU PROJECTS



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SAN SEVAINE IMPROVEMENTS PROJECT
PROJECT NO. EN13001
STATUS UPDATE: February 01, 2016

As part of the 2013 Amendment to the 2010 Recharge Master Plan Update (RMPU), this Project will evaluate, design, and construct basin improvements needed to maximize infiltration and recharge capture at the San Sevaire Basins. The final recommendation from the preliminary development report proposes to implement: (1) a new stormwater/recycled water pump station in Basin 5, (2) directly tie into an existing RW pipeline, (3) place new pipelines and headwalls into Basins 1, 2, and 3, and (4) install monitoring wells and lysimeters. The proposed improvements will add 642 acre-feet per year of stormwater and 4,100 acre-feet per year of recycled water for groundwater recharge.

Schedule:

	<u>Project Budget</u>		<u>Actual Cost to Date</u>		
	\$6,460,000		\$342,868		
<u>Phase</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Pre-design	10/01/12	05/14/15	Completed	\$160,000	\$159,596
Environmental Impact	06/26/13	01/20/16	Completed	\$30,000	\$22,518
Design	05/15/15	03/18/16	In Progress	\$400,000	\$135,754
Permits	05/15/13	03/18/16	In Progress	\$25,000	\$25,000
Bid and Award	03/21/16	05/18/16	Not Started	\$5,000	-
Construction	05/19/16	07/05/17	Not Started	\$5,840,000	-
				\$6,460,000	\$342,868

Grant/Loan Update:

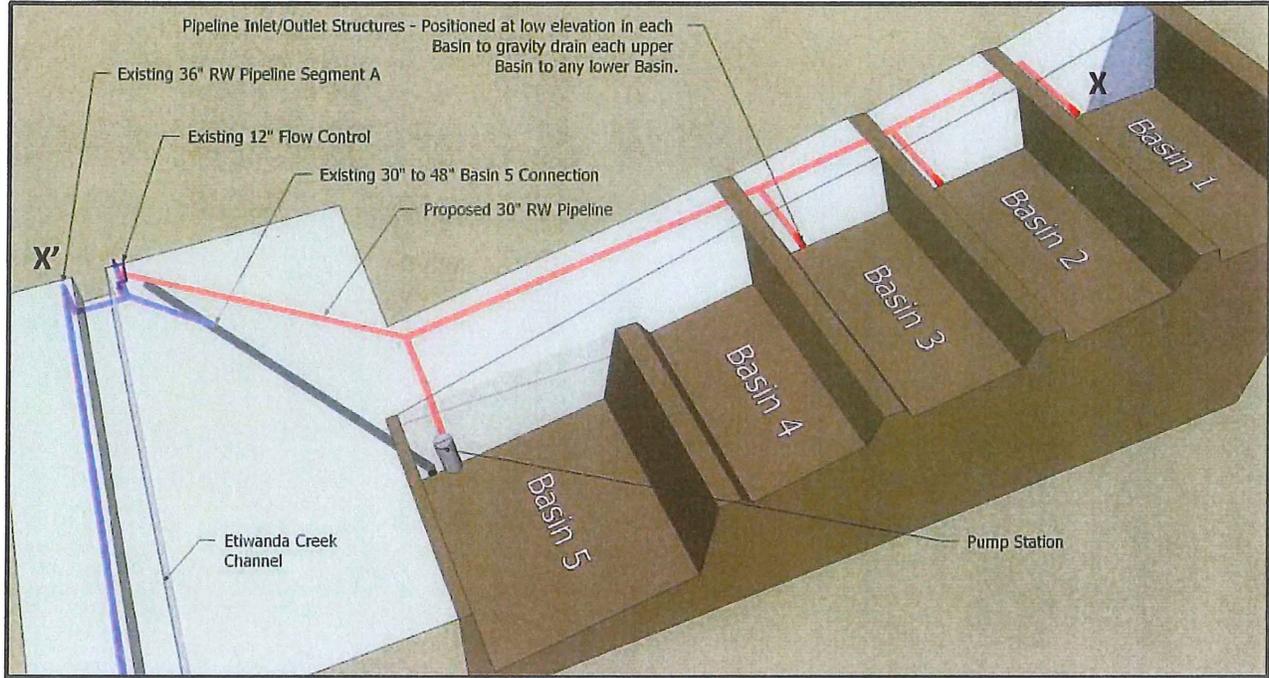
Awarded a \$750,000 state grant from the Department of Water Resources through the Santa Ana Watershed Project authority as part of Proposition 84 and a \$375,000 federal grant from the US Bureau of Reclamation.

Cost Sharing Document: Task Order No. 8 of the Master Agreement of 2014 (Amended in April 2015)

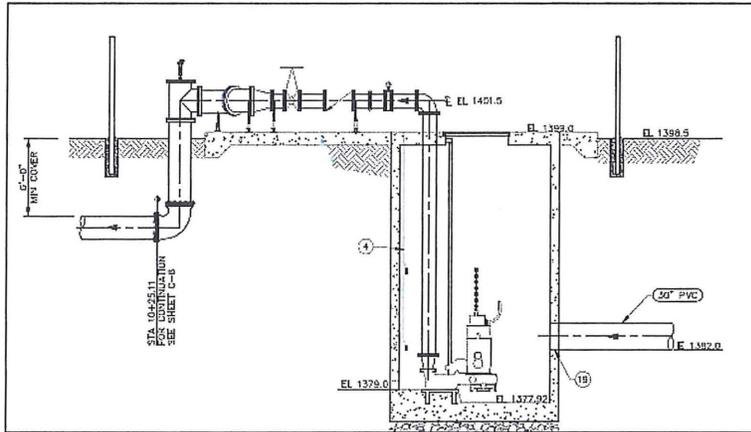
Project Update:

Recently, staff finalized the review of Dudek's 50-percent design submittal. Dudek is currently proceeding to the next submittal phase. Staff is planning to complete the design by March 2016. In parallel, Dudek is revisiting the monitoring well location. Staff recommended additional distance to nearby drinking wells to minimize commercial impact and increase monitoring time.

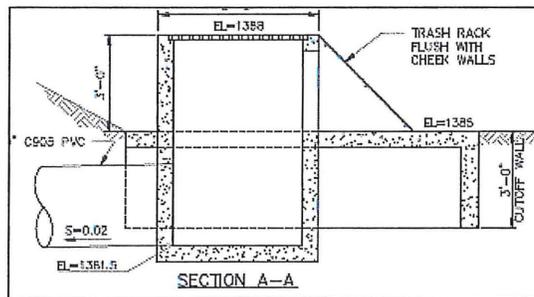
Conceptual Design:



Isometric View of the Recommended Basin Improvement Pump Station in Basin 5 and Extension of the Recycled Water Pipeline to Basins 1, 2, and 3



Design Profile of proposed Pump Station in Basin 5



Design Profile of proposed inlet to Pump Station



2013 RMPU AMENDMENT YIELD ENHANCEMENT PROJECTS
PROJECT NO. RW15003.00
STATUS UPDATE: February 01, 2016

The 2013 Amendment to the 2010 Recharge Master Plan Update recommended that the yield enhancement projects listed below be implemented for preliminary-design, environmental review, permitting, and final design.

ID	Basin Projects	Key Project Improvements	Original RMPU Yield		Adjusted Yield	
			SW	RW	SW	RW
acre-feet per year						
18a	CSI Storm Water Basin	New storage and recharge facility by deepening/removing 36,000 CY	81	-	81	-
23a	Wineville, Jurupa, and RP3	Improve storage and recharge capacity with pumps/conveyance systems between basins and provide new diversion structures	3,166	2,905	3,166	2,905
27	Declez Basin	Improve capacity by modifying existing/adding new structures	241	-	241	-
11	Victoria Basin	Improve the infiltration rate and increase storage by removing settled deposits	43	120	43	120
14	Turner Basin	Increase storage and recharge by raising the spillway height	66	-	66	-
15a	Ely Basin	Improve storage and recharge by removing 470,000 CY	221	-	221	-
2	Montclair Basins	Increase storage and recharge capacity by directing more channel flow	248	-	248	-
25a	Sierra	Improve storage and recharge by removing 40,000 CY <i>(Removed-no longer feasible)</i>	64	-		
17a	Lower San Sevaine Basin	Construct a new storage flow through basin <i>(Removed-no longer feasible)</i>	1,221	-		
			5,351	3,025	4,066	3,025

Schedule:

	<u>Original Soft Cost</u>	<u>Adjusted Soft Cost*</u>	<u>Actual Cost to Date</u>		
	\$8,122,500	\$3,825,500	\$135,505		
<u>Soft Cost Phases</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Project Development	07/01/14	06/17/15	Completed	\$27,000	\$1,678
Preliminary Design	06/25/15	08/17/16	In Progress	\$735,000	\$131,111
Environmental	02/19/15	08/17/16	In Progress	\$325,000	\$2,716
Design	08/18/16	12/29/17	Not Started	\$2,638,500	-
Permits	08/18/16	12/29/17	Not Started	\$100,000	-
				\$3,825,500	\$135,505

*PID 25a and PID 17a are removed from the design and not included within the total soft cost.

Grant/Loan Update:

IEUA is preparing to apply for state grants and loans through the SWRCB Prop. 1 Stormwater Grant and the Clean Water SRF Loans. The potential grant and loan amount is near \$14M and \$45M respectively.

Cost Sharing Document: Task Order No. 1 of the Master Agreement of 2014 (Amended in April 2015)

Project Update:

Stantec recently completed basin surveys of each basin. They are currently reviewing each site to establish the required electrical plan to implement and support the proposed basin improvements. IEUA is coordinating with Stantec to provide an initial findings meeting to go over progress and discuss potential design alternatives. In the meantime, Dodson & Associates is working to develop a Programmatic Environmental Impact Report for the proposed RMPUA projects. The scheduled completion date for both preliminary design report and the environmental study is August 2016.

Project Photo:



Aerial of Victoria Basin



**LOWER DAY RMPU IMPROVEMENTS
PROJECT NO. RW15004
STATUS UPDATE: February 01, 2016**

This project will modify the existing intake structure and install pneumatic gates in the channel. The pneumatic gates will monitor and self-adjust to maintain a water level or rate of discharge over the gate structure in accordance with an established programmable logic controller. The basin's existing embankment will be evaluated and reconstructed to meet the requirements of a dam embankment with the Division of Safety of Dams. Improvement to the embankment may include excavation and keying to prevent piping and seepage. Per the 2010 RMPU, this project proposes to increase in recharge to the basin by 789 acre-feet per year.

Schedule:

	<u>Project Budget</u>		<u>Actual Cost to Date</u>		
	\$2,480,000		\$167,354		
<u>Phase</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Project Development	07/01/14	12/17/14	Completed	\$25,000	\$24,790
Pre-Design	12/18/14	04/20/16	In Progress	\$120,000	\$96,729
Environmental Impact	02/02/15	04/20/16	In Progress	\$45,000	\$37,440
Permits	05/04/15	10/05/16	In Progress	\$20,000	\$8,395
Design	04/21/16	10/05/16	Not Started	\$183,000	-
Bid and Award	10/06/16	12/21/16	Not Started	8,000	-
Construction	12/22/16	01/05/18	Not Started	\$2,079,000	-
				\$2,480,000	\$167,354

Grant/Loan Update:

Awarded a \$750,000 state grant from the Department of Water Resources through the Santa Ana Watershed Project authority as part of Proposition 84 and a \$375,000 federal grant from the US Bureau of Reclamation.

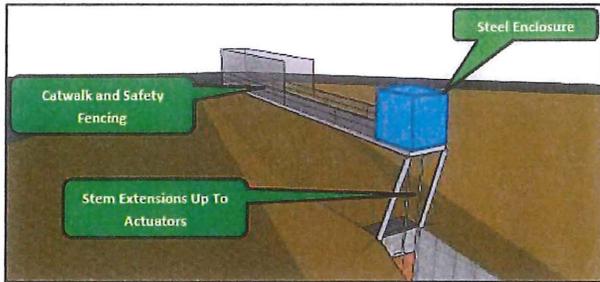
Cost Sharing Document: Task Order No. 2 of the Master Agreement of 2014

Project Update:

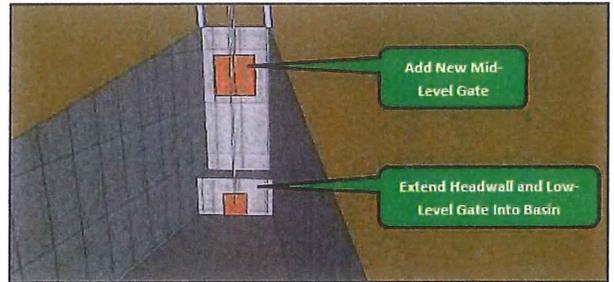
In January, Scheevel Engineering was authorized to prepare a flow analysis of the proposed design improvements in response to the Flood Control District's request and concerns on how the project will impact their flood control facilities. During the month of February, IEUA/CBWM/WEI and Scheevel will be meeting with the District to further discuss the flow analysis and confirm approach and assumptions. The extended efforts are expected to increase pre-design and design costs by an additional \$35,000 due to the added scope and staff support. This cost is currently within available budget, but a total budget amendment may be required if the proposed design does not reduce projected construction cost. Staff will continue to monitor and report further budget changes.

In the meantime, Tom Dodson & Associates will be completing the required CEQA documentations in March. Staff is scheduled in the month of April 2016 to forward the recommendation to have IEUA's Board adopt the environmental findings.

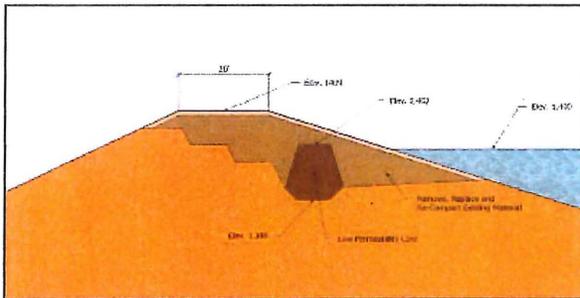
Conceptual Design of the Proposed Improvements:



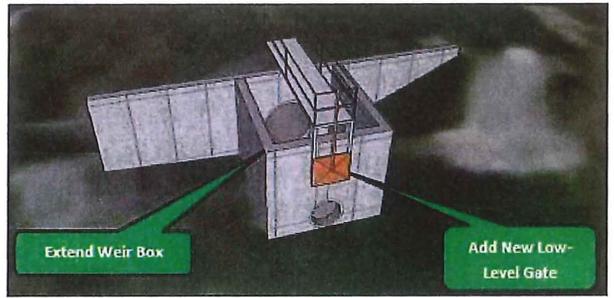
Mid-level Outlet Modifications – Increase Storage to the Lower Basin



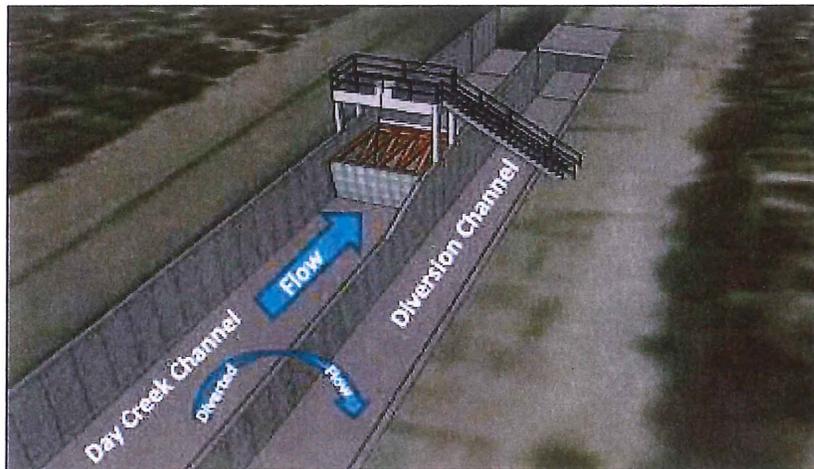
Coating Existing 36" & 72" Outlet Pipes – Maintain Flood Control requirements of immediate dewatering



Reconstruction of Southern Berm – Prevent Seepage



Modifications to Upper Basin Outlet – Increase Storage to the Upper Basin



Proposed Radial Gate Concept – diverts non-flood flows for added groundwater storage