

CHINO BASIN WATERMASTER



NOTICE OF MEETINGS

Thursday, December 12, 2013

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

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

CHINO BASIN WATERMASTER

Thursday, December 12, 2013

9:00 a.m. – Appropriative Pool Meeting

11:00 a.m. – Non-Ag Pool Conference Call Meeting

1:30 p.m. – Agricultural Pool Meeting

POOL AGENDAS

**CHINO BASIN WATERMASTER
APPROPRIATIVE POOL MEETING**

9:00 a.m. – December 12, 2013

WITH

Mr. Marty Zvirbulis, Chair

Mr. Scott Burton, 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 November 14, 2013 *(Page 1)*

B. FINANCIAL REPORTS

1. Cash Disbursements for the Month of October 2013 *(Page 13)*
2. Watermaster VISA Check Detail for the Month of October, 2013 *(Page 27)*
3. Combining Schedule for the Period July 1, 2013 through October 31, 2013 *(Page 31)*
4. Treasurer's Report of Financial Affairs for the Period October 1, 2013 through October 31, 2013 *(Page 35)*
5. Budget vs. Actual Report for the Period July 1, 2013 through October 31, 2013 *(Page 39)*

C. 2012 ANNUAL REPORT OF THE LAND SUBSIDENCE COMMITTEE *(Page 53)*

Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the 2012 Annual Report of the Land Subsidence Committee, along with filing a copy with the Court.

D. ANNUAL FINDING OF SUBSTANTIAL COMPLIANCE WITH THE RECHARGE MASTER PLAN

(Page 107)

Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the finding in the Wildermuth Report that Watermaster is in substantial compliance with the Recharge Master Plan.

II. BUSINESS ITEMS

A. MINOR APPROPRIATORS ELECTION FOR WATERMASTER BOARD APPOINTMENT

Appoint a representative to the Watermaster Board. *(Page 115)*

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. November 22nd Hearing on Ex Parte Application
2. City of Fontana - Resolution Discussion
3. CDA Request

B. CFO REPORT

1. Assessment Invoices
2. Audit Report

C. GM REPORT

1. Request for Overlying (Non-Agricultural) Pool Available Water Per Judgment Exhibit "G"
2. Revised Hydraulic Control Monitoring Plan
3. Update on Safe Yield Recalculation

IV. INFORMATION

1. Cash Disbursements for November 2013 (*Page 119*)

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. Safe Yield Recalculation

VIII. FUTURE MEETINGS AT WATERMASTER

| | |
|------------------------------------|--|
| Tuesday, December 10, 2013 | 9:00 a.m. GRCC Meeting |
| Tuesday, December 10, 2013 | 2:30 p.m. City of Fontana Motion – Resolution Discussion |
| Thursday, December 12, 2013 | 9:00 a.m. Appropriative Pool Committee Meeting |
| Thursday, December 12, 2013 | 11:00 a.m. Non-Agricultural Pool Committee Meeting |
| Thursday, December 12, 2013 | 1:30 p.m. Agricultural Pool Committee Meeting |
| Wednesday, December 18, 2013 | 1:30 p.m. Safe Yield Recalculation Workshop #3 |
| Thursday, December 19, 2013 | 8:00 a.m. IEUA DYY Meeting |
| Thursday, December 19, 2013 | 9:00 a.m. Advisory Committee Meeting |
| Thursday, December 19, 2013 | 10:00 a.m.* Joint IEUA/CBWM Projects Update Meeting |
| Thursday, December 19, 2013 | 11:00 a.m. Watermaster Board Meeting (Rescheduled) |
| Friday, December 20, 2013 | 1:00 p.m. City of Fontana Motion – Resolution Discussion |
| Thursday, January 9, 2014 | 9:00 a.m. Annual & Election Appropriative Pool Committee Meeting |
| Thursday, January 9, 2014 | 11:00 a.m. Annual & Election Non-Agricultural Pool Committee Meeting |
| Thursday, January 9, 2014 | 1:30 p.m. Annual & Election Agricultural Pool Committee Meeting |
| Thursday, January 16, 2014 | 8:00 a.m. IEUA DYY Meeting |
| Thursday, January 16, 2014 | 9:00 a.m. Annual Advisory Committee Meeting |
| Thursday, January 16, 2014 | 10:00 a.m.* Joint IEUA/CBWM Projects Update Meeting |
| Thursday, January 23, 2014 | 11:00 a.m. Annual & Election Watermaster Board Meeting |

***Note:** The Joint IEUA/CBWM Projects Update Meeting will take place immediately following the Advisory Committee Meeting.

ADJOURNMENT

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

11:00 a.m. – December 12, 2013

WITH

Mr. Brian Geye, Chair

Mr. Bob Bowcock, Vice-Chair

1-800-930-9525 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 November 14, 2013 *(Page 5)*

B. FINANCIAL REPORTS

1. Cash Disbursements for the Month of October 2013 *(Page 13)*
2. Watermaster VISA Check Detail for the Month of October 2013 *(Page 27)*
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C. 2012 ANNUAL REPORT OF THE LAND SUBSIDENCE COMMITTEE *(Page 53)*

Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the 2012 Annual Report of the Land Subsidence Committee, along with filing a copy with the Court.

D. ANNUAL FINDING OF SUBSTANTIAL COMPLIANCE WITH THE RECHARGE MASTER PLAN

(Page 107)

Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the finding in the Wildermuth Report that Watermaster is in substantial compliance with the Recharge Master Plan.

II. BUSINESS ITEMS

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. November 22nd Hearing on Ex Parte Application
2. City of Fontana Motion Resolution Discussion
3. CDA Request

B. CFO REPORT

1. Assessment Invoices
2. Audit Report

C. GM REPORT

1. Request for Overlying (Non-Agricultural) Pool Available Water Per Judgment Exhibit "G"
2. Revised Hydraulic Control Monitoring Plan
3. Update on Safe Yield Recalculation
4. Minor Appropriators Election For Watermaster Board Appointment

IV. INFORMATION

1. Cash Disbursements for November 2013 (*Page 119*)

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.

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| Thursday, January 23, 2014 | 11:00 a.m. Annual & Election Watermaster Board Meeting |

***Note:** The Joint IEUA/CBWM Projects Update Meeting will take place immediately following the Advisory Committee Meeting.

ADJOURNMENT

**CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING**

1:30 p.m. – December 12, 2013

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

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AGENDA - ADDITIONS/REORDER

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1. Minutes of the Agricultural Pool Meeting held November 14, 2013 *(Page 9)*

B. FINANCIAL REPORTS

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II. BUSINESS ITEMS

A. OLD BUSINESS

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. November 22nd Hearing on Ex Parte Application
2. City of Fontana Motion Resolution Discussion
3. CDA Request

B. CFO REPORT

1. Assessment Invoices
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C. GM REPORT

1. Request for Overlying (Non-Agricultural) Pool Available Water Per Judgment Exhibit "G"
2. Revised Hydraulic Control Monitoring Plan
3. Update on Safe Yield Recalculation
4. Minor Appropriators Election For Watermaster Board Appointment

D. AGRICULTURAL POOL LEGAL COUNSEL REPORT**IV. INFORMATION**

1. Cash Disbursements for November 2013 (*Page 119*)

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

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***Note:** The Joint IEUA/CBWM Projects Update Meeting will take place immediately following the Advisory Committee Meeting.

ADJOURNMENT

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

A. MINUTES

1. Appropriative Pool Meeting held on November 14, 2013

DRAFT MINUTES
CHINO BASIN WATERMASTER
APPROPRIATIVE POOL MEETING

November 14, 2013

The Appropriative Pool Meeting was held at the offices of Chino Basin Watermaster, 9641 San Bernardino Road, Rancho Cucamonga, CA on November 14, 2013.

APPROPRIATIVE POOL MEMBERS PRESENT

Marty Zvirbulis, Chair
Mark Kinsey
Teri Layton
Robert Young
Ron Craig
Seth Zielke
Rosemary Hoerning
Justin Scott-Coe
Dave Crosley
Dennis Mejia

Cucamonga Valley Water District
Monte Vista Water District
San Antonio Water Company
Fontana Union Water Company
City of Chino Hills
Fontana Water Company
City of Upland
Monte Vista Irrigation Company
City of Chino
City of Ontario

WATERMASTER BOARD MEMBERS PRESENT

Bob Kuhn
Robert "Bob" Craig

Three Valleys Municipal Water District
Jurupa Community Services District

WATERMASTER STAFF PRESENT

Peter Kavounas
Danielle Maurizio
Joseph Joswiak
Anna Truong

General Manager
Assistant General Manager
Chief Financial Officer
Recording Secretary

WATERMASTER CONSULTANTS PRESENT

Brad Herrema

Brownstein Hyatt Farber Schreck, LLP

OTHERS PRESENT

Ryan Shaw
John Bosler
Marsha Westropp
Sheri Rojo
Curtis Paxton
Sandra Rose
Jo Lynne Russo-Pereyra
David DeJesus
Manny Martinez
Raul Garibay
Pete Hall
Dan Chadwick

Inland Empire Utilities Agency
Cucamonga Valley Water District
Orange County Water District
Fontana Water Company
Chino Desalter Authority
Monte Vista Water District
Cucamonga Valley Water District
Three Valleys Municipal Water District
Monte Vista Water District
City of Pomona
State of California – CIM
City of Fontana

CALL TO ORDER

Chair Marty Zvirbulis called the Appropriative Pool meeting to order at 9:01 a.m.

AGENDA - ADDITIONS/REORDER

There were no additions or reorders.

I. CONSENT CALENDAR

A. MINUTES

1. Minutes of the Appropriative Pool Meeting held October 10, 2013

B. FINANCIAL REPORTS

1. Cash Disbursements for the Month of September 2013
2. Watermaster VISA Check Detail for the Month of September 2013
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C. WESTERN MUNICIPAL WATER DISTRICT ASSIGNMENT OF DESALTER PRODUCTION

(0:00:30)

*Motion by Mr. Robert Young, second by Mr. Ron Craig, and by unanimous vote
Moved to approve the Consent Calendar as presented*

II. BUSINESS ITEMS

A. CHINO BASIN WATERMASTER 2013-2014 ASSESSMENT PACKAGE

(0:01:16) Ms. Maurizio gave a presentation and a discussion ensued.

Motion by Mr. Mark Kinsey, second by Ms. Teri Layton, and by unanimous vote

Move to recommend Advisory Committee approval of the Fiscal Year 2013-2014 Assessment Package as presented.

B. LEVYING REPLENISHMENT AND ADMINISTRATIVE ASSESSMENTS

(0:19:14) Mr. Kavounas gave a report.

Motion by Mr. Mark Kinsey, second by Mr. Robert Young, and by unanimous vote

Move to recommend Advisory Committee approval of Resolution 13-07 as presented.

(0:20:30) The first closed session began at 9:22 a.m. and concluded at 9:33 a.m. with no reportable action

C. PHYSICAL SOLUTION TRANSFER RATE SUBSTITUTION

(0:20:47)

Motion by Mr. Robert Young, second by Mr. Raul Garibay, and by unanimous vote

Move to recommend Advisory Committee approval of the proposed FY 2013-14 substitute Physical Solution Transfer rate, and approve Watermaster legal counsel's filing of motion for Court approval of the same and authorize the Pool's legal counsel to sign the agreement on behalf of the Pool.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

- 1. Watermaster RMPU Amendment Motion
- 2. City of Fontana Motion
- 3. CDA Request

(0:21:45) Mr. Herrema gave a report.

B. CFO REPORT

C. GM REPORT

- 1. Joint IEUA-Watermaster Recharge Projects
- 2. Update on Safe Yield Recalculation
- 3. Wineville POC Project Update
- 4. Pool and Board Representation
- 5. Minors Board Representative Election

(0:24:34) Mr. Kavounas gave a report on each of the five items listed. He announced that the Joint IEUA-Watermaster Recharge Projects monthly meetings now have designees to represent each Pool and are as follows: Todd Corbin and Van Jew for the Appropriative Pool, Ken Jeske for the Non-Ag Pool and Pete Hall and Jeff Pierson for the Ag Pool.

Mr. Kavounas reported that according to the approved Board Rotation schedule, the Minor Appropriators will occupy a seat during 2014 and 2015. Accordingly, Watermaster will send a letter to each Minor Appropriator to notify them, and will plan to facilitate the appointment during the December Appropriative Pool meeting.

IV. INFORMATION

- 1. Cash Disbursements for October 2013

V. POOL MEMBER COMMENTS

VI. OTHER BUSINESS

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

- 1. Safe Yield Recalculation
- 2. New Yield Allocation Discussion

The second closed session began at 9:44 a.m. and concluded at 10:54 a.m. with no reportable action.

VIII. FUTURE MEETINGS AT WATERMASTER

| | | |
|-----------------------------|-------------|---|
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| Thursday, November 14, 2013 | 9:00 a.m. | Appropriative Pool Meeting |
| Thursday, November 14, 2013 | 11:00 a.m. | Non-Agricultural Pool Meeting |
| Thursday, November 14, 2013 | 1:30 p.m. | Agricultural Pool Meeting |
| Thursday, November 21, 2013 | 8:00 a.m. | IEUA DYY Meeting |
| Thursday, November 21, 2013 | 9:00 a.m. | Advisory Committee Meeting |
| Thursday, November 21, 2013 | 10:00 a.m.* | Joint IEUA/CBWM Projects Update Meeting |
| Thursday, November 21, 2013 | 11:00 a.m. | Watermaster Board Meeting |

***Note:** The Joint IEUA/CBWM Projects Update Meeting will take place immediately following the Advisory Committee Meeting.

ADJOURNMENT

Chair Zvirbulis adjourned the Appropriative Pool meeting at 10:54 a.m.

Secretary: _____

Minutes Approved: _____

CHINO BASIN WATERMASTER

I. BUSINESS ITEM ROUTINE

A. MINUTES

1. Non-Agricultural Pool Conference Call Meeting held on November 14, 2013

DRAFT MINUTES
CHINO BASIN WATERMASTER
NON-AGRICULTURAL POOL CONFERENCE CALL MEETING

November 14, 2013

The Non-Agricultural Pool conference call meeting was held via conference call using the Chino Basin Watermaster conference call number on November 14, 2013.

NON-AGRICULTURAL POOL MEMBERS PRESENT AT WATERMASTER

Brian Geye Auto Club Speedway

NON-AGRICULTURAL POOL MEMBERS PRESENT ON CALL

Tom O'Neill Ontario City Non-Agricultural

WATERMASTER STAFF PRESENT AT WATERMASTER

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

WATERMASTER BOARD MEMBERS PRESENT AT WATERMASTER

Robert "Bob" Craig Jurupa Community Services District

WATERMASTER CONSULTANTS PRESENT AT WATERMASTER

Brad Herrema Brownstein Hyatt Farber Schreck, LLP

NON-AGRICULTURAL POOL COUNSEL PRESENT ON CALL

Allen Hubsch Hogan Lovells US, LLP

OTHERS PRESENT AT WATERMASTER

Dave Crosley City of Chino

CALL TO ORDER

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

ROLL CALL

Ms. Truong conducted the roll call.

AGENDA - ADDITIONS/REORDER

There were no additions or reorders.

I. BUSINESS ITEMS - ROUTINE

A. MINUTES

1. Minutes of the Non-Agricultural Pool Meeting held October 10, 2013

(0:01:55)

Motion by Mr. Tom O'Neil, second by Mr. Brian Geye, and by unanimous vote

Moved to receive and file Business Item A as presented

B. FINANCIAL REPORTS

1. Cash Disbursements for the Month of September 2013
2. Watermaster VISA Check Detail for the Month of September 2013
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4. Treasurer's Report of Financial Affairs for the Period September 1, 2013 through September 30, 2013
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(0:02:15)

Motion by Mr. Tom O'Neil, second by Mr. Brian Geye, and by unanimous vote

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

C. WESTERN MUNICIPAL WATER DISTRICT ASSIGNMENT OF DESALTER PRODUCTION

(0:03:51)

Motion by Mr. Tom O'Neil, second by Mr. Brian Geye, and by unanimous vote

Moved to receive and file Business Item C as presented, without approval

II. BUSINESS ITEMS

A. CHINO BASIN WATERMASTER 2013-2014 ASSESSMENT PACKAGE

(0:05:13)

Motion by Mr. Tom O'Neil, second by Mr. Brian Geye, and by unanimous vote

Moved to approve staff recommendation and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate and subject to further consultation with Pool counsel.

B. LEVYING REPLENISHMENT AND ADMINISTRATIVE ASSESSMENTS

Recommend to the Advisory Committee to approve Resolution 13-07 as presented.

(0:07:06)

Motion by Mr. Tom O'Neil, second by Mr. Brian Geye, and by unanimous vote

Moved to approve staff recommendation and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate and subject to further consultation with Pool counsel.

C. PHYSICAL SOLUTION TRANSFER RATE SUBSTITUTION

(0:09:44)

Motion by Mr. Tom O'Neil, second by Mr. Brian Geye, and by unanimous vote

Moved to approve staff recommendation and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate and authorize the Pool's legal counsel to sign the agreement on behalf of the Pool.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

- 1. Watermaster RMPU Amendment Motion
- 2. City of Fontana Motion
- 3. CDA Request

(0:09:58) Mr. Herrema gave a report.

B. CFO REPORT

There was no report given.

C. GM REPORT

- 1. Joint IEUA-Watermaster Recharge Projects
- 2. Update on Safe Yield Recalculation
- 3. Wineville POC Project Update
- 4. Pool and Board Representation

(0:16:34) Mr. Kavounas gave a report.

IV. INFORMATION

- 1. Cash Disbursements for October 2013

V. POOL MEMBER COMMENTS

There were no comments.

VI. OTHER BUSINESS

There was no 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.

VIII. FUTURE MEETINGS AT WATERMASTER

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| Thursday, November 21, 2013 | 11:00 a.m. | Watermaster Board Meeting |

***Note:** The Joint IEUA/CBWM Projects Update Meeting will take place immediately following the Advisory Committee Meeting.

ADJOURNMENT

Chair Geye adjourned the Non-Agricultural Pool meeting at 11:25 a.m.

Secretary: _____

Minutes Approved: _____

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

A. MINUTES

1. Agricultural Pool Meeting held on
November 14, 2013

DRAFT MINUTES
CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING
November 14, 2013

The Agricultural Pool meeting was held at the offices of Chino Basin Watermaster, 9641 San Bernardino Road, Rancho Cucamonga, CA, on November 14, 2013.

AGRICULTURAL POOL MEMBERS PRESENT

| | |
|---------------------|--|
| Bob Feenstra, Chair | Dairy |
| Glen Durrington | Crops |
| Pete Hall | State of California, CIM |
| Gene Koopman | Milk Producers Council |
| Jeff Pierson | Crops |
| Nathan deBoom | Dairy |
| Carol Boyd | State of California, Department of Justice |
| John Huitsing | Dairy |
| Rob Vanden Heuvel | Dairy |

WATERMASTER BOARD MEMBER PRESENT

| | |
|---------------------|-------|
| Geoff 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

| | |
|-----------------|--------------------------------------|
| Mark Wildermuth | Wildermuth Environmental, Inc. |
| Brad Herrema | Brownstein Hyatt Farber Schreck, LLP |

OTHERS PRESENT

| | |
|---------------|--------------------------------------|
| Tracy Egoscue | Egoscue Law Group |
| Dave Crosley | City of Chino |
| Larry Dimock | California Department of Corrections |
| Rick Rees | State of California, CIM |

CALL TO ORDER

Chair Feenstra called the Agricultural Pool meeting to order at 1:35 p.m.

AGENDA - ADDITIONS/REORDER

There were no additions or reorders.

I. CONSENT CALENDAR

A. MINUTES

1. Minutes of the Agricultural Pool Meeting held October 10, 2013

B. FINANCIAL REPORTS

1. Cash Disbursements for the Month of September 2013
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C. WESTERN MUNICIPAL WATER DISTRICT ASSIGNMENT OF DESALTER PRODUCTION

(0:00:41)

Motion by Mr. Jeff Pierson, second by Mr. Glen Durrington, and by unanimous vote

Moved to approve Consent Calendar as presented

II. BUSINESS ITEMS

A. CHINO BASIN WATERMASTER 2013-2014 ASSESSMENT PACKAGE

(0:01:46)

Motion by Mr. Jeff Pierson, second by Mr. Rob Vanden Heuvel, and by unanimous vote

Moved to recommend to the Advisory Committee to approve the Fiscal Year 2013-2014 Assessment Package as presented.

B. LEVYING REPLENISHMENT AND ADMINISTRATIVE ASSESSMENTS

(0:02:27)

Motion by Mr. Jeff Pierson, second by Mr. Gene Koopman, and by unanimous vote

Moved to recommend to the Advisory Committee to approve Resolution 13-07 as presented.

C. PHYSICAL SOLUTION TRANSFER RATE SUBSTITUTION

(0:03:24)

Motion by Mr. Jeff Pierson, second by Mr. Gene Koopman, and by unanimous vote

Moved to recommend to the Advisory Committee to approve the proposed Fiscal Year 2013-14 substitute Physical Solution Transfer rate, and approve Watermaster legal counsel's filing of motion for Court approval of the same.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. Watermaster RMPU Amendment Motion
2. City of Fontana Motion
3. CDA Request

(0:07:59) Mr. Herrema gave a report.

B. CFO REPORT

C. GM REPORT

- 1. Joint IEUA-Watermaster Recharge Projects
- 2. Update on Safe Yield Recalculation
- 3. Wineville POC Project Update
- 4. Pool and Board Representation
- 5. Watermaster Business Plan Presentation (carry over from last month)

(0:16:05) Mr. Kavounas gave a report and asked if the Pool wanted to hear the Business Plan presentation. The Pool declined to hear the presentation and deferred to the opinion of the Pool's Board representatives. Mr. Kavounas mentioned that there is no action to be taken and that the item is to be received and filed by the Board.

D. AGRICULTURAL POOL LEGAL COUNSEL REPORT

IV. INFORMATION

- 1. Cash Disbursements for October 2013

V. POOL MEMBER COMMENTS

VI. OTHER BUSINESS

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

Chair Feenstra called for a closed session at 1:36 p.m.

The Confidential Session concluded at 2:55 p.m. with no reportable action.

VIII. FUTURE MEETINGS AT WATERMASTER

| | | |
|-----------------------------|-------------|---|
| Tuesday, November 12, 2013 | 9:00 a.m. | IEUA DYY Meeting |
| Thursday, November 14, 2013 | 9:00 a.m. | Appropriative Pool Meeting |
| Thursday, November 14, 2013 | 11:00 a.m. | Non-Agricultural Pool Meeting |
| Thursday, November 14, 2013 | 1:30 p.m. | Agricultural Pool Meeting |
| Thursday, November 21, 2013 | 8:00 a.m. | IEUA DYY Meeting |
| Thursday, November 21, 2013 | 9:00 a.m. | Advisory Committee Meeting |
| Thursday, November 21, 2013 | 10:00 a.m.* | Joint IEUA/CBWM Projects Update Meeting |
| Thursday, November 21, 2013 | 11:00 a.m. | Watermaster Board Meeting |

***Note:** The Joint IEUA/CBWM Projects Update Meeting will take place immediately following the Advisory Committee Meeting.

ADJOURNMENT

Chair Feenstra adjourned the Agricultural Pool meeting at 3:35 p.m.

Secretary: _____

Minutes Approved: _____

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CHINO BASIN WATERMASTER

I. CONSENT CALENDAR (App & Ag Pool)

B. FINANCIAL REPORTS

1. Cash Disbursements for the Month of October 2013
2. Watermaster VISA Check Detail for the Month of October 2013
3. Combining Schedule for the Period July 1, 2013 through October 31, 2013
4. Treasurer's Report of Financial Affairs for the Period October 1, 2013 through October 31, 2013
5. Budget vs. Actual Report for the Period July 1, 2013 through October 31, 2013

I. BUSINESS ITEM ROUTINE (Non-Ag Pool)

B. FINANCIAL REPORTS

1. Cash Disbursements for the Month of October 2013
2. Watermaster VISA Check Detail for the Month of October 2013
3. Combining Schedule for the Period July 1, 2013 through October 31, 2013
4. Treasurer's Report of Financial Affairs for the Period October 1, 2013 through October 31, 2013
5. Budget vs. Actual Report for the Period July 1, 2013 through October 31, 2013



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: December 12, 2013
TO: Pool Committee Members
SUBJECT: Cash Disbursement Report - Financial Report B1 (October 31, 2013)

SUMMARY

Issue: Record of cash disbursements for the month of October 31, 2013.

Recommendation: Receive and file Cash Disbursements for October 31, 2013 as presented.

Financial Impact: Funds disbursed were included in the FY 2013-2014 Watermaster Budget.

Future Consideration

Appropriative Pool: December 12, 2013; Receive and File
Non-Agricultural Pool: December 12, 2013; Receive and File
Agricultural Pool: December 12, 2013; Receive and File
Advisory Committee: December 19, 2013; Receive and File
Watermaster Board: December 19, 2013; Receive and File (Normal Course of Business)

ACTIONS:

December 12, 2013 – Appropriative Pool –
December 12, 2013 – Non-Agricultural Pool –
December 12, 2013 – Agricultural Pool –
December 19, 2013 – Advisory Committee –
December 19, 2013 – 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 October 2013 were \$400,960.13. The most significant expenditures during the month were to Wildermuth Environmental, Inc. in the amount of \$89,206.65 (check number 17317 dated October 23, 2013); Brownstein Hyatt Farber Schreck in the amount of \$86,554.90 (check number 17278 dated October 11, 2013); and Inland Empire Utilities Agency in the amounts of \$32,352.18 and \$30,900.00 (check numbers 17263 and 17306 dated October 3, 2013 and October 17, 2013).

ATTACHMENTS

1. Financial Report - B1

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2013

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|------------------|-------------------------------------|--|--------------------------------------|------------------|
| Bill Pmt -Check | 10/03/2013 | 17255 | APPLIED COMPUTER TECHNOLOGIES | 2412 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | 2412 | | Database Consulting - September 2013 | 6052.2 · Applied Computer Technol | 3,057.80 |
| TOTAL | | | | | | <u>3,057.80</u> |
| Bill Pmt -Check | 10/03/2013 | 17256 | ARROWHEAD MOUNTAIN SPRING WATER | 0023230253 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | 0023230253 | | Office Water Bottle - September 2013 | 6031.7 · Other Office Supplies | 134.65 |
| TOTAL | | | | | | <u>134.65</u> |
| Bill Pmt -Check | 10/03/2013 | 17257 | CHEF DAVE'S CAFE & CATERING | 1227 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/26/2013 | 1227 | | Lunch for 9/26/2013 Board Meeting | 6312 · Meeting Expenses | 431.90 |
| TOTAL | | | | | | <u>431.90</u> |
| Bill Pmt -Check | 10/03/2013 | 17258 | DGO AUTO DETAILING | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | | | Wash 4 trucks on 9/11/13 and 9/25/13 | 6177 · Vehicle Repairs & Maintenance | 200.00 |
| TOTAL | | | | | | <u>200.00</u> |
| Bill Pmt -Check | 10/03/2013 | 17259 | DIRECTV | 019447404 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | 019447404 | | 9/19/13 -10/18/13 | 6031.7 · Other Office Supplies | 94.99 |
| TOTAL | | | | | | <u>94.99</u> |
| Bill Pmt -Check | 10/03/2013 | 17260 | GUARANTEED JANITORIAL SERVICE, INC. | 6-29817 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | 6-29817 | | Janitorial - September 2013 | 6024 · Building Repair & Maintenance | 865.00 |
| TOTAL | | | | | | <u>865.00</u> |
| Bill Pmt -Check | 10/03/2013 | 17261 | HOGAN LOVELLS | 2166444 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | 2766444 | | Non-Ag Pool Legal Services - September 2013 | 8567 · Non-Ag Legal Service | 4,156.07 |
| TOTAL | | | | | | <u>4,156.07</u> |
| Bill Pmt -Check | 10/03/2013 | 17262 | HSBC BUSINESS SOLUTIONS | 7003-7309-1000-2744 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | 7003730910002744 | | Miscellaneous meeting & office supplies | 6031.7 · Other Office Supplies | 519.05 |
| TOTAL | | | | | | <u>519.05</u> |
| Bill Pmt -Check | 10/03/2013 | 17263 | INLAND EMPIRE UTILITIES AGENCY | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | 1800002248 | | Wineville Basin Cost Share Project | 7209.2 · Wineville Basin | 32,332.18 |
| Bill | 10/02/2013 | | | Registration fee-Kavounas-Leadership Breakfast | 6192 · Training & Seminars | 20.00 |
| TOTAL | | | | | | <u>32,352.18</u> |
| Bill Pmt -Check | 10/03/2013 | 17264 | MATHIS CONSULTING GROUP | 153895 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | 153895 | | Field Operations Specialist | 6013 · Human Resources Services | 1,942.50 |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2013

Financial Report - B1

| | <u>Type</u> | <u>Date</u> | <u>Num</u> | <u>Name</u> | <u>Memo</u> | <u>Account</u> | <u>Paid Amount</u> |
|-------|-----------------|-------------|----------------|-------------------------------------|---|---------------------------------------|--------------------|
| TOTAL | | | | | | | 1,942.50 |
| | Bill Pmt -Check | 10/03/2013 | 17265 | PARK PLACE COMPUTER SOLUTIONS, INC. | 479 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 09/30/2013 | 479 | | IT Consulting - September 2013 | 6052.1 - Park Place Comp Solutn | 2,325.00 |
| TOTAL | | | | | | | 2,325.00 |
| | Bill Pmt -Check | 10/03/2013 | 17266 | PAYCHEX | 2013092600 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 09/30/2013 | 2013092600 | | September 2013 | 6012 - Payroll Services | 236.53 |
| TOTAL | | | | | | | 236.53 |
| | Bill Pmt -Check | 10/03/2013 | 17267 | SANDERS, LAURA | | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 09/30/2013 | | | Transcript for 8/30/13 Court Hearing | 6046 - Legal Publications/Services | 240.00 |
| TOTAL | | | | | | | 240.00 |
| | Bill Pmt -Check | 10/03/2013 | 17268 | STANDARD INSURANCE CO. | Policy # 00-649299-0009 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 09/30/2013 | 00644-92990009 | | Policy # 00-649299-0009 | 60191 - Life & Disab.Ins Benefits | 456.73 |
| TOTAL | | | | | | | 456.73 |
| P 16 | Bill Pmt -Check | 10/03/2013 | 17269 | STAPLES BUSINESS ADVANTAGE | 8026990403 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 09/30/2013 | 8026990403 | | Miscellaneous office supplies | 6031.7 - Other Office Supplies | 98.58 |
| TOTAL | | | | | | | 98.58 |
| | Bill Pmt -Check | 10/03/2013 | 17270 | STATE COMPENSATION INSURANCE FUND | 1970970-13 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 10/01/2013 | 1970970-13 | | Premium on account 9/26/13-10/26/13 | 60183 - Worker's Comp Insurance | 786.42 |
| TOTAL | | | | | | | 786.42 |
| | Bill Pmt -Check | 10/03/2013 | 17271 | THE LAWTON GROUP | 6017 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 09/30/2013 | 20487 | | Week ending 9/22/13 | 6017 - Temporary Services | 659.20 |
| | | | | | Week ending 9/22/13 | 6017.1 - Executive Assistant Services | 1,811.20 |
| | | | | | Week ending 9/22/13 | 6017.1 - Executive Assistant Services | 520.80 |
| | Bill | 09/30/2013 | 20486 | | Week ending 9/15/13 | 6017 - Temporary Services | 494.40 |
| | | | | | Week ending 9/15/13 | 6017.1 - Executive Assistant Services | 1,811.20 |
| | | | | | Week ending 9/15/13 | 6017.1 - Executive Assistant Services | 369.60 |
| TOTAL | | | | | | | 5,666.40 |
| | Bill Pmt -Check | 10/03/2013 | 17272 | THREE VALLEYS MUNICIPAL WATER DIST | October 31, 2013 Leadership Breakfast | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 09/30/2013 | | | Leadership Breakfast for Peter Kavounas | 6191 - Conferences - General | 15.00 |
| TOTAL | | | | | | | 15.00 |
| | Bill Pmt -Check | 10/03/2013 | 17273 | UNITED HEALTHCARE | 0032608160 | 1012 - Bank of America Gen'l Ckg | |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2013

Financial Report - B1

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|--------------------|---------------------------------|-----------------------------------|--|------------------|
| Bill | 09/30/2013 | 0032808160 | | Dental premium - October 2013 | 60182.2 · Dental & Vision Ins | 481.05 |
| TOTAL | | | | | | <u>481.05</u> |
| Bill Pmt -Check | 10/03/2013 | 17274 | VERIZON | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | 01256121521714508 | | 012561121521714508 | 7405 · PE4-Other Expense | 184.09 |
| Bill | 09/30/2013 | 012519116950792103 | | 012519116950792103 | 6022 · Telephone | 520.47 |
| TOTAL | | | | | | <u>704.56</u> |
| Bill Pmt -Check | 10/03/2013 | 17275 | VISION SERVICE PLAN | 00-101789-0001 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | 0010178900010 | | Vision premium - October 2013 | 60182.2 · Dental & Vision Ins | 57.81 |
| TOTAL | | | | | | <u>57.81</u> |
| Bill Pmt -Check | 10/03/2013 | 17276 | YUKON DISPOSAL SERVICE | 08-K2 213849 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/02/2013 | 08-k2 213849 | | Disposal service for October 2013 | 6024 · Building Repair & Maintenance | 106.53 |
| TOTAL | | | | | | <u>106.53</u> |
| Bill Pmt -Check | 10/11/2013 | 17277 | BOWCOCK, ROBERT | 9/26/13 Board Meeting | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/26/2013 | 9/26 Board Mtg | | 9/26/13 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | <u>125.00</u> |
| Bill Pmt -Check | 10/11/2013 | 17278 | BROWNSTEIN HYATT FARBER SCHRECK | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | 545178 | | GM Contract Extension | 6073 · BHFS Legal - Personnel Matters | 94.50 |
| | | | | Mediation Reservation Fee | 6073 · BHFS Legal - Personnel Matters | 4,000.00 |
| | | | | Employment | 6073 · BHFS Legal - Personnel Matters | 3,956.08 |
| Bill | 09/30/2013 | 545179 | | Audit Response | 6078 · BHFS Legal - Miscellaneous | 463.05 |
| Bill | 09/30/2013 | 545180 | | 545180 | 6907.34 · Santa Ana River Water Rights | 910.80 |
| Bill | 09/30/2013 | 545181 | | 545181 | 6907.33 · Desalter/Hydraulic Control | 157.50 |
| Bill | 09/30/2013 | 545182 | | 545182 | 6275 · BHFS Legal - Advisory Committee | 1,732.07 |
| Bill | 09/30/2013 | 545183 | | 545183 | 6375 · BHFS Legal - Board Meeting | 7,609.64 |
| Bill | 09/30/2013 | 545184 | | 545184 | 8375 · BHFS Legal - Appropriative Pool | 1,701.45 |
| Bill | 09/30/2013 | 545185 | | 545185 | 8475 · BHFS Legal - Agricultural Pool | 1,701.45 |
| Bill | 09/30/2013 | 545186 | | 545186 | 8575 · BHFS Legal - Non-Ag Pool | 6,980.16 |
| Bill | 09/30/2013 | 545187 | | 545187 | 6071 · BHFS Legal - Court Coordination | 913.54 |
| Bill | 09/30/2013 | 545188 | | 545188 | 6907.39 · Recharge Master Plan | 32,153.95 |
| Bill | 09/30/2013 | 545189 | | 545189 | 6078.11 · Safe Yield Recalculation | 2,605.74 |
| Bill | 09/30/2013 | 545190 | | 545190 | 6078.12 · CCG Motion | 2,883.84 |
| Bill | 09/30/2013 | 545191 | | 545191 | 6907.42 · RMPU - Fontana Motion | 11,815.92 |
| Bill | 09/30/2013 | 545193 | | 545193 | 6078 · BHFS Legal - Miscellaneous | 6,875.21 |
| TOTAL | | | | | | <u>86,554.90</u> |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2013

Financial Report - B1

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|---------------------|-----------------------------|---|--|-------------|
| Bill Pmt -Check | 10/11/2013 | 17279 | CRAIG, ROBERT | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/12/2013 | 9/12 Appro Pool Mtg | | 9/12/13 Appropriative Pool Meeting | 6311 · Board Member Compensation | 125.00 |
| Bill | 09/19/2013 | 9/19 Advisory Comm | | 9/19/13 Advisory Committee Meeting | 6311 · Board Member Compensation | 125.00 |
| Bill | 09/26/2013 | 9/26 Board Mtg | | 9/26/13 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | 375.00 |
| Bill Pmt -Check | 10/11/2013 | 17280 | CURATALO, JAMES | 9/16/13 Administrative Meeting | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/16/2013 | 9/16 Admin Mtg | | 9/16/13 Administrative Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | 125.00 |
| Bill Pmt -Check | 10/11/2013 | 17281 | DE BOOM, NATHAN | Ag Pool Member Meeting Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/12/2013 | 9/12 Ag Pool Mtg | | 9/12/13 Ag Pool Meeting | 8411 · Compensation | 25.00 |
| | | | | Ag Pool Member Meeting Compensation | 8470 · Ag Meeting Attend -Special | 100.00 |
| TOTAL | | | | | | 125.00 |
| Bill Pmt -Check | 10/11/2013 | 17282 | DURRINGTON, GLEN | Ag Pool Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/12/2013 | 9/12 Ag Pool Mtg | | 9/12/13 Ag Pool Meeting | 8411 · Compensation | 25.00 |
| | | | | Ag Pool Member Compensation | 8470 · Ag Meeting Attend -Special | 100.00 |
| TOTAL | | | | | | 125.00 |
| Bill Pmt -Check | 10/11/2013 | 17283 | FEENSTRA, BOB | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/12/2013 | 9/12 Ag Pool Mtg | | 9/12/13 Ag Pool Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 09/26/2013 | 9/26 Board Meeting | | 9/26/13 Board Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| TOTAL | | | | | | 250.00 |
| Bill Pmt -Check | 10/11/2013 | 17284 | GALAXY AUDIO VISUAL | 22134 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/07/2013 | 22134 | | Adjustment of projector in Board room | 6057 · Computer Maintenance | 250.00 |
| TOTAL | | | | | | 250.00 |
| Bill Pmt -Check | 10/11/2013 | 17285 | GREAT AMERICA LEASING CORP. | 14285039 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/29/2013 | 14285039 | | Usage for Black Copies | 6043.2 · Ricoh Usage & Maintenance Fee | 310.42 |
| | | | | Usage for Color Copies | 6043.2 · Ricoh Usage & Maintenance Fee | 635.14 |
| TOTAL | | | | | | 945.56 |
| Bill Pmt -Check | 10/11/2013 | 17286 | HALL, PETE* | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/05/2013 | 9/05 RMPU Mtg | | 9/05/13 RMPU Steering Committee Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 09/10/2013 | 9/10 RMPU Mtg | | 9/10/13 RMPU Steering Committee Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 09/12/2013 | 9/12 Ag Pool Mtg | | 9/12/13 Ag Pool Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 09/19/2013 | 9/19 Advisory Comm | | 9/19/13 Advisory Committee Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 09/26/2013 | 9/26 Board Mtg | | 9/26/13 Board Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2013

| TOTAL | <u>Type</u> | <u>Date</u> | <u>Num</u> | <u>Name</u> | <u>Memo</u> | <u>Account</u> | <u>Paid Amount</u> |
|-------|-----------------|-------------|---------------------|-------------------------------------|--|-----------------------------------|--------------------|
| | | | | | | | 625.00 |
| | Bill Pmt -Check | 10/11/2013 | 17287 | HUITSING, JOHN | Ag Pool Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 09/12/2013 | 9/12 Ag Pool Mtg | | 9/12/13 Ag Pool Meeting | 8411 · Compensation | 25.00 |
| | | | | | Ag Pool Member Compensation | 8470 · Ag Meeting Attend -Special | <u>100.00</u> |
| TOTAL | | | | | | | 125.00 |
| | Bill Pmt -Check | 10/11/2013 | 17288 | KOOPMAN, GENE | Ag Pool Member Meeting Compensation | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 09/12/2013 | 9/13 Ag Pool Mtg | | 9/12/13 Ag Pool Meeting | 8411 · Compensation | 25.00 |
| | | | | | Ag Pool Member Meeting Compensation | 8470 · Ag Meeting Attend -Special | <u>100.00</u> |
| TOTAL | | | | | | | 125.00 |
| | Bill Pmt -Check | 10/11/2013 | 17289 | KUHN, BOB | | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 09/04/2013 | 9/04 Admin Mtg | | 9/04/13 Administrative Meeting | 6311 · Board Member Compensation | 125.00 |
| | Bill | 09/12/2013 | 9/12 Appro Pool Mtg | | 9/12/13 Appropriative Pool Meeting | 6311 · Board Member Compensation | 125.00 |
| | Bill | 09/26/2013 | 9/26 Board Mtg | | 9/26/13 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| | Bill | 09/27/2013 | 9/27 Admin Mtg | | 9/27/13 Administrative Meeting | 6311 · Board Member Compensation | <u>125.00</u> |
| TOTAL | | | | | | | 500.00 |
| | Bill Pmt -Check | 10/11/2013 | 17290 | PIERSON, JEFFREY | | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 09/05/2013 | 9/15 RMPU Mtg | | 9/15/13 RMPU Steering Committee Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| | Bill | 09/12/2013 | 9/12 Ag Pool Mtg | | 9/12/13 Ag Pool Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| | Bill | 09/19/2013 | 9/19 Advisory Comm | | 9/19/13 Advisory Committee Meeting | 8470 · Ag Meeting Attend -Special | <u>125.00</u> |
| TOTAL | | | | | | | 375.00 |
| | Bill Pmt -Check | 10/11/2013 | 17291 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493 | 1012 · Bank of America Gen'l Ckg | |
| | General Journal | 09/28/2013 | 09/28/2013 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | CalPERS Retirement for 09/15/13-09/28/13 | 2000 · Accounts Payable | 6,602.94 |
| TOTAL | | | | | | | <u>6,602.94</u> |
| | Bill Pmt -Check | 10/11/2013 | 17292 | ROGERS, PETER | 9/26/13 Board Meeting | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 09/26/2013 | 9/26 Board Mtg | | 9/26/13 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | | <u>125.00</u> |
| | Bill Pmt -Check | 10/11/2013 | 17293 | STAPLES BUSINESS ADVANTAGE | 8027142923 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 09/28/2013 | 8027142923 | | Miscellaneous meeting & office supplies | 6031.7 · Other Office Supplies | 268.21 |
| TOTAL | | | | | | | <u>268.21</u> |
| | Bill Pmt -Check | 10/11/2013 | 17294 | TELECOM SERVICES | 5809 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 10/03/2013 | 5809 | | Install software after power surge-reprogram phone: 6022 · Telephone | | 507.50 |
| TOTAL | | | | | | | <u>507.50</u> |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2013

Financial Report - B1

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|--------------------|---|--|---------------------------------------|-------------|
| Bill Pmt -Check | 10/11/2013 | 17295 | THE LAWTON GROUP | 6017 | 1012 - Bank of America Gen'l Ckg | |
| Bill | 09/29/2013 | 20509 | | Week ending 9/29/13 | 6017 - Temporary Services | 824.00 |
| | | | | Week ending 9/29/13 | 6017.1 - Executive Assistant Services | 1,811.20 |
| | | | | Week ending 9/29/13 | 6017.1 - Executive Assistant Services | 168.00 |
| TOTAL | | | | | | 2,803.20 |
| Bill Pmt -Check | 10/11/2013 | 17296 | UNION 76 | 300-732-989 | 1012 - Bank of America Gen'l Ckg | |
| Bill | 09/29/2013 | 300732989 | | Fuel - September 2013 | 6175 - Vehicle Fuel | 76.82 |
| TOTAL | | | | | | 76.82 |
| Bill Pmt -Check | 10/11/2013 | 17297 | VANDEN HEUVEL, GEOFFREY | 6311 | 1012 - Bank of America Gen'l Ckg | |
| Bill | 09/12/2013 | 9/12 Ag Pool Mtg | | 9/12/13 Ag Pool Meeting | 6311 - Board Member Compensation | 125.00 |
| Bill | 09/26/2013 | 9/26 Board Mtg | | 9/26/13 Board Meeting | 6311 - Board Member Compensation | 125.00 |
| TOTAL | | | | | | 250.00 |
| Bill Pmt -Check | 10/11/2013 | 17298 | VANDEN HEUVEL, ROB | Ag Pool Member Compensation | 1012 - Bank of America Gen'l Ckg | |
| Bill | 09/19/2013 | 9/19 Advisory Comm | | 9/19/13 Advisory Committee Meeting | 8411 - Compensation | 25.00 |
| | | | | Ag Pool Member Compensation | 8470 - Ag Meeting Attend -Special | 100.00 |
| TOTAL | | | | | | 125.00 |
| General Journal | 10/12/2013 | 10/12/2013 | Payroll and Taxes for 09/29/13-10/12/13 | Payroll and Taxes for 09/29/13-10/12/13 | 1012 - Bank of America Gen'l Ckg | |
| | | | | Direct Deposist for 09/29/13-10/12/13 | 1012 - Bank of America Gen'l Ckg | 19,780.43 |
| | | | | Payroll Taxes for 09/29/13-10/12/13 | 1012 - Bank of America Gen'l Ckg | 6,308.69 |
| | | | | Payroll Check for 09/29/13-10/12/13 | 1014 - Bank of America P/R Ckg | 555.71 |
| | | | ICMA-RC | 457 Employee Deductions for 09/29/13-10/12/13 | 1012 - Bank of America Gen'l Ckg | 3,293.42 |
| | | | ICMA-RC | 401(a) Employee Deductions for 09/29/13-10/12/13 | 1012 - Bank of America Gen'l Ckg | 923.03 |
| TOTAL | | | | | | 30,861.28 |
| Check | 10/15/2013 | 10/15/2013 | Service Charge | Service Charge | 1012 - Bank of America Gen'l Ckg | |
| | | | | Service Charge | 6039.1 - Banking Service Charges | 759.28 |
| TOTAL | | | | | | 759.28 |
| Bill Pmt -Check | 10/17/2013 | 17299 | ACWA JOINT POWERS INSURANCE AUTHORITY | 00198 | 1012 - Bank of America Gen'l Ckg | |
| Bill | 10/07/2013 | 00198 | | Prepayment - November | 1409 - Prepaid Life, BAD&D & LTD | 96.90 |
| | | | | October 2013 | 60191 - Life & Disab.Ins Benefits | 96.90 |
| TOTAL | | | | | | 193.80 |
| Bill Pmt -Check | 10/17/2013 | 17300 | CALPERS | 1394905143 | 1012 - Bank of America Gen'l Ckg | |
| Bill | 10/15/2013 | 1394905143 | | Medical Premiums - November 2013 | 60182.1 - Medical Insurance | 5,581.56 |

P20
TOTAL

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2013

Financial Report - B1

| TOTAL | Type | Date | Num | Name | Memo | Account | Paid Amount |
|-------|-----------------|------------|------------|---------------------------------|---|---|-------------|
| | | | | | | | 5,581.56 |
| | Bill Pmt -Check | 10/17/2013 | 17301 | CHINO HILLS, CITY OF* | 11 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 09/30/2013 | 11 | | July-September 2013 | 7107.61 · Grd Level-Chino Hills ASR | 524.50 |
| TOTAL | | | | | | | 524.50 |
| | Bill Pmt -Check | 10/17/2013 | 17302 | COMPUTER NETWORK | | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 10/09/2013 | 88618 | | Replacement Video card | 6055 · Computer Hardware | 302.40 |
| | Bill | 10/11/2013 | 88647 | | Speakers for PC | 6055 · Computer Hardware | 27.00 |
| TOTAL | | | | | | | 329.40 |
| | Bill Pmt -Check | 10/17/2013 | 17303 | CORELOGIC INFORMATION SOLUTIONS | 80982783 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 09/30/2013 | 80982783 | | 80982783 | 7103.7 · Grdwtr Qual-Computer Svc | 62.50 |
| | | | | | 80982783 | 7101.4 · Prod Monitor-Computer | 62.50 |
| TOTAL | | | | | | | 125.00 |
| | Bill Pmt -Check | 10/17/2013 | 17304 | CUCAMONGA VALLEY WATER DISTRICT | Lease due November 1, 2013 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 10/15/2013 | | | Lease due November 1, 2013 | 1422 · Prepaid Rent | 6,160.00 |
| TOTAL | | | | | | | 6,160.00 |
| | Bill Pmt -Check | 10/17/2013 | 17305 | EGOSCUE LAW GROUP | | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 09/30/2013 | 10465 | | Ag Pool Legal Services - September 2013 | 8467 · Ag Legal & Technical Services | 4,537.50 |
| | Bill | 09/30/2013 | 10439 | | Ag Pool Legal Services - August 2013 | 8467 · Ag Legal & Technical Services | 12,375.00 |
| TOTAL | | | | | | | 16,912.50 |
| | Bill Pmt -Check | 10/17/2013 | 17306 | INLAND EMPIRE UTILITIES AGENCY | 1800002259 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 10/11/2013 | 1800002259 | | Hickory Basin Arizona Crossing Cost Share Project | 7690.3 · Hickory Basin Recharge Imprvmt | 30,900.00 |
| TOTAL | | | | | | | 30,900.00 |
| | Bill Pmt -Check | 10/17/2013 | 17307 | OFFICE TEAM | 38891695 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 10/04/2013 | 38891695 | | Week ending 10/04/13 | 6017.1 · Executive Assistant Services | 1,824.80 |
| TOTAL | | | | | | | 1,824.80 |
| | Bill Pmt -Check | 10/17/2013 | 17308 | PREMIERE GLOBAL SERVICES | 14681647 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 09/30/2013 | 14681647 | | Pool agenda/meeting preparation on 9/03 & 9/11 | 8412 · Meeting Expenses | 47.34 |
| | | | | | Pool agenda/meeting preparation on 9/03 & 9/11 | 8512 · Meeting Expense | 47.34 |
| | | | | | Pool agenda/meeting preparation on 9/03 & 9/11 | 8312 · Meeting Expenses | 47.34 |
| | | | | | PK call w/auditors on 9/04 | 6062 · Audit Services | 56.38 |
| | | | | | Non-Ag pool meeting call on 9/12 | 8512 · Meeting Expense | 113.83 |
| | | | | | Call on pending litigation on 9/17 | 6073 · BHFS Legal - Personnel Matters | 38.67 |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2013

Financial Report - B1

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|------------|-------------------------------|--|--------------------------------------|-------------|
| | | | | Calls on 9/25 re RMPU Presentation dry run | 7204 · Comp Recharge-Supplies | 123.57 |
| | | | | Monthly fee | 6022 · Telephone | 17.05 |
| | | | | Monthly fee | 6022 · Telephone | 19.95 |
| TOTAL | | | | | | 511.47 |
| Bill Pmt -Check | 10/17/2013 | 17309 | RON SHELLEY'S AUTOMOTIVE | 3852 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/10/2013 | 3852 | | Tire repair | 6177 · Vehicle Repairs & Maintenance | 40.00 |
| TOTAL | | | | | | 40.00 |
| Bill Pmt -Check | 10/17/2013 | 17310 | STAPLES BUSINESS ADVANTAGE | 8027226963 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/05/2013 | 8027226963 | | Miscellaneous office supplies | 6031.7 · Other Office Supplies | 222.33 |
| | | | | Copier paper | 6031.1 · Copy Paper | 374.56 |
| TOTAL | | | | | | 596.89 |
| Bill Pmt -Check | 10/17/2013 | 17311 | STAULA, MARY L | Oct. 2013 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/15/2013 | Oct. 2013 | | Oct. 2013 | 60182.4 · Retiree Medical | 29.19 |
| TOTAL | | | | | | 29.19 |
| P22 | | | | | | |
| Bill Pmt -Check | 10/17/2013 | 17312 | THE LAWTON GROUP | 6017 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/11/2013 | 20533 | | Week ending 10/06/13 | 6017 · Temporary Services | 659.20 |
| TOTAL | | | | | | 659.20 |
| Bill Pmt -Check | 10/17/2013 | 17313 | UNITED HEALTHCARE | 0032855151 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/14/2013 | 0032855151 | | Dental Premium - November 2013 | 60182.2 · Dental & Vision Ins | 588.27 |
| TOTAL | | | | | | 588.27 |
| Bill Pmt -Check | 10/17/2013 | 17314 | VERIZON BUSINESS | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | 07551316 | | 07551316 - August | 6053 · Internet Expense | 1,509.28 |
| Bill | 09/30/2013 | 08493275 | | 08493275 - September | 6053 · Internet Expense | 1,518.49 |
| Bill | 10/10/2013 | 66435497 | | 66435497 - October | 6053 · Internet Expense | 1,522.63 |
| TOTAL | | | | | | 4,550.40 |
| Bill Pmt -Check | 10/17/2013 | 17315 | VERIZON WIRELESS | 9712689236 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/15/2013 | 9712689236 | | Monthly service | 6022 · Telephone | 295.57 |
| TOTAL | | | | | | 295.57 |
| Bill Pmt -Check | 10/17/2013 | 17316 | WESTERN DENTAL SERVICES, INC. | 11882 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/09/2013 | 11882 | | Dental Premium - October 2013 | 60182.2 · Dental & Vision Ins | 30.00 |
| TOTAL | | | | | | 30.00 |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2013

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|-----------------|------------|------------------------------|---|--|----------------------------------|
| Bill Pmt -Check | 10/23/2013 | 17317 | WILDERMUTH ENVIRONMENTAL INC | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | 2013275 | | 2013275 | 6906 · OBMP Engineering Services | 4,164.23 |
| Bill | 09/30/2013 | 2013276 | | 2013276 | 6906.71 · OBMP - Misc. GM Requests | 3,690.16 |
| Bill | 09/30/2013 | 2013277 | | 2013277 | 6906 · OBMP Engineering Services | 2,088.75 |
| Bill | 09/30/2013 | 2013278 | | 2013278 | 6906 · OBMP Engineering Services | 813.75 |
| Bill | 09/30/2013 | 2013279 | | 2013279 | 6906.1 · OBMP - Watermaster Model Update | 12,875.00 |
| Bill | 09/30/2013 | 2013280 | | 2013280 | 7103.3 · Grdwtr Qual-Engineering | 6,743.75 |
| Bill | 09/30/2013 | 2013281 | | 2013281 | 7104.3 · Grdwtr Level-Engineering | 7,752.40 |
| Bill | 09/30/2013 | 2013282 | | 2013282 | 7107.61 · Grd Level-Chino Hills ASR | 2,731.25 |
| Bill | 09/30/2013 | 2013283 | | Neva Ridge | 7107.3 · Grd Level-SAR Imagery | 14,000.00 |
| Bill | 09/30/2013 | 2013284 | | 2013284 | 7107.2 · Grd Level-Engineering | 5,869.45 |
| Bill | 09/30/2013 | 2013285 | | 2013285 | 7108.3 · Hydraulic Control-Engineering | 3,424.10 |
| Bill | 09/30/2013 | 2013286 | | 2013286 | 7108.7 · Hydraulic Control - Prado Basin | 1,871.84 |
| Bill | 09/30/2013 | 2013287 | | 2013287 | 7202.3 · Comp Recharge-Implementation | 17,854.47 |
| Bill | 09/30/2013 | 2013288 | | 2013288 | 7402 · PE4-Engineering | 1,387.50 |
| Bill | 09/30/2013 | 2013289 | | 2013289 | 7502 · PE6&7-Engineering | 852.50 |
| Bill | 09/30/2013 | 2013290 | | 2013290 | 7108.3 · Hydraulic Control-Engineering | 3,087.50 |
| | | | | | | 89,206.65 |
| TOTAL P23 | General Journal | 10/26/2013 | 10/26/2013 | Payroll and Taxes for 10/13/13-10/26/13 | Payroll and Taxes for 10/13/13-10/26/13 | 1012 · Bank of America Gen'l Ckg |
| | | | | | | 19,635.55 |
| | | | | | | 7,360.34 |
| | | | | | | 1,154.60 |
| | | | | | | 3,127.22 |
| | | | | | | 923.03 |
| | | | | | | 32,200.74 |
| TOTAL | Bill Pmt -Check | 10/28/2013 | 17318 | BANK OF AMERICA | XXXX-XXXX-XXXX-9341 | 1012 · Bank of America Gen'l Ckg |
| | | | | | | 18.19 |
| | | | | | | 92.91 |
| | | | | | | 256.62 |
| | | | | | | 358.38 |
| | | | | | | 175.91 |
| | | | | | | 225.36 |
| | | | | | | 20.18 |
| | | | | | | 176.98 |
| | | | | | | 30.22 |
| | | | | | | 37.39 |
| | | | | | | 181.22 |
| TOTAL | Bill | 09/30/2013 | XXXX-XXXX-XXXX-9341 | | | 1,573.36 |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2013

Financial Report - B1

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|--------------|-------------------------------------|--|---------------------------------------|-------------|
| Bill Pmt -Check | 10/28/2013 | 17319 | GEOSCIENCE SUPPORT SERVICES, INC. | 4555-11-13 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | 4555-11-13 | | August 1 - September 30, 2013 | 7107.61 · Grd Level-Chino Hills ASR | 4,090.00 |
| TOTAL | | | | | | 4,090.00 |
| Bill Pmt -Check | 10/28/2013 | 17320 | GRAINGER | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/14/2013 | 9268436327 | | Storage clipboards | 6151 · Small Tools & Equipment | 191.25 |
| Bill | 10/14/2013 | 9268512747 | | High visibility vest, safety glasses, hard hat | 6151 · Small Tools & Equipment | 123.07 |
| TOTAL | | | | | | 314.32 |
| Bill Pmt -Check | 10/28/2013 | 17321 | GREAT AMERICA LEASING CORP. | 14346941 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/16/2013 | 14346941 | | Invoice | 6043.1 · Ricoh Lease Fee | 3,221.64 |
| | | | | One-time documentation fee | 6043.1 · Ricoh Lease Fee | 109.50 |
| | | | | Transitional billing fee for 9/26-10/10 | 6043.1 · Ricoh Lease Fee | 1,503.43 |
| TOTAL | | | | | | 4,834.57 |
| Bill Pmt -Check | 10/28/2013 | 17322 | LEGAL SHIELD | 111802 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/21/2013 | 0111802 | | Employee deductions - October 2013 | 60194 · Other Employee Insurance | 51.80 |
| TOTAL | | | | | | 51.80 |
| Bill Pmt -Check | 10/28/2013 | 17323 | OFFICE TEAM | 38932219 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/11/2013 | 38932219 | | Week ending 10/11/13 | 6017.1 · Executive Assistant Services | 1,779.18 |
| | | | | Overtime week ending 10/11/13 | 6017.1 · Executive Assistant Services | 153.97 |
| TOTAL | | | | | | 1,933.15 |
| Bill Pmt -Check | 10/28/2013 | 17324 | PITNEY BOWES CREDIT CORPORATION | 6684246 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/21/2013 | 6684246 | | Leasing charge | 6044 · Postage Meter Lease | 548.64 |
| TOTAL | | | | | | 548.64 |
| Bill Pmt -Check | 10/28/2013 | 17325 | PRINTING RESOURCES | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/18/2013 | 60234 | | Business cards: Bill McLaughlin | 6031.7 · Other Office Supplies | 146.13 |
| Bill | 10/19/2013 | 60235 | | Nameplates: Anna Truong and Please Sign In | 6031.7 · Other Office Supplies | 59.16 |
| TOTAL | | | | | | 205.29 |
| Bill Pmt -Check | 10/28/2013 | 17326 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493 | 1012 · Bank of America Gen'l Ckg | |
| General Journal | 10/12/2013 | 10/12/2013 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | CalPERS Retirement for 09/29/13-10/12/13 | 2000 · Accounts Payable | 6,693.19 |
| TOTAL | | | | | | 6,693.19 |
| Bill Pmt -Check | 10/28/2013 | 17327 | STANDARD INSURANCE CO. | Policy # 00-649299-0009 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/24/2013 | 006492990009 | | Policy # 00-649299-0009 | 60191 · Life & Disab.Ins Benefits | 482.28 |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2013

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|------------|---|---|----------------------------------|--------------------------|
| TOTAL | | | | | | 482.28 |
| Bill Pmt -Check | 10/28/2013 | 17328 | STAPLES BUSINESS ADVANTAGE | 8027324440 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/12/2013 | 8027324440 | | Miscellaneous office supplies | 6031.7 · Other Office Supplies | 12.94 |
| TOTAL | | | | | | 12.94 |
| Bill Pmt -Check | 10/28/2013 | 17329 | THE LAWTON GROUP | 6017 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/13/2013 | 20575 | | Week ending 10/13/13 | 6017 · Temporary Services | 164.80 |
| TOTAL | | | | | | 164.80 |
| General Journal | 10/31/2013 | 10/31/2013 | Wage Works FSA Direct Debits - October 2013 | Wage Works FSA Direct Debits - October 2013 | 1012 · Bank of America Gen'l Ckg | |
| | | | | Wage Works FSA Direct Debits - October 2013 | 1012 · Bank of America Gen'l Ckg | 393.08 |
| | | | | Wage Works FSA Direct Debits - October 2013 | 1012 · Bank of America Gen'l Ckg | 393.08 |
| | | | | Wage Works FSA Direct Debits - October 2013 | 1012 · Bank of America Gen'l Ckg | 76.25 |
| TOTAL | | | | | | 862.41 |
| | | | | | Total Disbursements: | <u>400,960.13</u> |

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CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: December 12, 2013
TO: Pool Committee Members
SUBJECT: VISA Check Detail Report - Financial Report B2 (October 31, 2013)

SUMMARY

Issue: Record of VISA credit card payment disbursed for the month of October 31, 2013.

Recommendation: Receive and file VISA Check Detail Report for October 31, 2013 as presented.

Financial Impact: Funds disbursed were included in the FY 2013-2014 Watermaster Budget.

Future Consideration

Appropriative Pool: December 12, 2013; Receive and File

Non-Agricultural Pool: December 12, 2013; Receive and File

Agricultural Pool: December 12, 2013; Receive and File

Advisory Committee: December 19, 2013; Receive and File

Watermaster Board: December 19, 2013; Receive and File (Normal Course of Business)

ACTIONS:

December 12, 2013 – Appropriative Pool –

December 12, 2013 – Non-Agricultural Pool –

December 12, 2013 – Agricultural Pool –

December 19, 2013 – Advisory Committee –

December 19, 2013 – 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

Total cash disbursement during the month of October 2013 was \$1,573.36. This payment was processed by check number 17318 dated October 28, 2013. The monthly charges for October 2013 were for routine and customary expenditures and properly documented with receipts.

ATTACHMENTS

1. Financial Report - B2

CHINO BASIN WATERMASTER
 VISA Check Detail Report
 October 2013

| Type | Num | Date | Name | Memo | Account | Paid Amount |
|-----------------|------------|---------------------|-----------------|--|--|------------------------|
| Bill Pmt -Check | 10/28/2013 | 17318 | BANK OF AMERICA | XXXX-XXXX-XXXX-9341 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | XXXX-XXXX-XXXX-9341 | | PK Lunch w/Doug Headrick @ SBVMWD | 6909.1 · OBMP Meetings | 18.19 |
| | | | | GRA Membership for PK | 6111 · Membership Dues | 92.91 |
| | | | | Reg.-PK-attend GRA Collaborative Leadership | 6193.2 · Conference - Registration Fee | 256.62 |
| | | | | Reg.-PK-attend GRA 29th Groundwater Conf. | 6193.2 · Conference - Registration Fee | 358.38 |
| | | | | PK flight to Sacramento | 6191 · Conferences - General | 175.91 |
| | | | | Car rental fee | 6191 · Conferences - General | 225.36 |
| | | | | PK meeting w/Rick Hansen - TVMWD | 8312 · Meeting Expenses | 20.18 |
| | | | | Reg. fee-PK-attend the SCWC 29th Annual Dinner | 6193.2 · Conference - Registration Fee | 176.98 |
| | | | | Working lunch for PK and JJ re Human Resources | 6141.3 · Admin Meetings | 30.22 |
| | | | | Flash card/mini card reader for recorder-boardroom | 6031.7 · Other Office Supplies | 37.39 |
| | | | | Lunch for completion of RMPU | 7204 · Comp Recharge-Supplies | 181.22 |
| | | | | | Total Disbursements: | <u>1,573.36</u> |

TOTAL

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CHINO BASIN WATERMASTER

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: December 12, 2013
TO: Pool Committee Members
SUBJECT: Combining Schedule of Revenue, Expenses and Changes in Working Capital for the Period July 1, 2013 through October 31, 2013 - Financial Report B3 (October 31, 2013)

SUMMARY

Issue: Record of Revenue, Expenses and Changes in Working Capital for the Period July 1, 2013 through October 31, 2013.

Recommendation: Receive and file Combining Schedule of Revenue, Expenses and Changes in Working Capital for the Period July 1, 2013 through October 31, 2013 as presented.

Financial Impact: Funds disbursed were included in the FY 2013-2014 Watermaster Budget.

Future Consideration

Appropriative Pool: December 12, 2013; Receive and File
Non-Agricultural Pool: December 12, 2013; Receive and File
Agricultural Pool: December 12, 2013; Receive and File
Advisory Committee: December 19, 2013; Receive and File
Watermaster Board: December 19, 2013; Receive and File (Normal Course of Business)

ACTIONS:

December 12, 2013 – Appropriative Pool –
December 12, 2013 – Non-Agricultural Pool –
December 12, 2013 – Agricultural Pool –
December 19, 2013 – Advisory Committee –
December 19, 2013 – Watermaster Board –

BACKGROUND

A Combining Schedule of Revenue, Expenses and Changes in Working Capital for the period July 1, 2013 through October 31, 2013 is provided to keep all members apprised of the FY 2013-2014 cumulative Watermaster revenues, expenditures and changes in working capital for the period listed.

DISCUSSION

The Combining Schedule of Revenue, Expenses and Changes in Working Capital has been created from various financial reports and statements created from QuickBooks Enterprise Solutions 13.0, 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 WORKING CAPITAL
 FOR THE PERIOD JULY 1, 2013 THROUGH OCTOBER 31, 2013

Financial Report - B3

| | WATERMASTER ADMINISTRATION | OPTIMUM BASIN MANAGEMENT | POOL ADMINISTRATION & SPECIAL PROJECTS | | | GROUNDWATER OPERATIONS | | LAIF VALUE ADJ. | GRAND TOTALS | BUDGET 2013-2014 |
|---|-------------------------------|--------------------------------|--|-------------------|------------------|------------------------------|----------------|--------------------|--------------------|---------------------|
| | | | APPROPRIATIVE POOL | AG POOL | NON-AG POOL | GROUNDWATER REPLENISHMENT | SB222 FUNDS | | | |
| Administrative Revenues: | | | | | | | | | | |
| Administrative Assessments | | | - | | - | | | | - | 6,602,605 |
| Interest Revenue | | | 2,724 | 314 | 83 | | | | 3,121 | 29,700 |
| Mutual Agency Project Revenue | 153,036 | | | | | | | | 153,036 | 154,581 |
| Grant Income | | | | | | | | | - | 0 |
| Miscellaneous Income | | | | | | | | | - | 0 |
| Total Revenues | 153,036 | - | 2,724 | 314 | 83 | - | - | - | 156,156 | 6,786,886 |
| Administrative & Project Expenditures: | | | | | | | | | | |
| Watermaster Administration | 504,449 | | | | | | | | 504,449 | 705,399 |
| Watermaster Board-Advisory Committee | 53,081 | | | | | | | | 53,081 | 205,657 |
| Ag Pool Misc. Expense - Ag Fund | | | | 94 | | | | | 94 | 400 |
| Pool Administration | | | 41,034 | 61,069 | 32,278 | | | | 134,381 | 599,649 |
| Optimum Basin Mgmt Administration | | 465,704 | | | | | | | 465,704 | 1,237,798 |
| OBMP Project Costs | | 814,957 | | | | | | | 814,957 | 3,723,076 |
| Debt Service | | 406,127 | | | | | | | 406,127 | 456,093 |
| Basin Recharge Improvements | | 30,900 | | | | | | | 30,900 | 655,544 |
| Education Funds Use | | | | | | | | | - | 0 |
| Mutual Agency Project Costs | | | | | | | | | - | 10,000 |
| Total Administrative/OBMP Expenses | 557,529 | 1,717,687 | 41,034 | 61,069 | 32,278 | - | - | - | 2,409,691 | 7,593,616 |
| Net Administrative/OBMP Expenses | (404,494) | (1,717,687) | | | | | | | | |
| Allocate Net Admin Expenses To Pools | 404,494 | | 287,602 | 102,767 | 14,125 | | | | - | - |
| Allocate Net OBMP Expenses To Pools | | 1,311,561 | 932,541 | 333,218 | 45,802 | | | | - | - |
| Allocate Debt Service to App Pool | | 406,127 | 406,127 | | | | | | - | - |
| Agricultural Expense Transfer* | | | 497,054 | (497,054) | | | | | - | - |
| Total Expenses | | | 2,164,356 | 94 | 92,205 | - | - | - | 2,409,691 | 7,593,616 |
| Net Administrative Income | | | (2,161,632) | 220 | (92,122) | - | - | - | (2,253,535) | (806,730) |
| Other Income/(Expense) | | | | | | | | | | |
| Replenishment Water Assessments | | | - | | - | - | | | - | 0 |
| Non-Ag Stored Water Purchases | | | - | | | | | | - | 0 |
| Interest Revenue | | | | | | 441 | | | 441 | 0 |
| MWD Water Purchases | | | | | | - | | | - | 0 |
| Non-Ag Stored Water Purchases | | | - | | | | | | - | 0 |
| MWD Water Purchases | | | | | | - | | | - | 0 |
| Groundwater Replenishment | | | | | | - | | | - | 0 |
| Interest Expense - CalPERS Side Fund | | | - | | - | | | | - | 0 |
| Refund-Excess Reserves | | | - | | - | | | | - | 0 |
| Refund-Recharge Debt | | | - | | - | | | | - | 0 |
| Net Other Income/(Expense) | | | - | - | - | 441 | - | - | 441 | 0 |
| Net Transfers To/(From) Reserves | | (2,253,093) | (2,161,632) | 220 | (92,122) | 441 | - | - | (2,253,093) | (806,730) |
| Working Capital, July 1, 2013 | | | 4,759,923 | 478,917 | 156,647 | 667,399 | 158,251 | 1,763 | 6,222,901 | |
| Working Capital, End Of Period | | | 2,598,291 | 479,137 | 64,525 | 667,840 | 158,251 | 1,763 | 3,969,807 | 3,969,807 |
| 12/13 Assessable Production | | | 96,433.754 | 34,458.009 | 4,736.325 | | | | 135,628.088 | |
| 12/13 Production Percentages | | | 71.102% | 25.406% | 3.492% | | | | 100.000% | |

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

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CHINO BASIN WATERMASTER

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: December 12, 2013
TO: Pool Committee Members
SUBJECT: Treasurer's Report of Financial Affairs for the Period September 1, 2013 through October 31, 2013 - Financial Report B4 (October 31, 2013)

SUMMARY

Issue: Record of increases or decreases in the cash position, assets and liabilities of Watermaster for the Period of September 1, 2013 through October 31, 2013.

Recommendation: Receive and file Treasurer's Report of Financial Affairs for the Period September 1, 2013 through October 31, 2013 as presented.

Financial Impact: Funds disbursed were included in the FY 2013-2014 Watermaster Budget.

Future Consideration

Appropriative Pool: December 12, 2013; Receive and File
Non-Agricultural Pool: December 12, 2013; Receive and File
Agricultural Pool: December 12, 2013; Receive and File
Advisory Committee: December 19, 2013; Receive and File
Watermaster Board: December 19, 2013; Receive and File (Normal Course of Business)

ACTIONS:

December 12, 2013 – Appropriative Pool –
December 12, 2013 – Non-Agricultural Pool –
December 12, 2013 – Agricultural Pool –
December 19, 2013 – Advisory Committee –
December 19, 2013 – Watermaster Board –

BACKGROUND

A Treasurer's Report of Financial Affairs for the Period September 1, 2013 through October 31, 2013 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 QuickBooks Enterprise Solutions 13.0, 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
OCTOBER 1, 2013 THROUGH OCTOBER 31, 2013**

Financial Report - B4

DEPOSITORIES:

| | | | | |
|---|------------|---------|----|---------------------|
| Cash on Hand - Petty Cash | | | \$ | 500 |
| Bank of America | | | | |
| Governmental Checking-Demand Deposits | \$ | 586,225 | | |
| Zero Balance Account - Payroll | \$ | - | | 586,225 |
| Local Agency Investment Fund - Sacramento | | | | 3,789,444 |
| TOTAL CASH IN BANKS AND ON HAND | | | | \$ 4,376,169 |
| TOTAL CASH IN BANKS AND ON HAND | 10/31/2013 | | | 4,773,567 |
| | 9/30/2013 | | | 4,773,567 |
| PERIOD INCREASE (DECREASE) | | | | \$ (397,398) |

CHANGE IN CASH POSITION DUE TO:

| | | | | |
|--|--|--|----|---------------------|
| Decrease/(Increase) in Assets: Accounts Receivable | | | \$ | 3,517 |
| Assessments Receivable | | | | - |
| Prepaid Expenses, Deposits & Other Current Assets | | | | - |
| (Decrease)/Increase in Liabilities: Accounts Payable | | | | 179,443 |
| Accrued Payroll, Payroll Taxes & Other Current Liabilities | | | | 12,557 |
| Transfer to/(from) Reserves | | | | (592,915) |
| PERIOD INCREASE (DECREASE) | | | | \$ (397,398) |

SUMMARY OF FINANCIAL TRANSACTIONS:

| | Petty Cash | Govt'l Checking Demand | Zero Balance Account Payroll | Local Agency Investment Funds | Totals |
|--------------------------------------|---------------|---------------------------|------------------------------------|----------------------------------|---------------------|
| Balances as of 9/30/2013 | \$ 500 | \$ (12,815) | \$ - | \$ 4,785,882 | \$ 4,773,567 |
| Deposits | - | 1,000,000 | - | 3,562 | 1,003,562 |
| Transfers | - | (82,206) | 72,393 | (1,000,000) | (1,009,813) |
| Withdrawals/Checks | - | (318,754) | (72,393) | - | (391,148) |
| | | | | | |
| Balances as of 10/31/2013 | \$ 500 | \$ 586,225 | \$ - | \$ 3,789,444 | \$ 4,376,169 |
| PERIOD INCREASE OR (DECREASE) | \$ - | \$ 599,040 | \$ - | \$ (996,438) | \$ (397,398) |

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**CHINO BASIN WATERMASTER
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD
OCTOBER 1, 2013 THROUGH OCTOBER 31, 2013**

Financial Report - B4

INVESTMENT TRANSACTIONS

| Effective Date | Transaction | Depository | Activity | Redeemed | Days to Maturity | Interest Rate(*) | Maturity Yield |
|--------------------------------------|-------------|------------|---------------------|----------|------------------|------------------|----------------|
| 10/4/2013 | Withdrawal | L.A.I.F | \$ (400,000) | | | | |
| 10/15/2013 | Interest | L.A.I.F | \$ 3,562 | | | | |
| 10/23/2013 | Withdrawal | L.A.I.F | \$ (600,000) | | | | |
| TOTAL INVESTMENT TRANSACTIONS | | | \$ (996,438) | - | | | |

* The earnings rate for L.A.I.F. is a daily variable rate; 0.26% was the effective yield rate at the Quarter ended September 30, 2013.

**INVESTMENT STATUS
October 31, 2013**

| <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 | \$ 3,789,444 | | | |
| TOTAL INVESTMENTS | \$ 3,789,444 | | | |

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

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

Respectfully submitted,

Joseph S. Joswiak
Chief Financial Officer
Chino Basin Watermaster

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CHINO BASIN WATERMASTER

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

STAFF REPORT

DATE: December 12, 2013
TO: Pool Committee Members
SUBJECT: Budget vs. Actual Report for the Period July 1, 2013 through October 31, 2013 -
Financial Report B5 (October 31, 2013)

SUMMARY

Issue: Record of revenues and expenses of Watermaster for the Period of July 1, 2013 through October 31, 2013.

Recommendation: Receive and file Budget vs. Actual Report for the Period July 1, 2013 through October 31, 2013 as presented.

Financial Impact: Funds disbursed were included in the FY 2013-2014 Watermaster Budget.

Future Consideration

Appropriative Pool: December 12, 2013; Receive and File
Non-Agricultural Pool: December 12, 2013; Receive and File
Agricultural Pool: December 12, 2013; Receive and File
Advisory Committee: December 19, 2013; Receive and File
Watermaster Board: December 19, 2013; Receive and File (Normal Course of Business)

ACTIONS:

December 12, 2013 – Appropriative Pool –
December 12, 2013 – Non-Agricultural Pool –
December 12, 2013 – Agricultural Pool –
December 19, 2013 – Advisory Committee –
December 19, 2013 – Watermaster Board –

BACKGROUND

A Budget vs. Actual Report for the period July 1, 2013 through October 31, 2013 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.

DISCUSSION

The Budget vs. Actual report has been created from QuickBooks Enterprise Solutions 13.0, 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.

There was a Budget Amendment approved during the October 2013 meetings as a result of increased costs related to the Wineville Proof of Concept Project. Budget Amendment Form (A-13-10-01) in the amount of \$62,150 increased the Amended FY 2013/14 budget from \$7,531,466 to \$7,593,616. Budget Amendment Form (A-13-10-01) was recorded to the accounting records for the accounting period ending October 31, 2013, and is included in this financial report. The amount of \$62,150 was included in account (7209.2) Wineville Basin.

Year-To-Date (YTD) for the four months ending October 31, 2013, all but four categories were at or below the projected budget. Overall, the (YTD) Actual Expenses were \$1,401,049 or 36.8% below the (YTD) Budgeted Expenses of \$3,810,741. The four categories above budget were the Watermaster Administrative Salary/Benefits Costs (6010's) over budget by the amount of \$27,771; Watermaster Legal Services (6070's) over budget by the amount of \$69,603; Insurance expenses (6080's) over budget by the amount of \$7,397; and Optimum Basin Management Plan expenses (6900's) over budget by the amount of \$12,321. Please note that the Watermaster Administrative Salary/Benefits Costs (6010's) are not the grand total of all Watermaster salary costs. The category (6010's) captures the portion of the total Watermaster Salary/Benefits Costs allocated to specific Administrative tasks. The consolidated Watermaster Salaries expenses, Watermaster Legal Services, and Optimum Basin Management Plan expenses are discussed in greater detail within their specific sections.

The Insurance budget was developed by Watermaster staff with the assumption of maintaining the existing levels of business insurance coverage as the previous fiscal years. There was no intent to add any new coverage(s). However, it was decided that Watermaster should apply and purchase Directors and Officers Liability Insurance, which had not been part of the Watermaster insurance policies in the past. The application for coverage was submitted by our insurance broker to approximately ten to fifteen insurance carriers in June 2013 and Watermaster was accepted and approved for coverage. The cost of the D&O coverage was approximately \$7,500 which included the annual broker fee. Within the next few months, as the current fiscal year progresses, a Budget Transfer Form could be submitted to adjust this budget category shortfall.

SALARIES EXPENSE

Watermaster utilizes an in-house database time and attendance system to allocate staff's actual hours worked and also allocates the hours to a specific project or activity. Watermaster staff time could be charged to Administrative, OBMP, or Implementation Project categories. Recently, some Watermaster staff spent more time on administrative related tasks and less time on specific OBMP or project related areas. When the FY 2013/14 budget was developed, basic assumptions were used in allocating how staff's time would be spent and on which 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. This is what is currently occurring within the Administrative Salary/Benefit costs category.

As of October 31, 2013, the total (YTD) Watermaster salary expenses are \$40,847 or 8.8% below the (YTD) budgeted amount of \$466,544. The budget was developed with a staffing level of nine Full-Time Equivalents (FTE's). As of October 31, 2013, the actual staffing level was eight Full-Time Equivalents (FTE's). The single vacant position was the Executive Assistant position which is currently being filled by a temporary employee from an Employment Agency. Those temporary employee costs are not included as part of the Salaries expenses listed below. Regarding the Executive Assistant, the position has been filled and the new hire started on Wednesday, December 4, 2013.

The table summarizes the Year-To-Date (YTD) Actual Watermaster salary costs compared to the Year-To-Date (YTD) Budget as of October 31, 2013. 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 table listed below shows how on a consolidated basis, the Watermaster employee activity compares with the budgeted activity. In some cases, the activity is above the budget, and in most cases, the activity is below the budget. The following details are provided:

| | <u>Jul '13 - Oct '13</u> | <u>Budget</u> | <u>\$ Over Budget</u> | <u>% of Budget</u> | <u>Annual Budget</u> |
|---|--------------------------|-------------------|-----------------------|--------------------|----------------------|
| WM Salary Expense | | | | | |
| 6011 · WM Staff Salaries | 236,861.01 | 198,210.85 | 38,650.16 | 119.5% | 585,623.00 |
| 6011.2 · WM Staff - Admin. Paid Leave | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 6201 · Advisory Committee - WM Staff Salaries | 4,029.07 | 6,690.68 | -2,661.61 | 60.22% | 19,768.00 |
| 6301 · Watermaster Board - WM Staff Salaries | 5,982.62 | 11,270.44 | -5,287.82 | 53.08% | 33,299.00 |
| 8301 · Appropriative Pool - WM Staff Salaries | 6,086.21 | 9,197.03 | -3,110.82 | 66.18% | 27,173.00 |
| 8401 · Agricultural Pool - WM Staff Salaries | 5,602.48 | 7,907.15 | -2,304.67 | 70.85% | 23,362.00 |
| 8501 · Non-Agricultural Pool - WM Staff Salaries | 1,848.14 | 4,810.92 | -2,962.78 | 38.42% | 14,214.00 |
| 6901 · OBMP - WM Staff Salaries | 60,964.26 | 71,716.63 | -10,752.37 | 85.01% | 211,890.00 |
| 7101.1 · Production Monitor - WM Staff Salaries | 19,840.70 | 27,381.20 | -7,540.50 | 72.46% | 80,899.00 |
| 7102.1 · In-line Meter - WM Staff Salaries | 740.23 | 3,601.56 | -2,861.33 | 20.55% | 10,641.00 |
| 7103.1 · Grdwater Quality - WM Staff Salaries | 6,820.82 | 21,502.72 | -14,681.90 | 31.72% | 64,261.00 |
| 7104.1 · Grdwater Level - WM Staff Salaries | 22,227.67 | 20,143.55 | 2,084.12 | 110.35% | 59,515.00 |
| 7105.1 · Sur Wtr Qual - WM Staff Salaries | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 7107.1 · Grd Level Monitoring - WM Staff Salaries | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 7108.1 · Hydraulic Control - WM Staff Salaries | 0.00 | 597.81 | -597.81 | 0.0% | 2,355.00 |
| 7108.11 · Prado Basin - WM Staff Salaries | 2,354.99 | 2,548.64 | -193.65 | 92.4% | 7,646.00 |
| 7201 · Comp Recharge - WM Staff Salaries | 8,040.25 | 17,685.32 | -9,645.07 | 45.46% | 52,252.00 |
| 7301 · PE3&5 - WM Staff Salaries | 182.76 | 4,760.45 | -4,577.69 | 3.84% | 14,065.00 |
| 7401 · PE4 - WM Staff Salaries | 1,345.70 | 2,897.88 | -1,552.18 | 46.44% | 8,562.00 |
| 7501.1 · PE 6&7 - WM Staff Salaries (Plume) | 0.00 | 2,089.65 | -2,089.65 | 0.0% | 6,174.00 |
| 7501 · PE6&7 - WM Staff Salaries | 224.28 | 1,357.87 | -1,133.59 | 16.52% | 4,058.00 |
| 7601 · PE8&9 - WM Staff Salaries | 1,061.79 | 6,413.16 | -5,351.37 | 16.56% | 18,948.00 |
| 7701 · Inactive Well - WM Staff Salaries | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| Subtotal WM Staff Costs | 384,212.98 | 420,783.51 | -36,570.53 | 91.31% | 1,244,705.00 |
| 60185 · Vacation | 27,711.78 | 24,106.64 | 3,605.14 | 114.96% | 60,320.00 |
| 60185.2 · Comp Time Accrual Adjustment | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 60185.3 · Vacation Accrual Adjustment | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 60186 · Sick Leave | 4,211.37 | 14,436.00 | -10,224.63 | 29.17% | 43,308.00 |
| 60186.1 · Sick Leave Accrual Adjustment | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 60187 · Holidays | 9,561.20 | 7,218.00 | 2,343.20 | 132.46% | 43,308.00 |
| Subtotal WM Paid Leaves | 41,484.35 | 45,760.64 | -4,276.29 | 90.66% | 146,936.00 |
| Total WM Salary Costs | 425,697.33 | 466,544.15 | -40,846.82 | 91.25% | 1,391,641.00 |

BROWNSTEIN HYATT FARBER SCHRECK EXPENSES

As of October 31, 2013, the total (YTD) BHFS legal expenses are \$105,720 or 35.7% above the (YTD) budgeted amount of \$295,747. Some of the specific legal categories were under budget for the month, while other categories were over the budget. At the present time, there is no proposal to complete a

Budget Transfer Form to adjust the existing BHFS legal services budget of \$757,490.

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 2013/14. The total budget was developed by multiplying the number of hours that would be required to complete the specific tasks by the hourly rate. Unfortunately, three specific activities were never included as part of the budget when initially developed and approved, and while another activity was anticipated and budgeted for, it was not budgeted at the level of legal support required. These activities were Personnel Matters (6073), CCG Motion (6078.12), Safe Yield Recalculation (6907.42), and RMPU-City of Fontana Motion (6907.43). Over the next few months, as the current fiscal year progresses, a Budget Transfer Form could be submitted to adjust this budget category shortfall.

CCG Motion, Safe Yield Recalculation and RMPU-City of Fontana Motion: As new legal activities are established, an account code is developed and assigned to capture the costs. To date, there have been three new accounts created. As of October 31, 2013 the CCG Motion (6078.12) has cumulative year-to-date costs of \$64,772; Safe Yield Recalculation (6907.42) has cumulative year-to-date costs of \$46,461; and RMPU-City of Fontana Motion (6907.43) has cumulative year-to-date costs of \$36,061. Please note these costs were not anticipated or expected when the FY 2013/14 legal services budget was developed and approved.

Personnel Matters: As reported during the current 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. Aside from the Alvarez appeal and a separate issue, a former employee's attorney has recently informed Watermaster of a potential wrongful termination suit against Watermaster. As of October 31, 2013 both activities totaled \$43,772 and these activities were not part of the original fiscal year budget amount of \$757,490. These two separate legal activities will continue until a resolution is reached. These activities are recorded under Personnel Matters (6073). The anticipated activity for this category was the General Manager's annual evaluation, along with the development of the General Manager's employment contract. All of the ongoing employment related costs for the General Manager was budgeted at \$7,000. The cost to date for this activity is \$6,084.

As approved during the June 2013 meetings, the Pools, Advisory Committee and the Board meeting for the month of July 2013 were not held. However, there were several other special and confidential meetings held during the month of July for the Appropriative Pool, Agricultural Pool and Board. As a result, the related meeting expenses from (BHFS) within the accounts (6275, 6375, 8375, 8475 and 8575) were lower than budgeted. Overall, this category of legal expenses as of October 31, 2013 was \$9,089 or 12.5% below the budgeted amount of \$72,880.

The OBMP legal expenses were above the budget for the month. As mentioned above, there were two new accounts added to the OBMP section. The accounts were the Safe Yield Recalculation (6907.42) and the RMPU-City of Fontana Motion (6907.43). Both accounts do not have budget dollars allocated. The Recharge Master Plan legal expenses were \$31,744 or 80.0% above the budget of \$39,700. As of October 31, 2013 this category of legal expenses was \$45,205 or 35.3% above the budgeted amount of \$128,050.

The table listed below summarizes the Brownstein Hyatt Farber Schreck (BHFS) expenses as of October 31, 2013 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 '13 - Oct '13</u> | <u>Budget</u> | <u>\$ Over Budget</u> | <u>% of Budget</u> | <u>Annual Budget</u> |
|---|--------------------------|-------------------|-----------------------|--------------------|----------------------|
| 6070 · Watermaster Legal Services | | | | | |
| 6071 · BHFS Legal - Court Coordination | 3,869.59 | 12,508.36 | -8,638.77 | 30.94% | 37,525.00 |
| 6072 · BHFS Legal - Annotated Judgment | 17,122.47 | 24,233.32 | -7,110.85 | 70.66% | 36,350.00 |
| 6073 · BHFS Legal - Personnel Matters | 49,855.98 | 7,000.00 | 42,855.98 | 712.23% | 7,000.00 |
| 6074 · BHFS Legal - Interagency Issues | 0.00 | 16,800.00 | -16,800.00 | 0.0% | 50,400.00 |
| 6075 · BHFS Legal - Replenishment Water | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 6076 · BHFS Legal - Storage Issues | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 6077 · BHFS Legal - Party Status Maintenance | 0.00 | 8,566.64 | -8,566.64 | 0.0% | 25,700.00 |
| 6078 · BHFS Legal - Miscellaneous (Note 1) | 28,799.66 | 10,908.36 | 17,891.30 | 264.02% | 32,725.00 |
| 6078.10 · BHFS Legal - Refresh, Recharge, Reunite | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 6078.11 · BHFS Legal - Safe Yield Recalculation | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 6078.12 · BHFS Legal - CCG Motion | 64,772.44 | 0.00 | 64,772.44 | 100.0% | 0.00 |
| 6078.20 · BHFS Legal - Approp. Pool Issue Resolution | 0.00 | 14,800.00 | -14,800.00 | 0.0% | 44,400.00 |
| Total 6070 · Watermaster Legal Services | <u>164,420.14</u> | <u>94,816.68</u> | <u>69,603.46</u> | <u>173.41%</u> | <u>234,100.00</u> |
| | | | | | |
| 6275 · BHFS Legal - Advisory Committee | 3,691.42 | 11,200.00 | -7,508.58 | 32.96% | 33,600.00 |
| 6375 · BHFS Legal - Board Meeting | 28,364.58 | 28,080.00 | 284.58 | 101.01% | 84,240.00 |
| 8375 · BHFS Legal - Appropriative Pool | 7,070.38 | 11,200.00 | -4,129.62 | 63.13% | 33,600.00 |
| 8475 · BHFS Legal - Agricultural Pool | 6,837.85 | 11,200.00 | -4,362.15 | 61.05% | 33,600.00 |
| 8575 · BHFS Legal - Non-Ag Pool | 17,826.61 | 11,200.00 | 6,626.61 | 159.17% | 33,600.00 |
| Total BHFS Legal Services | <u>63,790.84</u> | <u>72,880.00</u> | <u>-9,089.16</u> | <u>87.53%</u> | <u>218,640.00</u> |
| | | | | | |
| 6907.3 · WM Legal Counsel | | | | | |
| 6907.30 · Peace II - CEQA | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 6907.31 · Archibald South Plume | 0.00 | 9,491.64 | -9,491.64 | 0.0% | 28,475.00 |
| 6907.32 · Chino Airport Plume | 8,381.69 | 20,400.00 | -12,018.31 | 41.09% | 61,200.00 |
| 6907.33 · Desalter/Hydraulic Control | 7,789.95 | 16,366.64 | -8,576.69 | 47.6% | 49,100.00 |
| 6907.34 · Santa Ana River Water Rights | 1,150.45 | 9,466.64 | -8,316.19 | 12.15% | 28,400.00 |
| 6907.35 · Paragraph 31 Motion | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 6907.36 · Santa Ana River Habitat | 684.45 | 7,500.00 | -6,815.55 | 9.13% | 22,500.00 |
| 6907.37 · Water Auction | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 6907.38 · Reg. Water Quality Cntrl Board | 0.00 | 4,283.36 | -4,283.36 | 0.0% | 12,850.00 |
| 6907.39 · Recharge Master Plan | 71,443.98 | 39,700.00 | 31,743.98 | 179.96% | 39,700.00 |
| 6907.40 · Storage Agreements | 1,283.40 | 6,233.36 | -4,949.96 | 20.59% | 18,700.00 |
| 6907.41 · Prado Basin Habitat Sustainability | 0.00 | 6,233.36 | -6,233.36 | 0.0% | 18,700.00 |
| 6907.42 · Safe Yield Recalculation | 46,460.68 | 0.00 | 46,460.68 | 100.0% | 0.00 |
| 6907.43 · RMPU - City of Fontana Motion | 36,060.75 | 0.00 | 36,060.75 | 100.0% | 0.00 |
| 6907.90 · WM Legal Counsel - Unanticipated | 0.00 | 8,375.00 | -8,375.00 | 0.0% | 25,125.00 |
| Total 6907 · WM Legal Counsel | <u>173,255.35</u> | <u>128,050.00</u> | <u>45,205.35</u> | <u>135.3%</u> | <u>304,750.00</u> |
| | | | | | |
| Total Brownstein, Hyatt, Farber, Schreck Costs | <u>401,466.33</u> | <u>295,746.68</u> | <u>105,719.65</u> | <u>135.75%</u> | <u>757,490.00</u> |

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; and (7) Miscellaneous legal research on current and pending issues.

OBMP ENGINEERING SERVICES AND LEGAL COSTS

For October 31, 2013, the accounts 6901-6906 (Optimum Basin Mgmt Program) section was below the Year-To-Date (YTD) budget by \$21,132 or 10.2%.

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 \$114,266 while some other line item activities were below the budget by \$69,061. Above the budget line items were the Recharge Master Plan of \$31,744; the Safe Yield Recalculation of \$46,461; and the RMPU-City of Fontana Motion of \$36,061. The individual legal projects/activities that were below budget for the Year-To-Date (YTD) period were the Archibald South Plume of \$9,492; the Chino Airport Plume of \$12,018; the Desalter/Hydraulic Control of

\$8,577; the Santa Ana River Water Rights of \$8,316; the Santa Ana River Habitat of \$6,816; the Regional Water Quality Control Board of \$4,283; Storage Agreements of \$4,950; the Prado Basin Habitat Sustainability of \$6,234; and the WM Unanticipated of \$8,375. For the four months ended October 31, 2013, the overall cumulative (YTD) budget was \$128,050 and the actual (BHFS) legal expenses totaled \$173,255 which resulted in an over budget variance of \$45,205 or 35.3%.

The OBMP Other Expenses (6909's) were below the budget for the month. As of October 31, 2013 this category of expenses was \$2,460 or 73.8% below the budgeted amount of \$3,333.

Overall, the Optimum Basin Management Program (OBMP) category was \$433,670 compared to a (YTD) budget of \$421,349 for an over budget of \$12,321 or 2.9% as of October 31, 2013.

The table listed below summarizes the Optimum Basin Management Program (OBMP) expenses as of October 31, 2013 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 '13 - Oct '13</u> | <u>Budget</u> | <u>\$ Over Budget</u> | <u>% of Budget</u> | <u>Annual Budget</u> |
|---|--------------------------|-------------------|-----------------------|--------------------|----------------------|
| 6900 · Optimum Basin Mgmt Plan | | | | | |
| 6901 · WM Staff Salaries | 60,964.26 | 71,716.63 | -10,752.37 | 85.01% | 211,890.00 |
| 6903 · OBMP SAWPA Group | 12,460.00 | 11,000.00 | 1,460.00 | 113.27% | 11,000.00 |
| 6906 · OBMP Engineering Services | | | | | |
| 6906.1 · OBMP - Watermaster Model Update | 94,505.25 | 101,000.00 | -6,494.75 | 93.57% | 101,000.00 |
| 6906.7 · OBMP - Data Requests | 852.50 | 0.00 | 852.50 | 100.0% | 0.00 |
| 6906.71 · OBMP - Misc. GM Requests | 36,731.65 | 0.00 | 36,731.65 | 100.0% | 0.00 |
| 6906.72 · OBMP - Data Requests - Non CBWM | 4,444.25 | 0.00 | 4,444.25 | 100.0% | 0.00 |
| 6906.73 · OBMP - Safe Yield | 14,787.79 | 0.00 | 14,787.79 | 100.0% | 0.00 |
| 6906.8 · OBMP - Reports | 0.00 | 0.00 | 0.00 | 0.0% | 50,000.00 |
| 6906 · OBMP Engineering Services - Other | 34,796.07 | 106,249.36 | -71,453.29 | 32.75% | 318,748.00 |
| Total 6906 · OBMP Engineering Services | 186,117.51 | 207,249.36 | -21,131.85 | 89.8% | 469,748.00 |
| 6907 · OBMP Legal Fees | | | | | |
| 6907.3 · WM Legal Counsel | | | | | |
| 6907.30 · Peace II - CEQA | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 6907.31 · Archibald South Plume | 0.00 | 9,491.64 | -9,491.64 | 0.0% | 28,475.00 |
| 6907.32 · Chino Airport Plume | 8,381.69 | 20,400.00 | -12,018.31 | 41.09% | 61,200.00 |
| 6907.33 · Desalter/Hydraulic Control | 7,789.95 | 16,366.64 | -8,576.69 | 47.6% | 49,100.00 |
| 6907.34 · Santa Ana River Water Rights | 1,150.45 | 9,466.64 | -8,316.19 | 12.15% | 28,400.00 |
| 6907.35 · Paragraph 31 Motion | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 6907.36 · Santa Ana River Habitat | 684.45 | 7,500.00 | -6,815.55 | 9.13% | 22,500.00 |
| 6907.37 · Water Auction | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 6907.38 · Reg. Water Quality Cntrl Board | 0.00 | 4,283.36 | -4,283.36 | 0.0% | 12,850.00 |
| 6907.39 · Recharge Master Plan | 71,443.98 | 39,700.00 | 31,743.98 | 179.96% | 39,700.00 |
| 6907.40 · Storage Agreements | 1,283.40 | 6,233.36 | -4,949.96 | 20.59% | 18,700.00 |
| 6907.41 · Prado Basin Habitat Sustainability | 0.00 | 6,233.36 | -6,233.36 | 0.0% | 18,700.00 |
| 6907.42 · Safe Yield Recalculation | 46,460.68 | 0.00 | 46,460.68 | 100.0% | 0.00 |
| 6907.42 · RMPU - City of Fontana Motion | 36,060.75 | 0.00 | 36,060.75 | 100.0% | 0.00 |
| 6907.90 · WM Legal Counsel - Unanticipated | 0.00 | 8,375.00 | -8,375.00 | 0.0% | 25,125.00 |
| Total 6907 · WM Legal Counsel | 173,255.35 | 128,050.00 | 45,205.35 | 135.3% | 304,750.00 |
| Total 6907 · OBMP Legal Fees | 173,255.35 | 128,050.00 | 45,205.35 | 135.3% | 304,750.00 |
| 6909 · OBMP Other Expenses | | | | | |
| 6909.1 · OBMP Meetings | 873.10 | 0.00 | 873.10 | 100.0% | 0.00 |
| 6909.3 · Other OBMP Expenses | 0.00 | 0.00 | 0.00 | 0.0% | 1,977.00 |
| 6909.4 · Printing | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 6909.5 · Ad Hoc Litigation Committee | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 6909.6 · OBMP Expenses - Miscellaneous | 0.00 | 3,333.36 | -3,333.36 | 0.0% | 10,000.00 |
| Total 6909 · OBMP Other Expenses | 873.10 | 3,333.36 | -2,460.26 | 26.19% | 11,977.00 |
| Total 6900 · Optimum Basin Mgmt Plan | 433,670.22 | 421,349.35 | 12,320.87 | 102.92% | 1,009,365.00 |

OBMP IMPLEMENTATION PROJECTS COSTS

As of October 31, 2013, the total (YTD) Engineering Services expenses are \$459,527 or 44.5% below the (YTD) budget amount of \$827,847. The OBMP Implementation Projects (accounts 7100's – 7700's) were all (Under) budget as of October 31, 2013.

The approved original Engineering Services budget of \$1,825,362 was increased by \$107,406 to the final amended amount of \$1,932,768 for FY 2013/14 as provided in the Task Order. The amount of \$107,406 is comprised of \$19,508 from account (7107.2) and \$87,898 from account (7108.7), both amounts from FY 2012/13 which have been "Carried Over" into the current FY 2013/14 budget. The breakdown of the total Task Order amount of \$1,932,768 includes direct labor costs for Wildermuth Environmental, Inc. (69%) along with other direct charges such as equipment rental, laboratory fees, travel costs, reproduction costs, and outside professional services (31%).

While the year-to-date actual expenses as of October 31, 2013 are currently under budget, there are no immediate plans to rearrange or adjust the overall Engineering Services budget to reflect any anticipated savings. The latest Wildermuth Environmental, Inc. projection for the Engineering Services budget anticipates the full amount of budgeted funds being used in the upcoming months.

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 October 31, 2013. 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 '13 - Oct '13 | Budget | \$ Over Budget | % of Budget | Annual Budget |
|---|-------------------|-------------------|--------------------|---------------|---------------------|
| 6906 · OBMP Engineering Services - Other | 34,796.07 | 106,249.36 | -71,453.29 | 32.75% | 318,748.00 |
| 6906.1 · OBMP - Watermaster Model Update | 94,505.25 | 101,000.00 | -6,494.75 | 93.57% | 101,000.00 |
| 6906.7 · OBMP - Data Requests | 852.50 | 0.00 | 852.50 | 100.0% | 0.00 |
| 6906.71 · OBMP - Misc. GM Requests | 36,731.65 | 0.00 | 36,731.65 | 100.0% | 0.00 |
| 6906.72 · OBMP - Data Requests - Non CBWM | 4,444.25 | 0.00 | 4,444.25 | 100.0% | 0.00 |
| 6906.73 · OBMP - Safe Yield | 14,787.79 | 0.00 | 14,787.79 | 100.0% | 0.00 |
| 7103.3 · Grdwtr Qual-Engineering | 36,836.25 | 33,293.36 | 3,542.89 | 110.64% | 90,880.00 |
| 7103.5 · Grdwtr Qual-Lab Svcs | 0.00 | 12,929.36 | -12,929.36 | 0.0% | 38,788.00 |
| 7104.3 · Grdwtr Level-Engineering | 40,573.81 | 85,780.00 | -25,206.19 | 61.68% | 197,340.00 |
| 7104.8 · Grdwtr Level-Contracted Services | 0.00 | 3,333.36 | -3,333.36 | 0.0% | 10,000.00 |
| 7104.9 · Grdwtr Level-Capital Equipment | 0.00 | 3,481.25 | -3,481.25 | 0.0% | 13,925.00 |
| 7107.2 · Grd Level-Engineering | 18,751.68 | 40,835.36 | -22,083.68 | 45.92% | 83,490.00 |
| 7107.3 · Grd Level-SAR Imagery | 14,123.75 | 22,500.00 | -8,376.25 | 62.77% | 90,000.00 |
| 7107.6 · Grd Level-Contract Svcs | 0.00 | 47,080.00 | -47,080.00 | 0.0% | 141,240.00 |
| 7107.81 · Grd Level-Chino Hills ASR | 19,096.00 | 13,885.00 | 5,211.00 | 137.53% | 41,655.00 |
| 7107.8 · Grd Level-Cap Equip Exte | 0.00 | 2,607.00 | -2,607.00 | 0.0% | 10,428.00 |
| 7108.3 · Hydraulic Control-Engineering | 13,567.68 | 42,151.00 | -28,583.32 | 32.19% | 126,453.00 |
| 7108.31 · Hydraulic Control-PBHSP | 0.00 | 18,725.00 | -18,725.00 | 0.0% | 56,175.00 |
| 7108.4 · Hydraulic Control-Lab Svcs | 20,625.00 | 8,512.00 | 12,113.00 | 242.31% | 25,536.00 |
| 7108.41 · Hydraulic Control-PBHSP | 0.00 | 16,086.64 | -16,086.64 | 0.0% | 48,260.00 |
| 7108.7 · Hydraulic Control-Prado Basin Habitat | 14,093.34 | 100,431.00 | -86,337.66 | 14.03% | 119,497.00 |
| 7108.9 · Hydraulic Control-Contract Svcs | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 7109.3 · Recharge & Well - Engineering | 0.00 | 7,000.00 | -7,000.00 | 0.0% | 21,000.00 |
| 7202.2 · Comp Recharge-Engineering Services | 0.00 | 7,108.00 | -7,108.00 | 0.0% | 21,324.00 |
| 7202.3 · Comp Recharge-Implementation | 76,659.81 | 88,529.99 | -11,870.18 | 86.59% | 118,040.00 |
| 7303 · PE3&5-Engineering - Other | 0.00 | 13,194.64 | -13,194.64 | 0.0% | 39,584.00 |
| 7402 · PE4-Engineering | 14,429.47 | 25,405.00 | -10,975.53 | 56.8% | 76,215.00 |
| 7403 · PE4-Contract Svcs | 0.00 | 6,743.36 | -6,743.36 | 0.0% | 20,230.00 |
| 7502 · PE6&7-Engineering | 4,652.71 | 33,626.64 | -28,973.93 | 13.84% | 100,880.00 |
| 7502.1 · PE6&7-Engineering Svcs (Plume) | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 7602 · PE8&9-Engineering | 0.00 | 7,360.00 | -7,360.00 | 0.0% | 22,080.00 |
| Total Wildermuth Environmental, Inc. Costs | 459,527.01 | 827,847.32 | -368,320.31 | 55.51% | 1,932,768.00 |

* Wildermuth and Subcontractor Engineering Budget of \$1,825,362 plus Carryover Funds from FY 2012/13 of \$107,406 = \$1,932,768
Carryover Funds FY 2012/13 = \$19,508 (7107.2) and \$87,898 (7108.7) = \$107,406

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 October 31, 2013:

| | 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 - Oct. 2013 | \$ 14,093.34 | \$ (7,046.67) | \$ 474.09 | \$ 7,520.76 | 23.00 | \$ 2,354.99 |
| Totals | \$ 146,182.37 | \$ (73,091.19) | \$ 6,750.01 | \$ 79,841.20 | 100.00 | \$ 10,603.64 |
| | 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 October 31, 2013.

"CARRY OVER" FUNDING

The Watermaster Board approved the Operating Cash Reserve Policy 4.17 on March 22, 2012. Section 4.17.6 of the policy (Carry-over Expenses) provides Watermaster staff the authority to carryover unfinished capital projects or related expenses from one fiscal year to the next. These expenses would be included as an amendment to the current year's budget. However, because these unfinished capital projects or related expenses had been previously funded from the Assessment process, they would be excluded from the upcoming Assessment process. If these expenses were not excluded, they would be funded for multiple times over. The current policy does not address a minimum or maximum dollar amount or how long the carryover expenses can be maintained.

Once the FY 2012/13 period as of June 30, 2013 was closed, the amount of unfinished capital projects and related engineering costs were calculated and the "Carry Over" funding amount was added to the current FY 2013/14 budget. The Total "Carry Over" funding amount of \$806,730 was posted to the accounts as of July 31, 2013. The total amount of \$806,730 consisted of \$529,924 "Carried Over" from the FY 2012/13 expense funding and \$276,806 "Carried Over" from FY 2011/12 expense funding. The remaining amount of \$104,977 from FY 2011/12 for the Chino Hills ASR Project has been combined with

the remaining funding amount of \$122,518 from FY 2012/13 for the Chino Hills ASR Project for a total amount of \$227,495 in account 7107.62 ($\$104,977 + \$122,518 = \$227,495$).

Unspent funds from the Engineering Services budget from FY 2012/13 in account 7107.2 and 7108.7 (\$19,508 and \$87,898 respectively) were "Carried Over" into the current FY 2013/14 budget. These funds were from the Ground Level Monitoring (7107.2) and the Prado Basin Hydraulic Control (7108.7).

The Recharge Proof of Concept amount of \$300,000 from FY 2012/13 (account 7209) was "Carried Over" into the budget for FY 2013/14. An amount of \$150,000 has been coded to account (7209.1) for the Jurupa Pumping Station and the remaining amount of \$150,000 has been coded to account (7209.2) for the Wineville Basin Proof of Concept.

Watermaster carried over \$171,829 ($\$61,236 + \$30,900 = \$79,693 = \$171,829$) from FY 2011/12 into the Recharge Improvements Project categories. The amount of \$272,829 was the original total amount from FY 2011/12 less the amount of \$101,000 spent in FY 2012/13 leaving the balance of \$171,829 to carry over into the FY 2013/14 ($\$272,829 - \$101,000 = \$171,829$). The amount of \$61,236 has been appropriated for use for the ongoing Turner Basin Improvements (7690.2). The amount of \$30,900 has been appropriated for the Hickory Basin improvement project (7690.3) while the remaining amount of \$79,693 has been appropriated for Other Recharge Improvement Projects (7690.9).

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, 2014, any remaining balances of the FY 2011/12 and FY 2012/13 expenses (if any), along with any new FY 2013/14 expenses, will then be "Carried Over" into the FY 2014/15 budget.

As of October 31, 2013, the total (YTD) amount remaining of the "Carried Over" funding is \$728,740 ($\$806,730 - \$77,990 = \$728,740$). The following details are provided:

"Carried Over" Expenses At June 30, 2013

| | | <u>GL Account</u> | |
|--|-----------------------------|-------------------|------------|
| Chino Hills ASR Project | \$ 104,977.00 | 7107.62 | FY 2011/12 |
| Recharge Improvement Project - Turner Basin | \$ 61,236.00 | 7690.2 | FY 2011/12 |
| Recharge Improvement Project - Hickory Basin | \$ 30,900.00 | 7690.3 | FY 2011/12 |
| Recharge Improvement Project - Misc. Basins | \$ 79,693.00 | 7690.9 | FY 2011/12 |
| Subtotal FY 2011/12 "Carry Over" | <u>\$ 276,806.00</u> | | |
| Ground Level Monitoring - Engineering | \$ 19,508.00 | 7107.2 | FY 2012/13 |
| Hydraulic Control - Prado Basin - Other | \$ 87,898.00 | 7108.7 | FY 2012/13 |
| Recharge Proof of Concept | \$ 300,000.00 | 7209 | FY 2012/13 |
| Chino Hills ASR Project | \$ 122,518.00 | 7107.61 | FY 2012/13 |
| Subtotal FY 2012/13 "Carry Over" | <u>\$ 529,924.00</u> | | |
| Total Balance, June 30, 2013 | <u>\$ 806,730.00</u> | | |

"Carried Over" Expenses At June 30, 2013

| | | |
|--|-----------------------------|---------|
| Chino Hills ASR Project | \$ 227,495.00 | 7107.62 |
| Ground Level Monitoring - Engineering | \$ 19,508.00 | 7107.2 |
| Hydraulic Control - Prado Basin - Other | \$ 87,898.00 | 7108.7 |
| Jurupa Pumping Station | \$ 150,000.00 | 7209.1 |
| Wineville Basin Proof of Concept | \$ 150,000.00 | 7209.2 |
| Recharge Improvement Project - Turner Basin | \$ 61,236.00 | 7690.2 |
| Recharge Improvement Project - Hickory Basin | \$ 30,900.00 | 7690.3 |
| Recharge Improvement Project - Misc. Basins | \$ 79,693.00 | 7690.9 |
| Total Balance, June 30, 2013 | <u>\$ 806,730.00</u> | |

"Carried Over" Balance, July 1, 2013

| | | |
|---|-----------------------------|--------|
| "Carried Over" Balance, July 1, 2013 | \$ 806,730.00 | |
| Less: (Invoices Received To Date FY 2013/14) | | |
| Ground Level Monitoring - Engineering | \$ (6,543.50) | 7107.2 |
| Hydraulic Control - Prado Basin - Other | \$ (8,214.34) | 7108.7 |
| Wineville Basin Proof of Concept | \$ (32,332.18) | 7209.2 |
| Recharge Improvement Project - Hickory Basin | \$ (30,900.00) | 7690.3 |
| Updated Balance as of October 31, 2013 | <u>\$ 728,739.98</u> | |

AUDIT FIELD WORK

Auditors from the audit firm of Charles Z. Fedak & Company were previously onsite at the Watermaster offices on May 29th through May 30th and August 12th through August 14th to conduct scheduled field work for the FY 2012/13 financial audit. Final field work was completed and the audit firm developed the Annual Financial and Audit Reports to be issued in early November 2013. The presentation of the "Draft" Annual Financial and Audit Reports to the Board by the Senior Manager of Charles Z. Fedak & Company was presented on November 21, 2013. The "Final" Annual Financial and Audit Reports will be posted to the Watermaster website before December 23, 2013.

ASSESSMENT INVOICING

The Watermaster Board approved the FY 2013/14 Assessment Package at the November 21, 2013 meeting. Watermaster staff also created and emailed the Assessment invoices on Thursday, November 21, 2013. The Assessment invoices are due 30 days from invoice date, so payment should be received by Watermaster on or before Monday, December 23, 2013, prior to the Holiday office closure.

This year's Assessment invoicing included the standard Assessment amounts per the Assessment Package, along with any Special Assessments and the "Excess Cash Reserve" refund credits. The Appropriative Pool had a Special Assessment of \$75,000 as approved during the budgeting process. The \$75,000 was allocated to the Appropriative Pool members based upon prorated actual production numbers from 2012/13. The Non-Agricultural Pool had a Special Assessment of \$60,000 as approved during a Confidential Session on September 12, 2013. The \$60,000 was allocated to the Non-Agricultural Pool members based upon prorated actual production numbers from 2012/13. The Excess Cash Reserves refunds were \$9,493 to the Appropriative Pool members and \$2,491 to the Non-Agricultural Pool members. The refunds were applied as credits on the Assessment invoices and allocated based upon last year's percentage of assessments paid.

This year's Assessment invoicing included the billing for the Pomona Credit for the current year, as well as the prior year's activity which was not billed for. If you recall, last year's payment to the City of Pomona in the amount of \$53,030.93 was paid in the month of March 2013 as approved by the Board on February 28, 2013. The City of Pomona received a credit on their Assessment invoice in the amount of \$53,030.93 for this year.

Also included on the Assessment invoices was the 5th and final "True-Up" billing of the Appropriative Pool members for the Non-Agricultural Pool Stored Water Purchase. Per the terms of the Paragraph 31 Settlement Agreement dated April 18, 2012, the 5th and final annual payment totaling \$3,873,238.87 is due to the Non-Agricultural Pool members for the Stored Water Purchase on or before January 15, 2014.

ATTACHMENTS

1. Financial Report - B5

| | 1/12th (8.33%) of the Total Budget | | | | 4/12th (33%) of the Total Budget | | | | 100% of the Total Budget | | | |
|---------------------------------------|------------------------------------|-------------|----------------|-------------|-------------------------------------|-------------------|------------------|---------------|-------------------------------------|---------------------|----------------|---------------|
| | For The Month of October 2013 | | | | Year-To-Date as of October 31, 2013 | | | | Fiscal Year End as of June 30, 2014 | | | |
| | 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% | 153,035.68 | 154,581.00 | -1,545.32 | 99.0% | 154,581.00 | 154,581.00 | 0.00 | 100.0% |
| 4110 · Admin Asmnts-Approp Pool | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 6,361,227.00 | 6,361,227.00 | 0.00 | 100.0% |
| 4120 · Admin Asmnts-Non-Agri Pool | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 241,378.00 | 241,378.00 | 0.00 | 100.0% |
| 4700 · Non Operating Revenues | 0.00 | 0.00 | 0.00 | 0.0% | 3,550.10 | 4,455.00 | -904.90 | 79.69% | 29,700.00 | 29,700.00 | 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% | 156,585.78 | 159,036.00 | -2,450.22 | 98.46% | 6,786,886.00 | 6,786,886.00 | 0.00 | 100.0% |
| Gross Profit | 0.00 | 0.00 | 0.00 | 0.0% | 156,585.78 | 159,036.00 | -2,450.22 | 98.46% | 6,786,886.00 | 6,786,886.00 | 0.00 | 100.0% |
| Expense | | | | | | | | | | | | |
| 6010 · Admin. Salary/Benefit Costs | 73,661.81 | 59,225.78 | 14,436.03 | 124.38% | 249,164.87 | 221,393.51 | 27,771.36 | 112.54% | 617,747.00 | 617,747.00 | 0.00 | 100.0% |
| 6020 · Office Building Expense | 9,136.84 | 8,649.00 | 487.84 | 105.64% | 34,060.98 | 35,132.00 | -1,071.02 | 96.95% | 106,630.00 | 106,630.00 | 0.00 | 100.0% |
| 6030 · Office Supplies & Equip. | 3,353.58 | 2,158.33 | 1,195.25 | 155.38% | 7,095.13 | 7,633.36 | -538.23 | 92.95% | 22,900.00 | 22,900.00 | 0.00 | 100.0% |
| 6040 · Postage & Printing Costs | 3,143.42 | 5,858.33 | -2,714.91 | 53.66% | 14,872.77 | 19,083.36 | -4,210.59 | 77.94% | 57,900.00 | 57,900.00 | 0.00 | 100.0% |
| 6050 · Information Services | 8,946.18 | 8,708.00 | 238.18 | 102.74% | 50,901.39 | 58,832.00 | -7,930.61 | 86.52% | 140,496.00 | 140,496.00 | 0.00 | 100.0% |
| 6060 · Contract Services | 0.00 | 0.00 | 0.00 | 0.0% | 5,036.38 | 7,500.00 | -2,463.62 | 67.15% | 24,800.00 | 24,800.00 | 0.00 | 100.0% |
| 6070 · Watermaster Legal Services | 15,578.19 | 18,925.00 | -3,346.81 | 82.32% | 164,420.14 | 94,816.68 | 69,603.46 | 173.41% | 234,100.00 | 234,100.00 | 0.00 | 100.0% |
| 6080 · Insurance | 0.00 | 0.00 | 0.00 | 0.0% | 26,504.24 | 19,107.00 | 7,397.24 | 138.72% | 19,107.00 | 19,107.00 | 0.00 | 100.0% |
| 6110 · Dues and Subscriptions | 0.00 | 100.00 | -100.00 | 0.0% | 13,217.00 | 13,260.00 | -43.00 | 99.68% | 17,825.00 | 17,825.00 | 0.00 | 100.0% |
| 6140 · WM Admin Expenses | 300.00 | 200.00 | 100.00 | 150.0% | 369.01 | 800.00 | -430.99 | 46.13% | 2,400.00 | 2,400.00 | 0.00 | 100.0% |
| 6150 · Field Supplies | 648.58 | 600.00 | 48.58 | 108.1% | 950.96 | 1,000.00 | -49.04 | 95.1% | 1,400.00 | 1,400.00 | 0.00 | 100.0% |
| 6170 · Travel & Transportation | 2,080.22 | 1,060.00 | 1,020.22 | 196.25% | 6,346.42 | 6,856.68 | -510.26 | 92.56% | 16,220.00 | 16,220.00 | 0.00 | 100.0% |
| 6190 · Conferences & Seminars | 1,603.80 | 1,650.00 | -46.20 | 97.2% | 4,653.60 | 4,800.00 | -146.40 | 96.95% | 12,500.00 | 12,500.00 | 0.00 | 100.0% |
| 6200 · Advisory Comm - WM Board | 2,398.01 | 4,632.04 | -2,234.03 | 51.77% | 7,720.49 | 18,224.04 | -10,503.55 | 42.36% | 54,368.00 | 54,368.00 | 0.00 | 100.0% |
| 6300 · Watermaster Board Expenses | 8,982.49 | 12,778.18 | -3,795.69 | 70.3% | 45,360.13 | 50,600.44 | -5,240.31 | 89.64% | 151,289.00 | 151,289.00 | 0.00 | 100.0% |
| 8300 · Appr PI-WM & Pool Admin | 31,414.28 | 11,495.44 | 19,918.84 | 273.28% | 41,033.58 | 45,563.67 | -4,530.09 | 90.06% | 136,273.00 | 136,273.00 | 0.00 | 100.0% |
| 8400 · Agri Pool-WM & Pool Admin | 4,144.75 | 5,016.64 | -871.89 | 82.62% | 13,198.56 | 19,707.15 | -6,508.59 | 66.97% | 58,762.00 | 58,762.00 | 0.00 | 100.0% |
| 8467 · Ag Legal & Technical Services | 8,250.00 | 17,583.33 | -9,333.33 | 46.92% | 39,745.00 | 70,333.36 | -30,588.36 | 56.51% | 211,000.00 | 211,000.00 | 0.00 | 100.0% |
| 8470 · Ag Meeting Attend -Special | 1,750.00 | 1,525.00 | 225.00 | 114.75% | 8,125.00 | 6,100.00 | 2,025.00 | 133.2% | 18,300.00 | 18,300.00 | 0.00 | 100.0% |
| 8471 · Ag Pool Expense | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 27,500.00 | -27,500.00 | 0.0% | 65,000.00 | 65,000.00 | 0.00 | 100.0% |
| 8485 · Ag Pool - Misc. Exp. - Ag Fund | 0.00 | 100.00 | -100.00 | 0.0% | 94.06 | 200.00 | -105.94 | 47.03% | 400.00 | 400.00 | 0.00 | 100.0% |
| 8500 · Non-Ag PI-WM & Pool Admin | 10,902.92 | 9,265.72 | 1,637.20 | 117.67% | 32,278.36 | 36,844.28 | -4,565.92 | 87.61% | 110,314.00 | 110,314.00 | 0.00 | 100.0% |
| 6500 · Education Funds Use Expens | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 9400 · Depreciation Expense | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 9500 · Allocated G&A Expenditures | -19,624.50 | -43,024.56 | 23,400.06 | 45.61% | -73,144.07 | -200,286.62 | 127,142.55 | 36.52% | -568,626.00 | -568,626.00 | 0.00 | 100.0% |
| 6900 · Optimum Basin Mgmt Plan | 89,424.84 | 68,227.28 | 21,197.56 | 131.07% | 433,670.22 | 421,349.35 | 12,320.87 | 102.92% | 1,009,365.00 | 1,009,365.00 | 0.00 | 100.0% |
| 6950 · Mutual Agency Projects | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 10,000.00 | 10,000.00 | 0.00 | 100.0% |
| 9501 · G&A Expenses Allocated-OBMP | 7,535.72 | 17,284.17 | -9,748.45 | 43.6% | 32,033.41 | 80,460.74 | -48,427.33 | 39.81% | 228,433.00 | 228,433.00 | 0.00 | 100.0% |
| 7101 · Production Monitoring | 6,887.47 | 7,218.95 | -331.48 | 95.41% | 20,090.70 | 27,631.20 | -7,540.50 | 72.71% | 81,649.00 | 81,649.00 | 0.00 | 100.0% |
| 7102 · In-line Meter Installation | 61.69 | 5,230.90 | -5,169.21 | 1.18% | 740.23 | 34,926.56 | -34,186.33 | 2.12% | 104,616.00 | 104,616.00 | 0.00 | 100.0% |
| 7103 · Grdwtr Quality Monitoring | 10,535.60 | 16,230.14 | -5,694.54 | 64.91% | 44,501.04 | 70,528.76 | -26,027.72 | 63.1% | 202,339.00 | 202,339.00 | 0.00 | 100.0% |
| 7104 · Gdwtr Level Monitoring | 16,972.75 | 25,064.79 | -8,092.04 | 67.72% | 62,801.48 | 98,274.80 | -35,473.32 | 63.9% | 292,840.00 | 292,840.00 | 0.00 | 100.0% |
| 7105 · Sur Wtr Qual Monitoring | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |

| | 1/12th (8.33%) of the Total Budget | | | | 4/12th (33%) of the Total Budget | | | | 100% of the Total Budget | | | |
|--|------------------------------------|--------------------|-------------------|---------------|-------------------------------------|----------------------|----------------------|---------------|-------------------------------------|---------------------|----------------|---------------|
| | For The Month of October 2013 | | | | Year-To-Date as of October 31, 2013 | | | | Fiscal Year End as of June 30, 2014 | | | |
| | Actual | Budget | \$ Over(Under) | % of Budget | Actual | Budget | \$ Over(Under) | % of Budget | Projected | Budget | \$ Over(Under) | % of Budget |
| 7107 · Ground Level Monitoring | 9,142.30 | 20,573.08 | -11,430.78 | 44.44% | 51,971.43 | 354,402.36 | -302,430.93 | 14.67% | 594,308.00 | 594,308.00 | 0.00 | 100.0% |
| 7108 · Hydraulic Control Monitoring | 30,076.65 | 26,581.05 | 3,495.60 | 113.15% | 51,115.10 | 196,249.30 | -145,134.20 | 26.05% | 406,943.00 | 406,943.00 | 0.00 | 100.0% |
| 7109 · Recharge & Well Monitoring Prog | 0.00 | 1,750.00 | -1,750.00 | 0.0% | 0.00 | 7,000.00 | -7,000.00 | 0.0% | 21,000.00 | 21,000.00 | 0.00 | 100.0% |
| 7200 · PE2- Comp Recharge Pgm | 202,370.25 | 217,596.63 | -15,226.38 | 93.0% | 519,965.41 | 881,027.95 | -361,062.54 | 59.02% | 1,358,042.00 | 1,358,042.00 | 0.00 | 100.0% |
| 7300 · PE3&5-Water Supply/Desalite | 182.76 | 5,126.21 | -4,943.45 | 3.57% | 209.99 | 20,288.45 | -20,078.46 | 1.04% | 60,649.00 | 60,649.00 | 0.00 | 100.0% |
| 7400 · PE4- Mgmt Plan | 8,596.51 | 9,002.82 | -406.31 | 95.49% | 16,512.21 | 35,879.60 | -19,367.39 | 46.02% | 107,507.00 | 107,507.00 | 0.00 | 100.0% |
| 7500 · PE6&7-CoopEfforts/SaltMgmt | 611.78 | 9,280.59 | -8,668.81 | 6.59% | 4,876.99 | 37,074.16 | -32,197.17 | 13.16% | 111,112.00 | 111,112.00 | 0.00 | 100.0% |
| 7600 · PE8&9-StorageMgmt/Conj Use | 857.28 | 3,545.34 | -2,688.06 | 24.18% | 1,061.79 | 13,889.80 | -12,828.01 | 7.64% | 41,378.00 | 41,378.00 | 0.00 | 100.0% |
| 7690 · Recharge Improvement Debt Pymt | 30,900.00 | 76,984.67 | -46,084.67 | 40.14% | 437,026.50 | 846,764.16 | -409,737.66 | 51.61% | 1,111,637.00 | 1,111,637.00 | 0.00 | 100.0% |
| 7700 · Inactive Well Protection Prgm | 0.00 | 41.67 | -41.67 | 0.0% | 0.00 | 166.64 | -166.64 | 0.0% | 500.00 | 500.00 | 0.00 | 100.0% |
| 9502 · G&A Expenses Allocated-Projects | 12,088.78 | 25,740.39 | -13,651.61 | 46.96% | 41,110.65 | 119,825.87 | -78,715.22 | 34.31% | 340,193.00 | 340,193.00 | 0.00 | 100.0% |
| Total Expense | 592,914.95 | 661,984.91 | -69,069.96 | 89.57% | 2,409,691.15 | 3,810,740.61 | -1,401,049.46 | 63.23% | 7,593,616.00 | 7,593,616.00 | 0.00 | 100.0% |
| Net Ordinary Income | -592,914.95 | -661,984.91 | 69,069.96 | 89.57% | -2,253,105.37 | -3,651,704.61 | 1,398,599.24 | 61.7% | -806,730.00 | -806,730.00 | 0.00 | 100.0% |
| 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% | 11.91 | 0.00 | 11.91 | 100.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 4226 · LAIF Fair Market Value | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 4600 · Groundwater Sales | 0.00 | 0.00 | 0.00 | 0.0% | 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% | 11.91 | 0.00 | 11.91 | 100.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 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% |
| 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% | 11.91 | 0.00 | 11.91 | 100.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| Net Income | -592,914.95 | -661,984.91 | 69,069.96 | 89.57% | -2,253,093.46 | -3,651,704.61 | 1,398,611.15 | 61.7% | -806,730.00 | -806,730.00 | 0.00 | 100.0% |

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

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CHINO BASIN WATERMASTER

- I. CONSENT CALENDAR (App & Ag Pool)**
 - C. 2012 ANNUAL REPORT OF THE LAND SUBSIDENCE COMMITTEE**

- I. BUSINESS ITEM ROUTINE (Non-Ag Pool)**
 - C. 2012 ANNUAL REPORT OF THE LAND SUBSIDENCE COMMITTEE**



CHINO BASIN WATERMASTER

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Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: December 12, 2013
TO: Pool Committee Members
SUBJECT: 2012 Annual Report of the Land Subsidence Committee

SUMMARY

Issue: Watermaster is required to produce an Annual Report of the Land Subsidence Committee. The report for 2012 has been drafted.

Recommendation: Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the 2012 Annual Report of the Land Subsidence Committee, along with filing a copy with the Court.

Financial Impact: There is no fiscal impact associated with the above recommendation. Production of the Report and filing it with the Court are budgeted items.

Future Consideration

Appropriative Pool: December 12, 2013 Recommendation to the Advisory Committee
Non-Agricultural Pool: December 12, 2013 Recommendation to the Advisory Committee
Agricultural Pool: December 12, 2013 Recommendation to the Advisory Committee
Advisory Committee: December 19, 2013 Recommendation to the Watermaster Board
Watermaster Board: December 19, 2013 Adopt the 2012 Annual Report of the Land Subsidence Committee, along with filing a copy with the Court [Discretionary Function]

ACTIONS:

Date – Appropriative Pool –
Date – Non-Agricultural Pool –
Date – Agricultural Pool –
Date – Advisory Committee –
Date – Watermaster Board –

BACKGROUND

In 1999, the OBMP Phase I Report identified pumping-induced drawdown and resultant aquifer-system compaction as the most likely cause of land subsidence and ground fissuring that had been observed in Management Zone 1 (MZ-1). Program Element 4 of the OBMP, "Develop and Implement a Comprehensive Groundwater Management Plan for Management Zone 1," called for the development and implementation of an interim management plan (IMP) for MZ-1.

From 2001 to 2005, Watermaster developed, coordinated, and conducted the IMP under the guidance of the MZ-1 Technical Committee (now called the Land Subsidence Committee.) The IMP 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 Subsidence Management Plan. The Guidance Criteria formed the basis for the MZ-1 Plan, which was developed by the MZ-1 Technical Committee and approved by Watermaster in October 2007. By a November 15, 2007 Order, the Watermaster Court approved the MZ-1 Plan and ordered its implementation.

DISCUSSION

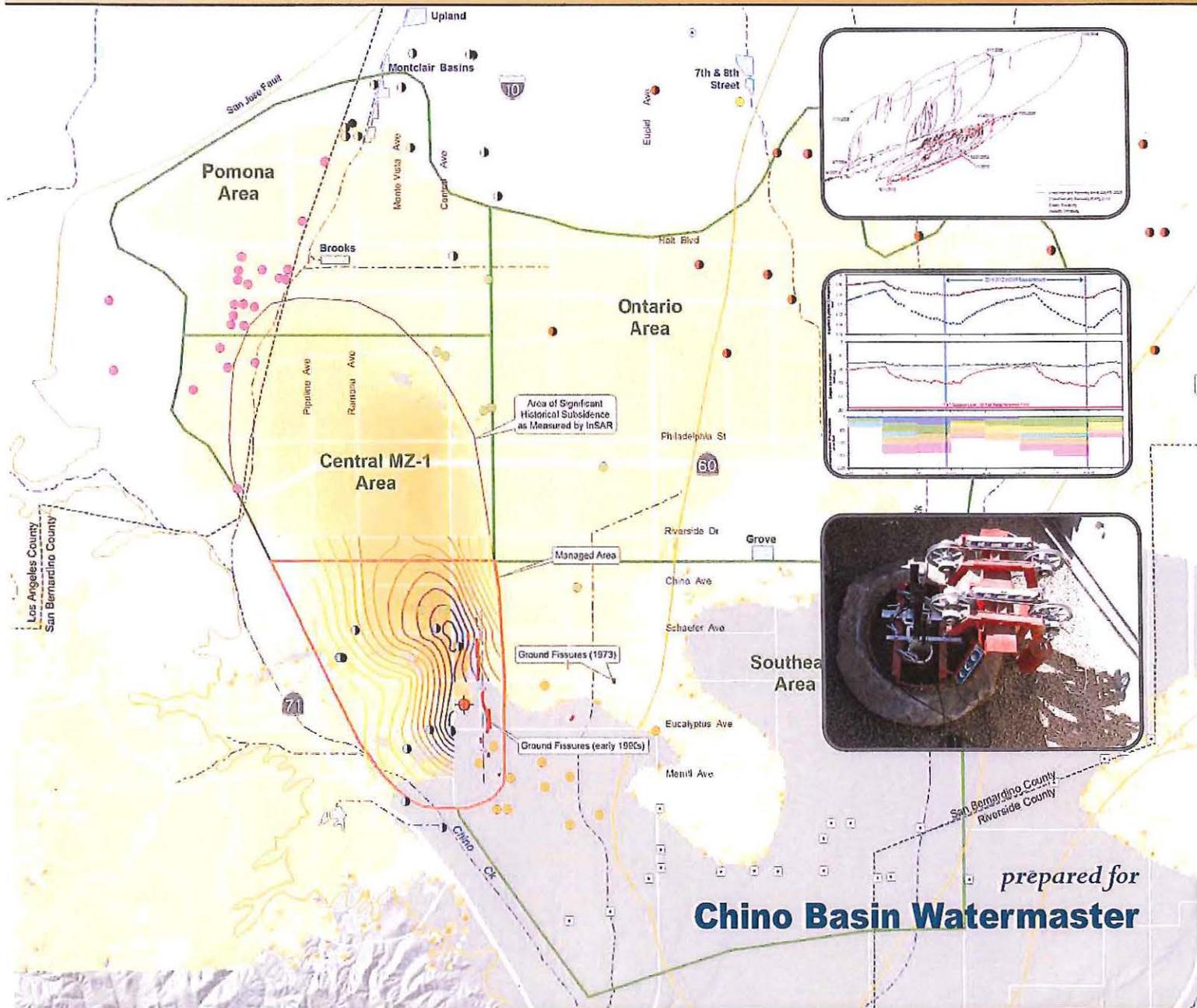
The MZ-1 Subsidence Management Plan states that Watermaster will produce an annual report at the end of each fiscal year, which includes the results of ongoing monitoring efforts, interpretations of the data, and recommended adjustment to the MZ-1 Plan, if any. The Court's Order directs Watermaster to file the annual reports with the Court. The Land Subsidence Committee has, for the last number of years, provided recommendations to Watermaster for further activities through the Watermaster budgeting process, but has not, until this year, produced a formal annual Report. The Draft 2012 Annual Report of the Land Subsidence Committee includes results and interpretations for data that were collected during calendar year 2012, and includes recommendations for Watermaster's Land-Subsidence Monitoring Program for fiscal year 2013/14. The Report was circulated through attendees of the Land Subsidence Committee meetings, and their comments have been incorporated.

ATTACHMENTS

1. Draft 2012 Annual Report of the Land Subsidence Committee
Please access the Report appendices at:
<http://www.cbwm.org/FTP/Meeting%20Packets%20&%20Agendas/20131212%20Appendices%20to%202012%20Annual%20Report%20of%20the%20Land%20Subsidence%20Committee/>

2012 Annual Report of the Land Subsidence Committee

Draft



prepared for
Chino Basin Watermaster

December 2013



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Acronyms, Abbreviations, and Initialisms

| | |
|------------|--|
| acre-ft/yr | acre-feet per year |
| CCPA | Chino Creek Piezometer A |
| CCX | Chino Creek Extensometer Facility |
| CIM | California Institution for Men |
| DHX | Daniels Horizontal Extensometer |
| EDM | Electronic Distance Measurement |
| ft-bgs | feet below ground surface |
| ft-btoc | feet below top of casing |
| GSWC | Golden State Water Company |
| IEUA | Inland Empire Utilities Agency |
| IMP | Interim Monitoring Program |
| InSAR | Interferometric Synthetic Aperture Radar |
| MVWD | Monte Vista Water District |
| MZ-1 | Management Zone 1 |
| OBMP | Optimum Basin Management Plan |
| PE1 | Program Element 1 |
| SAWC | San Antonio Water Company |
| USGS | United States Geological Survey |
| WEI | Wildermuth Environmental Inc. |

Section 1 – Introduction

1.1 Background

Land subsidence is the sinking of the Earth's surface due to the rearrangement of subsurface Earth materials. In the United States alone, over 17,000 square miles in 45 states have experienced land subsidence (USGS, 1999). In many instances, land subsidence is accompanied by adverse impacts at the land surface, such as sinkholes, earth fissures, encroachment of adjacent water bodies, modified drainage patterns, and others. In populated regions, these subsidence-related impacts can result in severe damage to man-made infrastructure and costly remediation measures. Over 80% of all documented cases of land subsidence in the United States have been caused by groundwater extractions from the underlying aquifer system (USGS, 1999).

1.1.1 Subsidence and Fissuring in Chino Basin

One of the earliest indications of land subsidence in Chino Basin was the appearance of ground fissures in the City of Chino. These fissures appeared as early as 1973, but an accelerated occurrence of ground fissuring ensued after 1991 and resulted in damage to existing infrastructure. Figure 1-1 shows the location of the fissures within Management Zone 1 (MZ-1) of the Chino Basin. The scientific studies that followed attributed the fissuring phenomenon to differential land subsidence that was caused by pumping of the underlying aquifer system and the consequent drainage and compaction of aquitard sediments (Fife et al., 1976; Kleinfelder, 1993, 1996; Geomatrix, 1994).

1.1.2 The Optimum Basin Management Program (OBMP)

In 1999, the OBMP Phase I Report (WEI, 1999) identified pumping-induced drawdown and subsequent aquifer-system compaction as the most likely cause of land subsidence and ground fissuring observed in MZ-1. Program Element 4 of the OBMP, *Develop and Implement a Comprehensive Groundwater Management Plan for Management Zone 1*, called for the development and implementation of an interim management plan for MZ-1 that would:

- minimize subsidence and fissuring in the short-term.
- collect the information necessary to understand the extent, rate, and mechanisms of subsidence and fissuring.
- formulate a management plan to abate future subsidence and fissuring or reduce it to tolerable levels.

In 2000, the Implementation Plan in the Peace Agreement called for an aquifer-system and land subsidence investigation in the southwestern region of MZ-1 to support the development of a management plan for MZ-1 (second and third bullets above). This investigation was titled the MZ-1 Interim Monitoring Program (IMP), which is described below.

The OBMP Phase I Report also noted that land subsidence was occurring in other parts of the Basin besides Chino. Program Element 1 (PE1) of the OBMP and the Implementation Plan, *Develop and Implement a Comprehensive Monitoring Program*, called for the basin-wide analysis

of land subsidence via ground-level surveys and InSAR and ongoing monitoring based on the analysis of the subsidence data.

1.1.3 Interim Management Plan and the MZ-1 Summary Report

From 2001 to 2005, Watermaster developed, coordinated, and conducted the IMP under the guidance of the MZ-1 Technical Committee (now called the Land Subsidence Committee). The MZ-1 Technical Committee was composed of representatives from all major MZ-1 producers and their technical consultants, including the Agricultural Pool; the cities of Chino, Chino Hills, Ontario, Pomona, and Upland; Monte Vista Water District; Golden State Water Company; and the State of California, California Institution for Men (CIM).

The main conclusions derived from the IMP were:

1. Groundwater production from the deep, confined, aquifer system in the southwestern region of MZ-1 caused the greatest stress to the aquifer system. In other words, pumping of the deep aquifer system caused groundwater-level drawdown that is much greater in magnitude and lateral extent than drawdown caused by pumping of the shallow aquifer system.¹
2. Groundwater-level drawdown due to pumping of the deep aquifer system can cause inelastic (permanent) compaction of the aquifer-system sediments, which results in permanent land subsidence. The initiation of permanent compaction within the aquifer system was identified during the investigation when water levels fell below a depth of about 250 feet in the PA-7 piezometer at Ayala Park.
3. The then current state of aquifer-system deformation in southern MZ-1 (in the vicinity of Ayala Park) was essentially elastic. Very little permanent compaction was occurring in this area, which was in contrast to the recent past when about 2.2 feet of land subsidence occurred from about 1987 to 1995 and was accompanied by ground fissuring. Figure 1-2 shows the early land subsidence that was measured in the western Chino Basin during this period.
4. During this study, a previously undetected barrier to groundwater flow, called the Riley Barrier, was identified. This barrier is located within the deep aquifer system and is aligned with the historical zone of ground fissuring. Pumping from the deep aquifer system was limited to the area west of the barrier, and the resulting drawdown did not propagate eastward across the barrier. Thus, compaction occurred within the deep system on the west side of the barrier but not on the east side, which caused concentrated differential subsidence across the barrier and created the potential for ground fissuring.
5. InSAR and ground-level-survey data indicated that permanent subsidence in the central region of MZ-1 had occurred in the past and was continuing to occur. The InSAR data also suggested that the groundwater barrier extends northward into central MZ-1. These observations suggested that the conditions that very likely caused ground fissuring near Ayala Park in the 1990s are also present in central MZ-1 and should be studied in more detail.

¹ Production from the deep aquifer system within the Managed Area generally occurs from wells that are screened deeper than 400 feet below the ground surface (ft-bgs). (WEI, 2007)



The methods, results, and conclusions of the IMP are described in detail in the MZ-1 Summary Report (WEI, 2006). The IMP 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 Subsidence Management Plan (MZ-1 Plan; WEI 2007).

1.1.4 MZ-1 Subsidence Management Plan (MZ-1 Plan)

The Guidance Criteria formed the basis for the MZ-1 Plan, which was developed by the MZ-1 Technical Committee and approved by Watermaster in October 2007. In November 2007, the San Bernardino County Superior Court, which retains continuing jurisdiction over the Chino Basin Adjudication, approved the MZ-1 Plan and ordered its implementation.

The MZ-1 Plan includes a list of the Managed Wells that are subject to the plan. The Managed Wells are listed in Table 1-1. The MZ-1 Plan also includes a map of the so-called Managed Area in southern MZ-1 that is subject to the plan. The Managed Area is shown on Figure 1-1.

To minimize the potential for future subsidence and fissuring in the Managed Area, the MZ-1 Plan established a Guidance Level, which is a specified depth to water measured in Watermaster's PA-7 piezometer at Ayala Park. It is defined as the threshold water level at the onset of permanent compaction of the aquifer system as recorded by the extensometer, minus five feet. The five foot reduction is meant to be a safety factor to ensure that permanent compaction does not occur in the future. The Guidance Level is subject to change based on the periodic review of monitoring data collected by Watermaster. The initial Guidance Level is 245 feet below the top of the well casing (ft-btoc) in PA-7. The Plan recommended that the Parties manage their groundwater production so that the water level in PA-7 remains above the Guidance Level.

The MZ-1 Plan calls for ongoing monitoring, data analysis, annual reporting, and adjustment to the MZ-1 Plan as warranted by the data. Implementation of the MZ-1 Plan began in 2008. The MZ-1 Plan calls for (1) the continued scope and frequency of monitoring implemented during the IMP within the Managed Area and (2) expanded monitoring of the aquifer system and land subsidence in other areas of the Chino Basin where the IMP indicated concern for future subsidence and ground fissuring. Figure 1-2 shows the location of these so-called Areas of Subsidence Concern: Central MZ-1, the Pomona Area, the Ontario Area, and the Southeast Area. The expanded monitoring efforts outside of the Managed Area are consistent with the requirements of PE1.

Potential future efforts listed in the MZ-1 Plan included: (1) more intensive monitoring of horizontal strain across the zone of historical ground fissuring to assist in developing management strategies related to fissuring, (2) injection feasibility studies within the Managed Area, (3) additional pumping tests to refine the Guidance Criteria, (4) computer-simulation modeling of groundwater flow and subsidence, and (5) development of alternative pumping plans for those Parties affected by the MZ-1 Plan. These potential future efforts are discussed by the Land Subsidence Committee, and if deemed prudent and necessary, are recommended to Watermaster for implementation in future fiscal years.



1.1.5 Annual Report of the Land Subsidence Committee

The MZ-1 Plan states that Watermaster will produce an annual report that includes the results of ongoing monitoring efforts, interpretations of the data, and recommended adjustment to the MZ-1 Plan, if any. This Annual Report of the Land Subsidence Committee includes results and interpretations for data that were collected during calendar year 2012, and includes recommendations for Watermaster's Land-Subsidence Monitoring Program for fiscal year 2013/14.

1.2 Report Organization

This report is organized into the following five sections:

Section 1 – Introduction. This section provides background information on the history of land subsidence and ground fissuring in Chino Basin, the formation of the Land Subsidence Committee and its responsibilities, and the MZ-1 Plan.

Section 2 – Land-Subsidence Monitoring Program (2012). This section describes the monitoring and testing activities that were performed by the Watermaster for its Land-Subsidence Monitoring Program during 2012.

Section 3 – Results and Interpretations. This section discusses and interprets the monitoring data collected during 2012, including the basin stresses of groundwater pumping and recharge and the basin responses including changes in groundwater levels, aquifer-system deformation, and ground motion.

Section 4 – Conclusions and Recommendations. This section summarizes the main conclusions derived from the monitoring program as of December 2012, and describes recommended activities for the program during fiscal year 2013/14 in the form of a proposed scope-of-work, schedule, and budget.

Section 5 – References. This section is a list of the publications cited in this report.



**Table 1-1
Managed Wells**

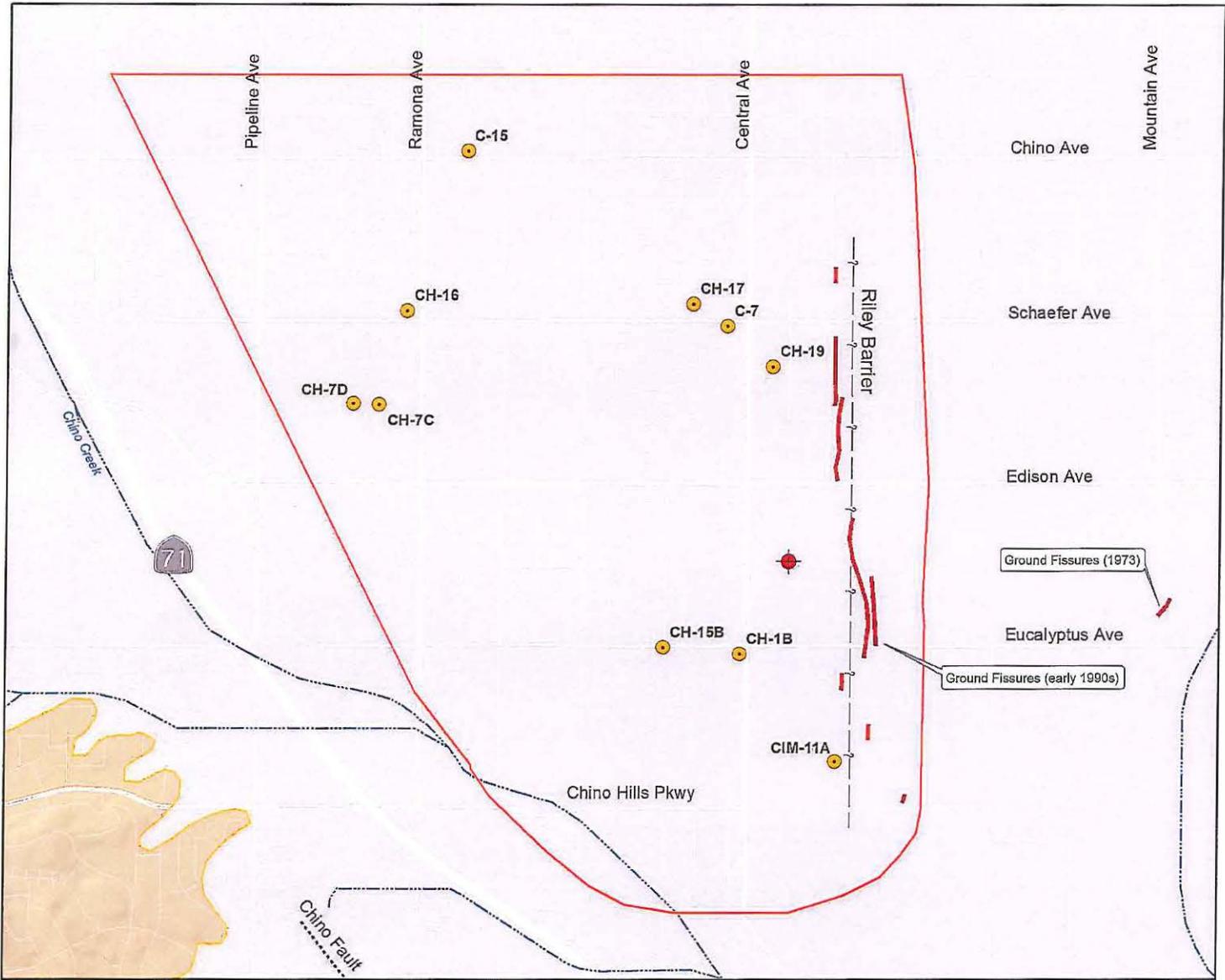
| CBWM ID | Owner | Well Name | Status | Screened Interval <i>ft-bgs</i> |
|---------|-------------|-----------|---------------------------|--|
| 3600461 | Chino | C-7 | Not Equipped ² | 180-780 |
| 600670 | Chino | C-15 | Not Equipped | 270-400, 626-820 |
| 600487 | Chino Hills | CH-1B | Inactive ¹ | 440-470, 490-610, 720-900, 940-1180 |
| 600687 | Chino Hills | CH-7C | Not Equipped | 550-950 |
| 600498 | Chino Hills | CH-7D | Inactive | 320-400, 410-450, 490-810, 850-930 |
| 600488 | Chino Hills | CH-15B | Active ³ | 360-440, 480-900 |
| 600489 | Chino Hills | CH-16 | Inactive | 430-940 |
| 600499 | Chino Hills | CH-17 | Active | 300-460, 500-980 |
| 600500 | Chino Hills | CH-19 | Not Equipped | 340-420, 460-760, 800-1000 |
| 3602461 | CIM | CIM-11A | Active | 135-148, 174-187, 240-283, 405-465, 484-512, 518-540 |

¹ Well can pump groundwater with little or no modifications, but no pumping is planned for the current year.

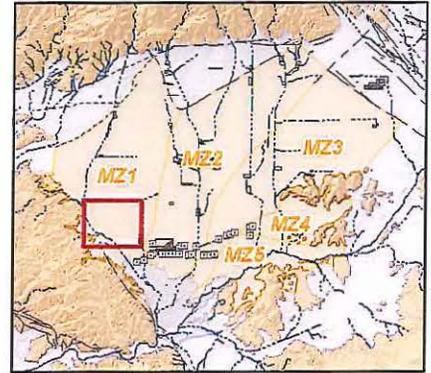
² Unable to pump the well without major modifications, and no pumping is planned for the current year.

³ Well is currently being used for water supply.



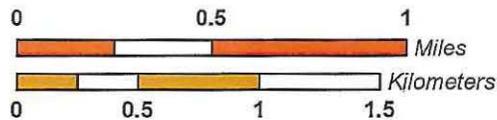


- MZ-1 Managed Well
- Ayala Park Extensometer
- Managed Area
- Ground Fissures
- Approximate Location of Riley Barrier
- Faults**
- Location Concealed



Prepared by:
 WILDERMUTH ENVIRONMENTAL INC.

Author: TCR
 Date: 20130701
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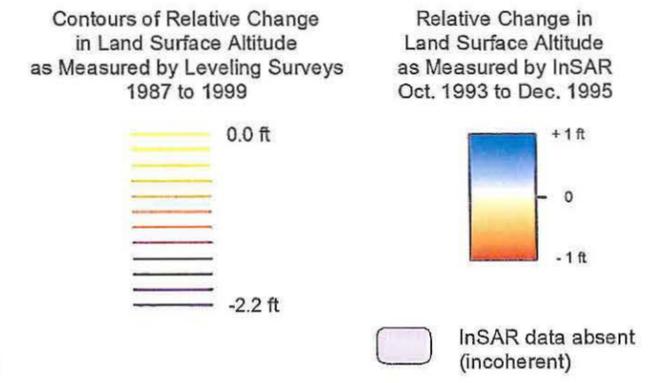
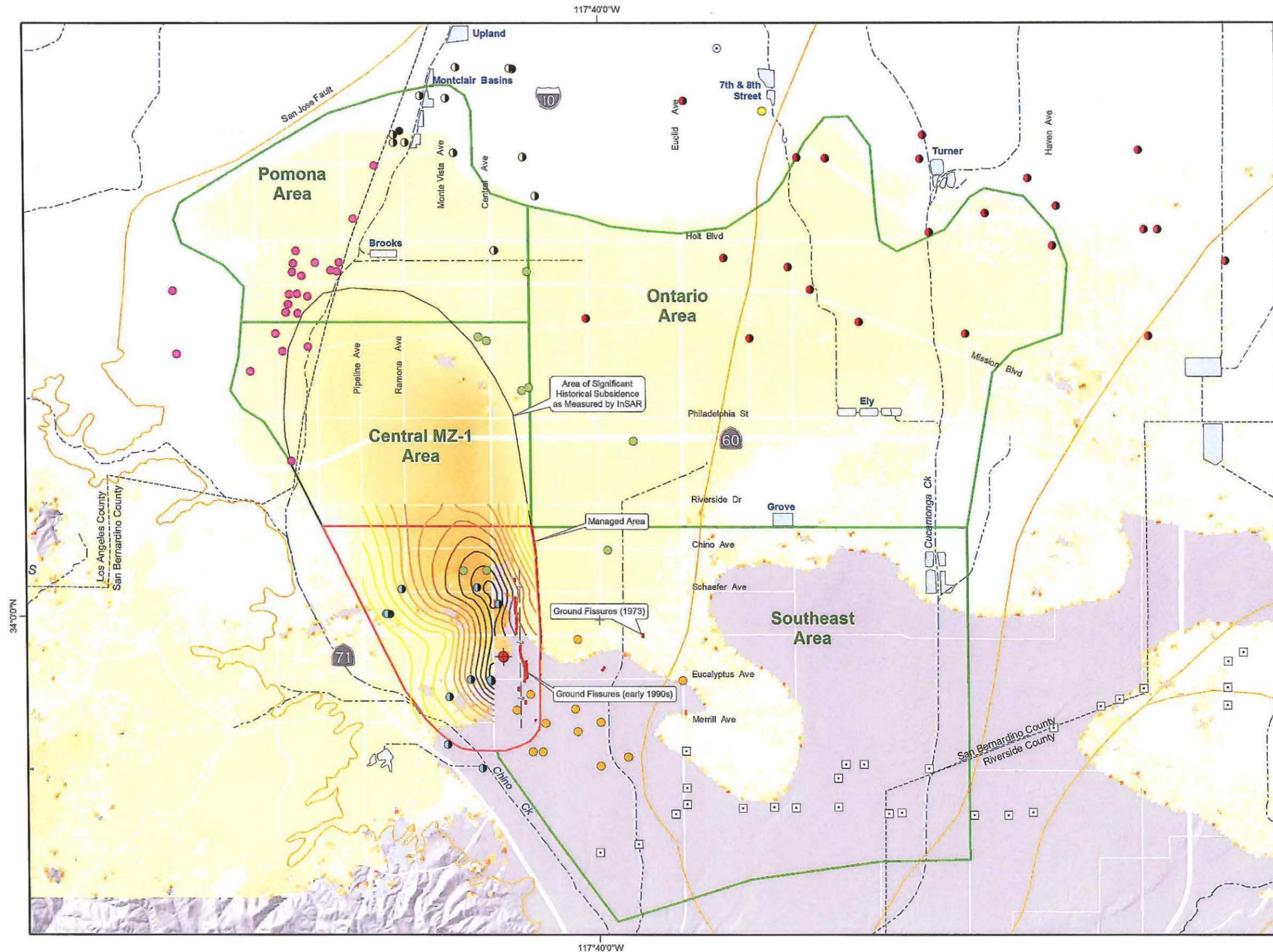


Land Subsidence Committee
 2012 Annual Report

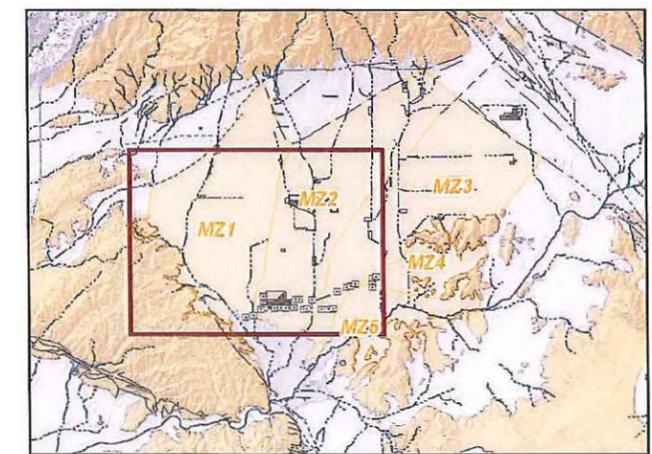
MZ-1 Managed Area and Managed Wells

Figure 1-1

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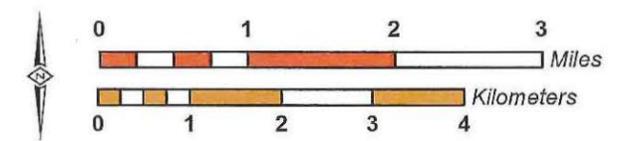


- Active Production Wells by Owner
- Ontario
 - Pomona
 - SAWC
 - Upland
 - GSWC
 - CIM
 - Chino Hills
 - Chino
 - MVWD
 - Chino Basin Desalter Authority
- Ground Fissures
- Ayala Park Extensometer
- Flood Control & Conservation Basins
- Riley Barrier
- Managed Area
- Other Areas of Subsidence Concern



Prepared by:
WILDERMUTH
 ENVIRONMENTAL INC.

Author: TCR
 Date: 20130624
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Land Subsidence Committee
 2012 Annual Report

Historical Land Surface Deformation in Management Zone 1
 Leveling Surveys (1987 to 1999) and InSAR (1993 to 1995)

Figure 1-2

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Section 2 – Land-Subsidence Monitoring Program (2012)

This section describes the monitoring and testing activities that were performed by the Watermaster for its Land-Subsidence Monitoring Program during 2012.

2.1 Setup and Maintenance of the Monitoring Network

Watermaster's consulting engineer and/or sub-consultants perform the work to setup and maintain the land-subsidence monitoring network. The equipment and facilities that comprise the monitoring network are shown on Figure 2-1, and include pressure transducers and data loggers to measure and record water levels at wells, extensometers that measure aquifer-system deformation and ground motion, and benchmark monuments that are periodically surveyed to measure ground motion.

2.1.1 Setup of the Chino Creek Extensometer Facility

During 2012, Watermaster installed the Chino Creek Extensometer Facility (CCX) on Chino Airport property in the City of Chino. The CCX is located south of Kimball Avenue and the Chino Airport and east of Euclid Avenue as shown on Figure 2-1. The CCX was installed to measure and record background data and the response of the aquifer system to new groundwater production at the Chino Creek Well Field that is scheduled to commence in 2015. The CCX began recording groundwater levels and vertical aquifer-system deformation in July 2012.

The CCX was constructed within a new dual-nested piezometer—Chino Creek Piezometer-A (CCPA). Figure 2-2 illustrates the borehole lithology, borehole geophysics, and the general well construction information for the CCPA. The shallow piezometer, CCPA-1, was completed within the shallow aquifer system. The deep piezometer, CCPA-2, was completed within the deep aquifer system. The shallow and deep aquifer systems at the CCX are separated by a layer of predominantly fine-grained sediments between about 130 and 230 feet below ground surface. The shallow extensometer, CCX-1, is a cable extensometer that was completed within CCPA-1 to measure vertical aquifer-system deformation across the shallow aquifer system. The deep extensometer, CCX-2, is a cable extensometer that was completed within CCPA-2 to measure vertical aquifer-system deformation across the shallow and deep aquifer systems. Subtraction of the two extensometer records provides aquifer-system deformation data for the deep aquifer system only.

The monitoring equipment to measure and record piezometric levels and aquifer-system compaction were installed and calibrated at the facility during June and July 2012. A benchmark monument was installed at the surface completion of the CCX to facilitate repeated leveling surveys of elevation and to tie the CCX elevation to the Ayala Park elevation datum. Details of the construction and setup of the CCX are described within the CCX installation report which is included as Appendix A to this report.

2.1.2 Maintenance of Monitoring Equipment and Facilities

During 2012, Watermaster's consulting engineer replaced five pressure transducers that were malfunctioning or had failed, and performed maintenance at the extensometer facilities. Maintenance activities included: protection of the PA facility against surface-water intrusion

during strong storms; refurbishment and calibration of the pressure transducers in PC-4 and PC-2; maintenance of Watermaster's Ayala Park website; and service of liquid-level equipment and installation of solar panels at the Daniels Horizontal Extensometer.

2.2 Monitoring and Testing during 2012

Watermaster's consulting engineer and/or sub-consultants perform the monitoring and testing programs under the direction of the Land Subsidence Committee. This section describes the monitoring and testing programs, and the implementation of these programs during 2012.

2.2.1 Long-Term Pumping Test in the Managed Area

The MZ-1 Plan states that Watermaster will assist the Parties with "additional testing and monitoring to refine the Guidance Criteria" and to "develop alternative pumping plans" to "produce a reasonable quantity of groundwater from MZ-1." Furthermore, the MZ-1 Plan states that Watermaster will assist the City of Chino Hills in an injection feasibility study to determine if injection is a viable tool for managing subsidence and maximizing the use of existing groundwater production infrastructure (see pages 2-5 and 2-6 of the MZ-1 Plan for reference).

The Land Subsidence Committee developed and is now implementing the Long-Term Pumping Test within the Managed Area in response to these directives in the MZ-1 Plan. The goal of the Long-Term Pumping Test is to develop a strategy for the prudent extraction of groundwater from the Managed Area. In this case, "prudent" is defined as extracting the maximum volume of groundwater without causing damage to the ground surface or the area's infrastructure. Specific questions that the program is designed to answer are:

1. Is the Guidance Level for the Managed Area, as currently defined, appropriate? If no, how should the Guidance Level be updated?
2. Does the Riley Barrier separate the Managed Area from the Southeast Area within the deep aquifer system? If not, should the eastern boundary of the Managed Area be revised?
3. How does subsidence (elastic and inelastic) and rebound that occurs in the Managed Area affect the horizontal strain across the historical zone of ground fissuring and its northward extension into the heavily-urbanized portions of the City of Chino?
4. Is aquifer injection a viable tool for mitigating drawdown and permanent compaction in the deep aquifer system?
5. Is there an "acceptable" rate of land subsidence in the Managed Area? If so, what is the "acceptable" rate?

The Land Subsidence Committee envisioned the following scope and sequence for the Long-Term Pumping Test:

1. Conduct a controlled pumping test of the deep aquifer system in the Managed Area at wells CH-17 and CH-15B (with arsenic treatment). This test should cause drawdown at PA-7 to fall below the Guidance Level. The test will be closely monitored at the

Ayala Park Extensometer and the horizontal monitoring facilities, and will be stopped at the first clear indication of permanent deformation.

2. Stop the pumping test and allow for partial recovery of groundwater levels.
3. Conduct two cycles of injection at CH-16 to see how injection may accelerate recovery of regional drawdown caused by pumping at CH-17 and CH-15B.
4. After injection tests, allow for full recovery of groundwater levels to pre-test conditions (PA-7 = 90 ft-btoc). Check stress-strain diagrams for permanent compaction of the aquifer system and/or horizontal deformation across the fissure zone.

The Long-Term Pumping Test began in spring of 2012 and is scheduled to continue until about July 2014. Ground-level surveys will be conducted when groundwater levels are at maximum drawdown and at maximum recovery. These benchmark elevation surveys will be compared to historical benchmark elevation surveys conducted at maximum recovery. Ground surface deformation will also be measured by InSAR throughout the duration of the test and at maximum drawdown and recovery of groundwater levels.

2.2.2 Monitoring of Piezometric Levels, Production, and Recharge

Changes in piezometric levels are the mechanism behind aquifer-system deformation and land subsidence. During 2012, water levels were measured and recorded once every 15 minutes using pressure transducers at 42 wells in the Managed Area, Central MZ-1, and the Southeast Area.

Production data were collected and compiled from the owners of the Managed Wells for calendar year 2012.

The volumes of recycled and imported water that were artificially recharged at basins in MZ-1 and MZ-2 and the direct use of recycled water within the Managed Area and the Southeast Area were collected from the Inland Empire Utilities Agency (IEUA) for fiscal year 2012.

2.2.3 Monitoring of Aquifer-System Deformation

Watermaster recorded aquifer-system deformation at the Ayala Park Extensometer and at the CCX where the vertical component of aquifer-system deformation is measured once every 15 minutes. Data collection at the CCX began in July 2012.

2.2.4 Monitoring of Vertical Ground-Surface Deformation

Watermaster monitors vertical ground motion via traditional leveling surveys and remote sensing (InSAR) techniques established during the IMP.

Watermaster retains Parsons Brinkerhoff (Parsons) to conduct the leveling surveys at selected benchmark monuments shown on Figure 2-1. The Land Subsidence Committee decides annually on the benchmarks to be surveyed. During fall 2012, Parsons conducted a leveling survey within the CCWF area. No leveling surveys were conducted in the Managed Area

because drawdown did not yet exceed the Guidance Level as planned in the Long-Term Pumping Test.

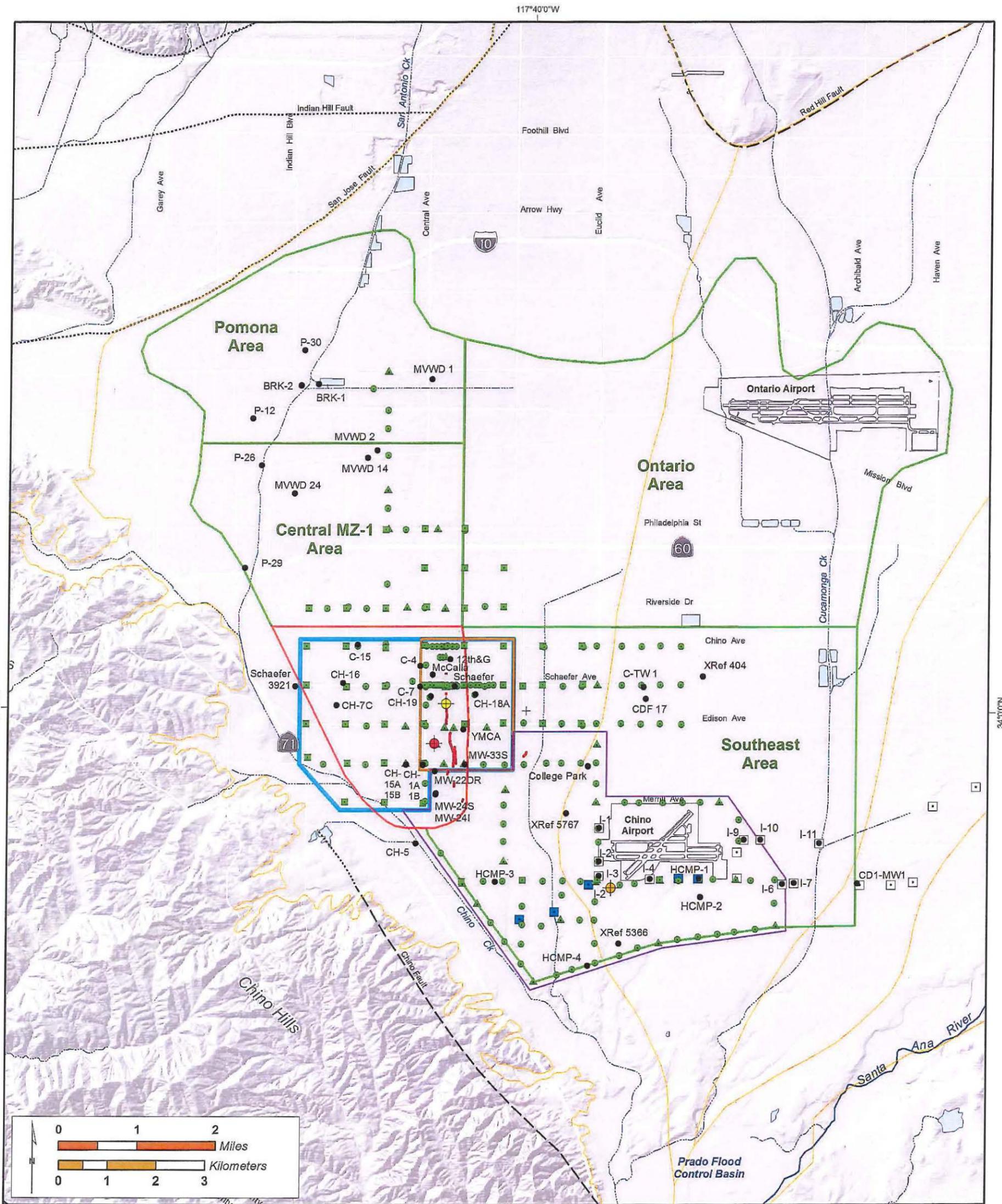
Watermaster retains Neva Ridge Technologies to acquire InSAR data from the TerraSAR-X satellite operated by the European Space Agency. The width of the TerraSAR-X data frame covers the western half of the Chino Basin only. All historical InSAR data that was collected and analyzed by Watermaster since 1993 indicates that very little vertical ground motion occurs in the eastern half of the Chino Basin. Five InSAR data frames were collected in February 2012, April 2012, July 2012, September 2012, and January 2013, and were used to create seven interferograms to record short-term and long-term vertical ground motion over the following periods:

- November 2011 to February 2012
- November 2011 to April 2012
- November 2011 to July 2012
- November 2011 to September 2012
- November 2011 to January 2013
- September 2011 to September 2012
- February 2012 to January 2013.

2.2.5 Monitoring of Horizontal Ground-Surface Deformation

Watermaster measures horizontal ground motion across the historical zone of ground fissuring via electronic distance measurements between benchmark monuments and at horizontal extensometers that are installed across the fissure zone within the shallow soils. In 2012, data were collected from the Daniels Horizontal Extensometer (DHX) which records extension and compression across the historical fissure zone once every 15 minutes.





Survey Benchmarks

- ▲ Class A Monuments
- Class B Monuments
- City Monuments

Survey Areas

- ▭ Southeast Area Surveys
- ▭ Fissure Zone Surveys
- ▭ Managed Area Surveys

Wells and Extensometers

- Well Monitored by Pressure Transducer during 2012
- Existing CDA Wells
- Chino Creek Well Field
- Ayala Park Extensometer
- Chino Creek Extensometer
- Daniels Horizontal Extensometer

Faults

- ▭ Managed Area
- ▭ Areas of Subsidence Concern
- ⤴ Ground Fissures
- Location Certain
- - - Location Approximate
- · - · - Approximate Location of Groundwater Barrier
- ⋯ Location Concealed
- · - · - Location Uncertain
- 1 2 3 4 Chino Basin Management Zones



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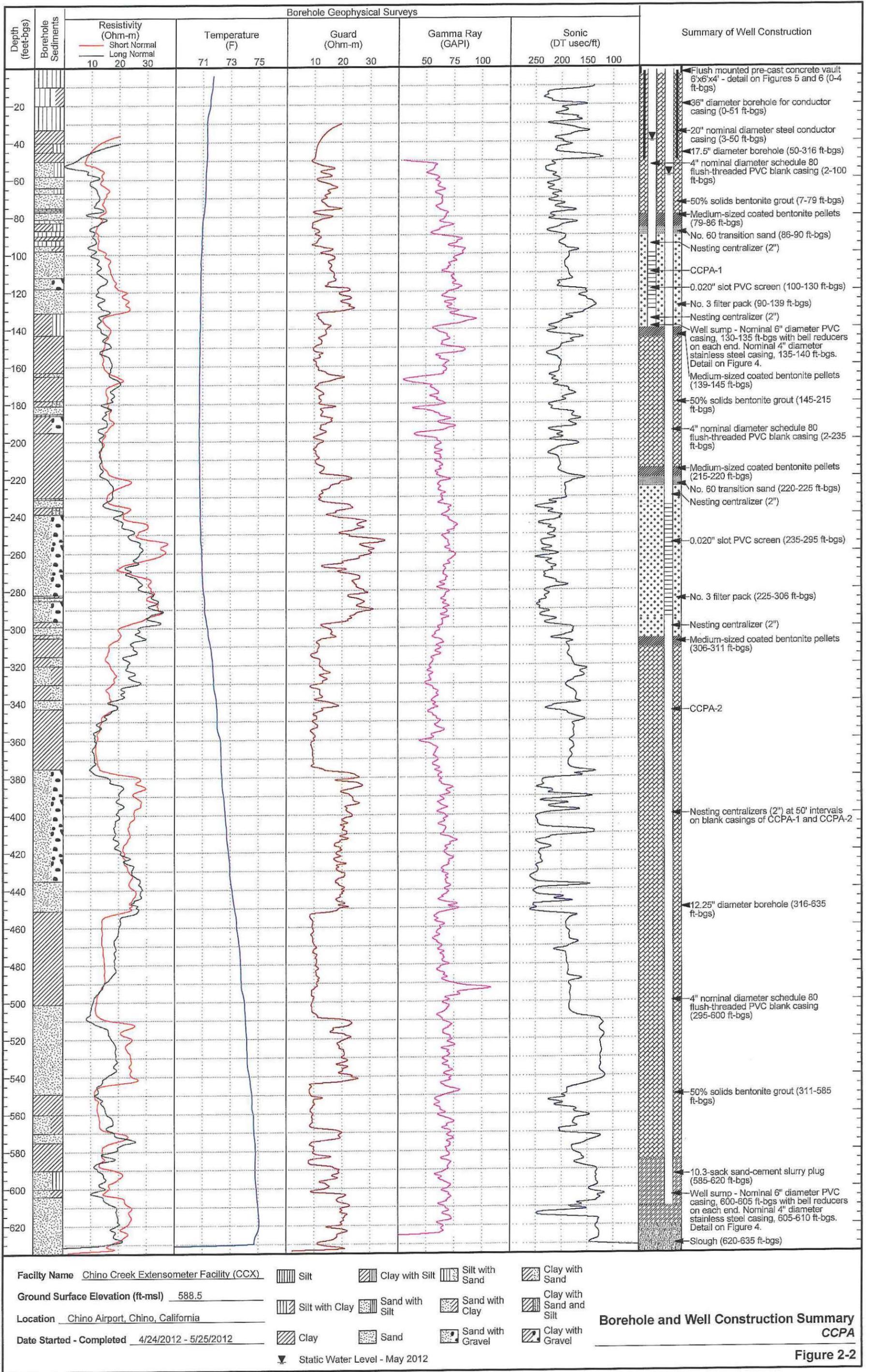


Figure 2-2

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Section 3 – Results and Interpretations

This section describes the results and interpretations of Watermaster’s subsidence monitoring efforts during 2012 in the Managed Area, Central MZ-1, the Pomona Area, the Ontario Area, and the Southeast Area.

3.1 Managed Area

The IMP demonstrated that in the Managed Area groundwater production from the deep aquifer is the primary influence on piezometric levels and the subsequent deformation of the aquifer system. The Managed Area is the primary focus of the MZ-1 Plan, so the discussion below describes the results of the monitoring program relative to the Guidance Criteria in the MZ-1 Plan.

3.1.1 Groundwater Production

Table 3-1 summarizes groundwater production by well within the Managed Area for 2012. Approximately 5,400 acre-feet of groundwater was pumped from the Managed Area in 2012—about 75 percent of the production was from wells screened in the shallow aquifer system (4,048 acre-feet) and 25 percent from wells screened in both the shallow and deep aquifer systems (1,328 acre-feet).

Figure 3-1 includes a bar chart of the production data shown in Table 3-1. It illustrates the seasonal pattern of production in the Managed Area. Production increases during the warmer spring/summer months, and decreases during the cooler fall/winter months. Production from the deep aquifer system ceased during the winter.

3.1.2 Groundwater Levels

Figure 3-1 includes a time-series chart of the piezometric levels at the Ayala Park Extensometer facility. These data corroborate the conclusions of the IMP and show that pumping from the deep, confined, aquifer system causes groundwater-level drawdown that is much greater in magnitude than drawdown caused by pumping of the shallow aquifer system, even though more pumping occurs from the shallow aquifer system.

Piezometric levels at the PA-7 piezometer declined by about 82 feet during the summer of 2012 while Chino Hills’ Well 17 was pumping. Levels at PA-7 never declined below the Guidance Level of 245 ft-btoc.

3.1.3 Aquifer-System Deformation

Figure 3-1 includes a time-series chart of vertical deformation of the aquifer system as measured at the Ayala Park Extensometer facility. These data illustrate elastic deformation of the aquifer system during drawdown and recovery of piezometric levels during 2011 and 2012. The deep extensometer recorded about 0.06 feet of elastic deformation in 2012.

Figure 3-2 is a stress-strain diagram of piezometric levels measured at PA-7 (stress) versus vertical deformation of the aquifer system measured at the deep extensometer (strain). The

overlapping hysteresis loops of this stress-strain diagram since 2009 indicates that little, if any, inelastic compaction of the aquifer system sediments is occurring at Ayala Park.

3.1.4 Vertical Ground Motion

Figure 3-3 is a map of vertical ground motion across the western portion of Chino Basin as measured by InSAR and leveling surveys from fall-2011 to fall-2012. Vertical motion of the ground surface was minimal (± 0.01 feet) in the Managed Area during this period, which is consistent with the data from the Ayala Park Extensometer shown on Figure 3-1.

3.1.5 Horizontal Ground Motion

Figure 3-4 is a map of the DHX which measures and records horizontal extension and compression within the shallow soils across the historical fissure zone where it passes north of 12th Street in Chino. The DHX is comprised of nine quartz-tube extensometers that were installed within a trench in an east/west series. The western extensometer is 10-feet long and the other eight extensometers are 20-feet long. The total length of the DHX is about 170 feet. The Q11 extensometer spans the surface rupture of the historical ground fissure.

Figure 3-5 is a time-series chart of horizontal deformation across the length of the DHX from west to east. The DHX began recording on October 5, 2011. The extension/compression data shown on Figure 3-5 were set to zero on May 17, 2012, prior to initiation of pumping at CH-17. Also shown on the chart is the vertical compression of the aquifer system as measured by the deep extensometer at the Ayala Park Extensometer facility, which is a measure of the compression and rebound that is occurring west of the fissure zone.

Figure 3-5 generally shows compression across the fissure zone during rebound of the land surface to the west, and extension during subsidence to the west. This pattern of horizontal strain is consistent with the conceptual model of drawdown and compression west of the fissure zone causing differential subsidence and extensional stresses across the fissure zone (and visa versa). The majority of horizontal extensometers show this same pattern, including Q11, but with differing response time and magnitude of deformation. The response of the DHX to changes at the deep extensometer was almost immediate (i.e. response times of less than an hour).

Figure 3-5 indicates a net horizontal compression of the shallow soils from October 2011 to October 2012, even though subsidence and rebound of the ground surface at Ayala Park was essentially elastic.

3.1.6 Summary

Figure 3-6 provides a comprehensive description and explanation of the history of subsidence in the Managed Area. The most recent data from InSAR, ground-level surveys, and extensometers indicates that minimal vertical ground motion occurred in this area during 2011-2012. The lack of recent subsidence in this area is consistent with the observation that piezometric levels at PA-7 have not declined below the Guidance Level of 245 ft-btoc since about 2005.

3.2 Central MZ-1 Area

Figure 3-7 provides a comprehensive description and explanation of the history of subsidence in the Central MZ-1. The InSAR data on Figure 3-3 indicates that minimal vertical ground motion occurred in this area during the period of fall-2011 to fall-2012. The lack of recent subsidence is consistent with the recent time-series of production, groundwater levels, and subsidence shown on Figure 3-7.

3.3 Pomona Area

Figure 3-8 provides a comprehensive description and explanation of the history of subsidence in the Pomona Area. The InSAR data on Figure 3-3 indicate that a maximum of about 0.04 feet of land subsidence occurred in this area during the period of fall-2011 to fall-2012. This pattern of subsidence is consistent with the historical time-series of subsidence in this area shown on Figure 3-8, but suggests a decrease in the rate of subsidence. Currently, there are not enough aquifer-system data available to definitively explain the causes of the subsidence in this area or the changes in rate of subsidence.

Of particular concern in the Pomona Area is that the historical and ongoing subsidence has been differential across the San Jose Fault. This is the same spatial pattern of subsidence that led to the episode of ground fissuring in the Managed Area during the 1990s.

3.4 Ontario Area

Figure 3-9 provides a comprehensive description and explanation of the history of subsidence in the Ontario Area. The InSAR data on Figure 3-3 indicate that minimal vertical ground motion occurred in this area during the period of fall-2011 to fall-2012. This indicates a decrease in the recent rate of subsidence. Currently, there are not enough aquifer-system data available to definitively explain the causes of the subsidence in this area or the changes in rate of subsidence.

3.5 Southeast Area

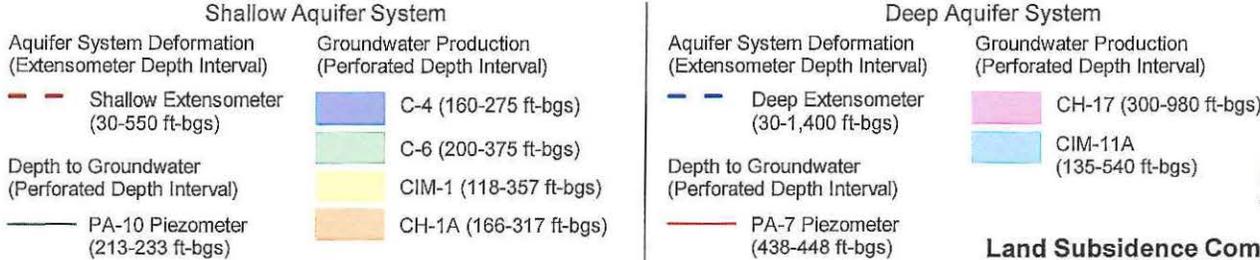
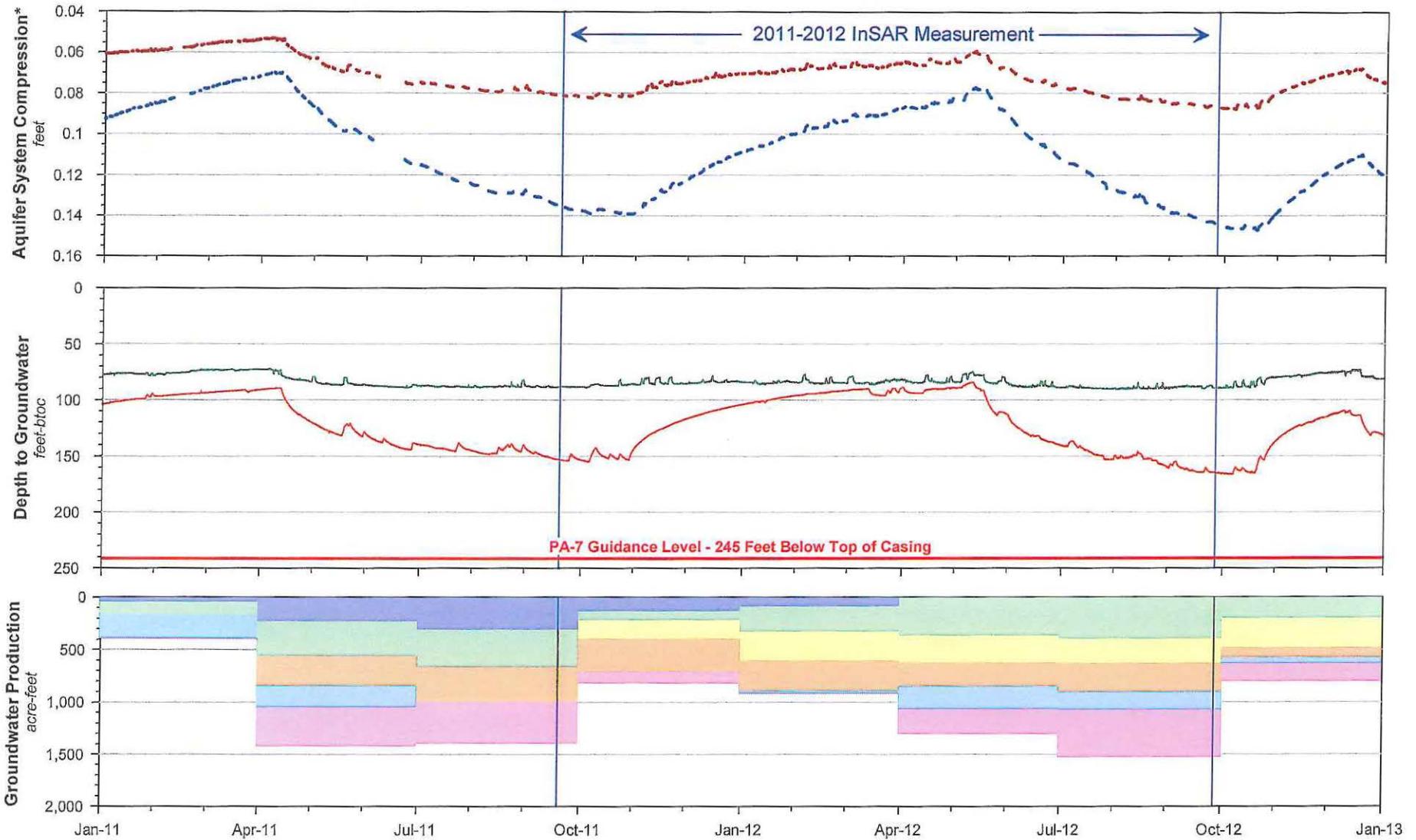
Figure 3-10 provides a comprehensive description and explanation of the history of subsidence in the Southeast Area. The InSAR on Figure 3-3 indicate that minimal vertical ground motion occurred across this area during the period of fall-2011 to fall-2012. The ground-level survey data in the vicinity of the Chino Desalter well field indicates a rebound of the land surface of about 0.05 feet over this same period. Both data sets suggest a decrease in the recent rate of subsidence or cessation of subsidence altogether.

The CCX has been measuring and recording piezometric and aquifer-system deformation data in the vicinity of the Chino Desalter well field since July 2012. Figure 3-11 is a time series chart of these data. In this area, pumping from the Desalter well field has been primarily from the deep aquifer system. In the shallow aquifer system, the data show virtually no change in piezometric levels or aquifer-system deformation. In the deep aquifer system, piezometric levels recovered by about 10 feet from September to December 2012, and the deep CCX-2 extensometer recorded a small, corresponding expansion of the aquifer system.

Table 3-1
Groundwater Production in the Managed Area for 2012
acre-feet

| Well Name | Aquifer Layer | 2012 Calendar Year | | | | Annual Total | Annual Total by Aquifer Layer |
|---------------|------------------|--------------------|--------------|--------------|------------|--------------|-------------------------------|
| | | Quarter 1 | Quarter 2 | Quarter 3 | Quarter 4 | | |
| C-4 | Shallow | 85 | 0 | 0 | 0 | 85 | 4,048 |
| C-6 | | 242 | 367 | 396 | 195 | 1,201 | |
| CH-1A | | 284 | 222 | 269 | 95 | 871 | |
| CH-7A | | 133 | 122 | 112 | 22 | 389 | |
| CH-7B | | 180 | 167 | 63 | 28 | 438 | |
| CIM-1 | | 278 | 261 | 238 | 287 | 1,064 | |
| CH-17 | Shallow and Deep | 0 | 241 | 453 | 169 | 864 | 1,328 |
| CIM-11A | | 26 | 215 | 169 | 54 | 465 | |
| Totals | | 1,202 | 1,381 | 1,532 | 797 | 4,912 | 5,377 |





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 WILDERMUTH ENVIRONMENTAL INC.
 Author: TCR
 Date: 20131120
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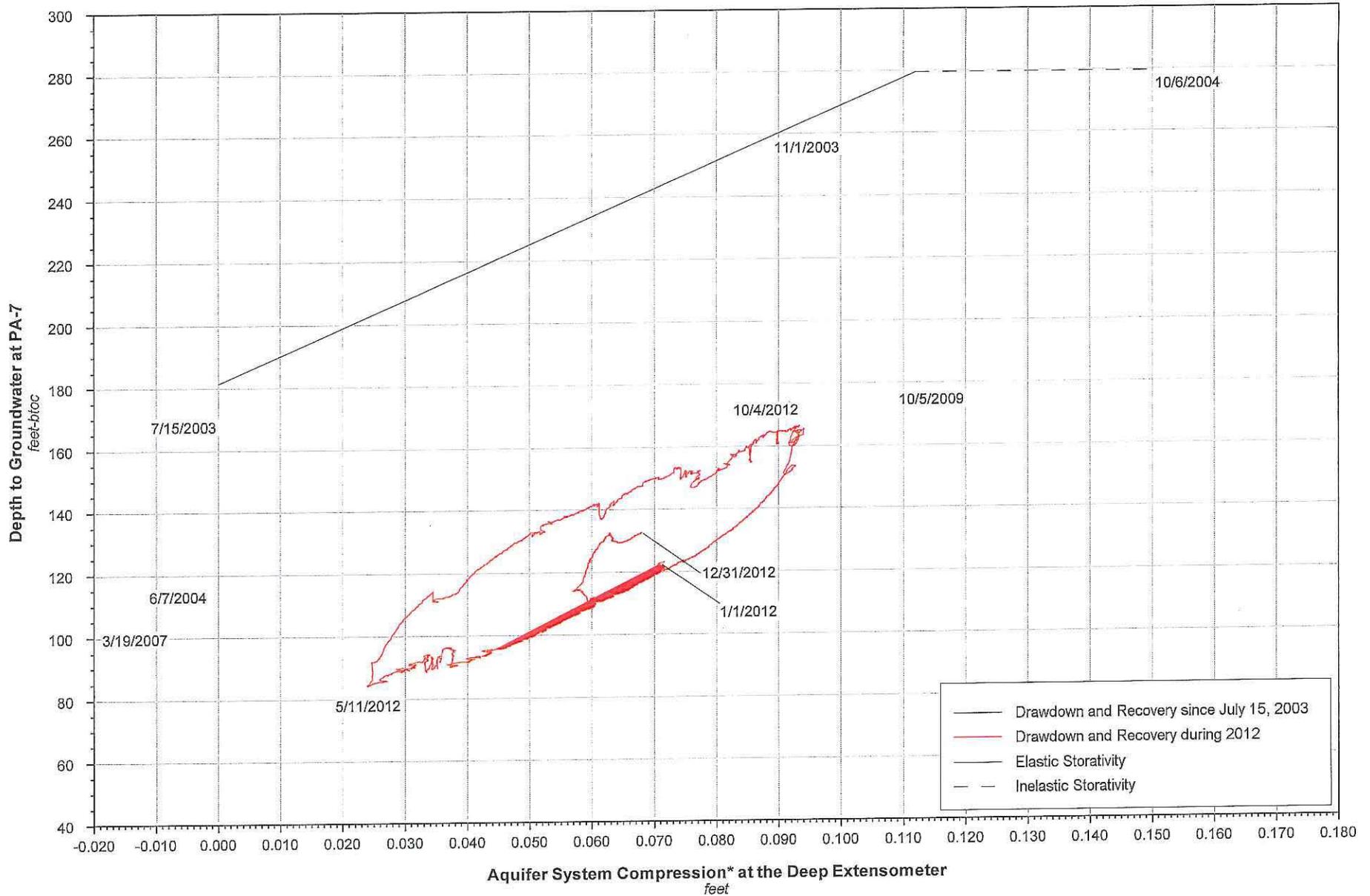


Stress and Strain within the Managed Area

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Figure 3-1

*Positive compression values represent compression of soils, negative compression values represent expansion of soils



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 Date: 20130610
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Depth Interval of PA-7 Perforations
 = 438-448 ft-bgs
 Depth Interval of the Deep Extensometer
 = 30-1,400 feet-bgs

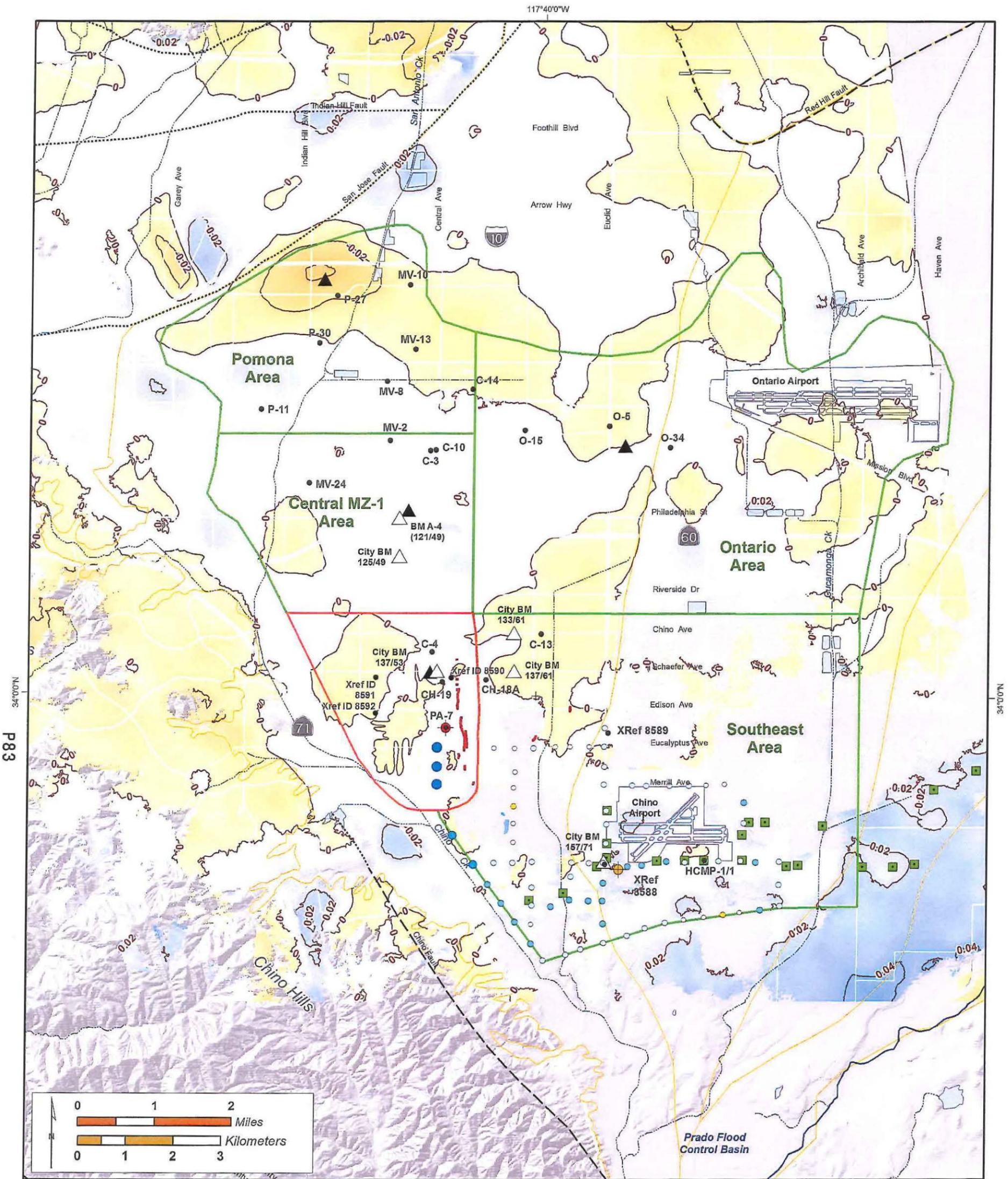
*Positive compression values represent compression of soils, negative compression values represent expansion of soils



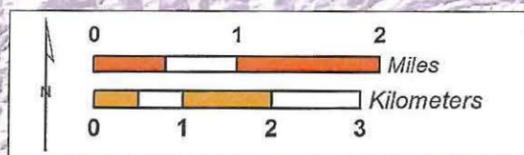
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Stress-Strain Diagram
 PA-7 Piezometer vs. Deep Extensometer

Figure 3-2



P83



Relative Change in Land Surface Altitudes Measured by Leveling Surveys November 2011 to November 2012 (feet)

- +0.10 - +0.12
- +0.08 - +0.10
- +0.06 - +0.08
- +0.04 - +0.06
- +0.02 - +0.04
- 0.00 - +0.02
- -0.00 - -0.02
- -0.02 - -0.04

+0.1
0
-0.05
-0.1

Relative Change in Land Surface Altitude as Measured by InSAR September 2011 to September 2012 (feet)

□ InSAR data absent (incoherent)

△ Survey Measurement Stations (see Figures 3-6 to 3-10)

▲ InSAR Measurement Point (see Figures 3-6 to 3-10)

Wells and Extensometers

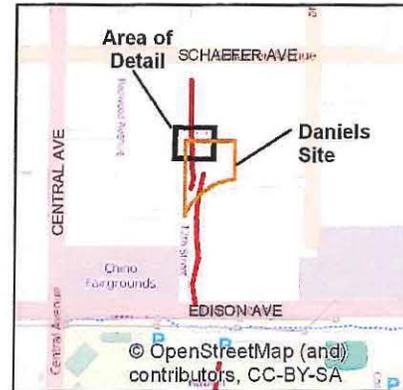
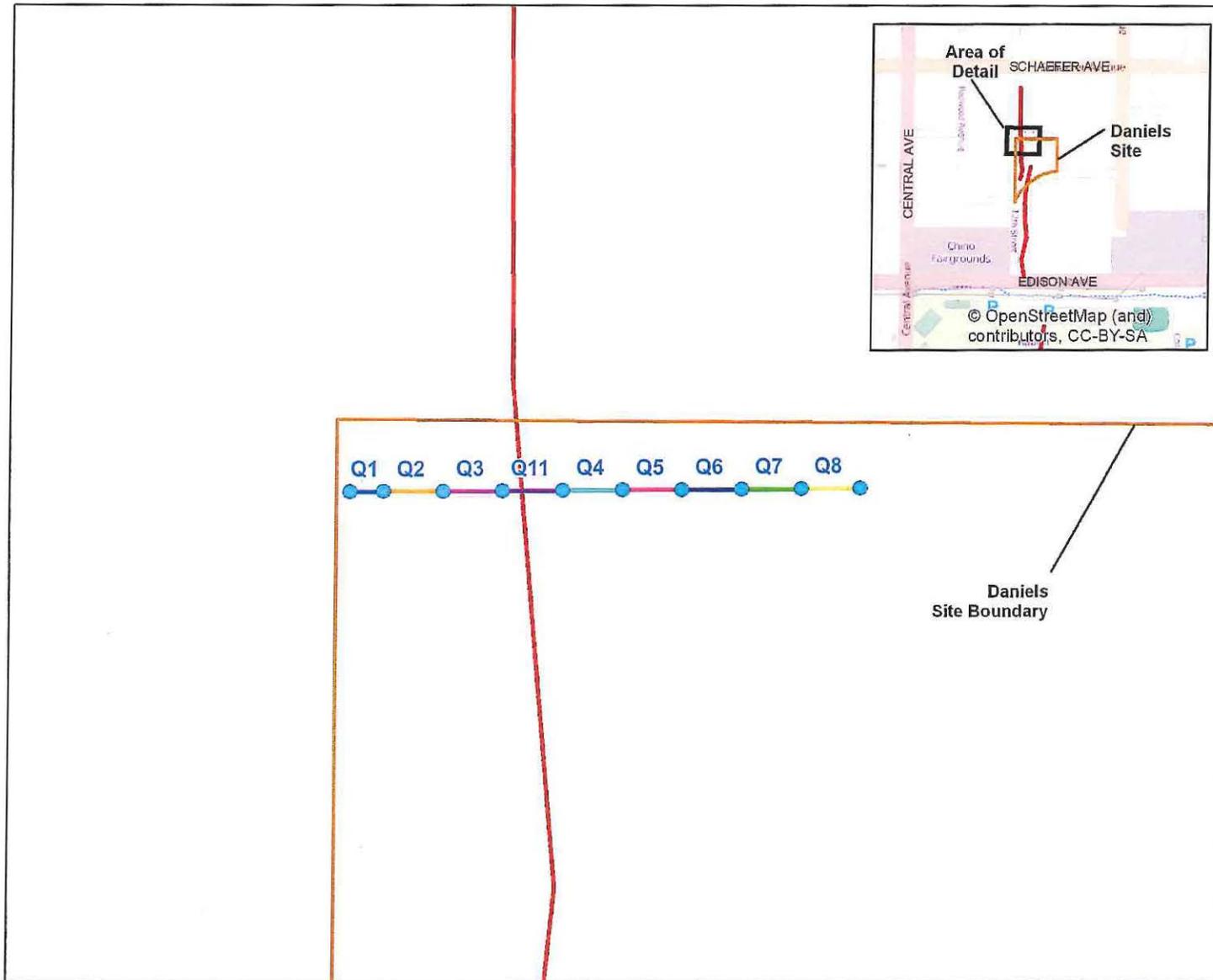
- Wells with Water Level Data (see Figures 3-6 to 3-10)
- Desalter Well
- ⊙ Ayala Park Extensometer
- ⊙ Chino Creek Extensometer

117°40'0"W

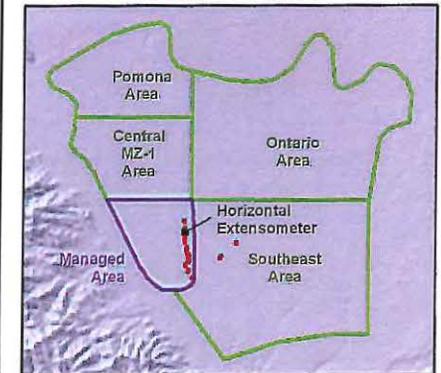
- ▭ Managed Area
- ▭ Areas of Subsidence Concern
- ⌋ Ground Fissures
- Faults**
- Location Certain
- - - Location Approximate
- · - · - Approximate Location of Groundwater Barrier
- ⋯ Location Concealed
- - - ? Location Uncertain
- 1 2 3 Chino Basin Management Zones



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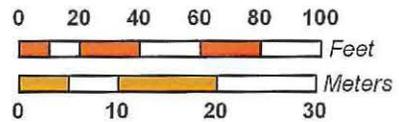


- Horizontal Extensometer Benchmark
- Quartz Tube Extensometer
color corresponds to recorded deformation shown on Figure 3-5
- Historical Ground Fissures (1990s)



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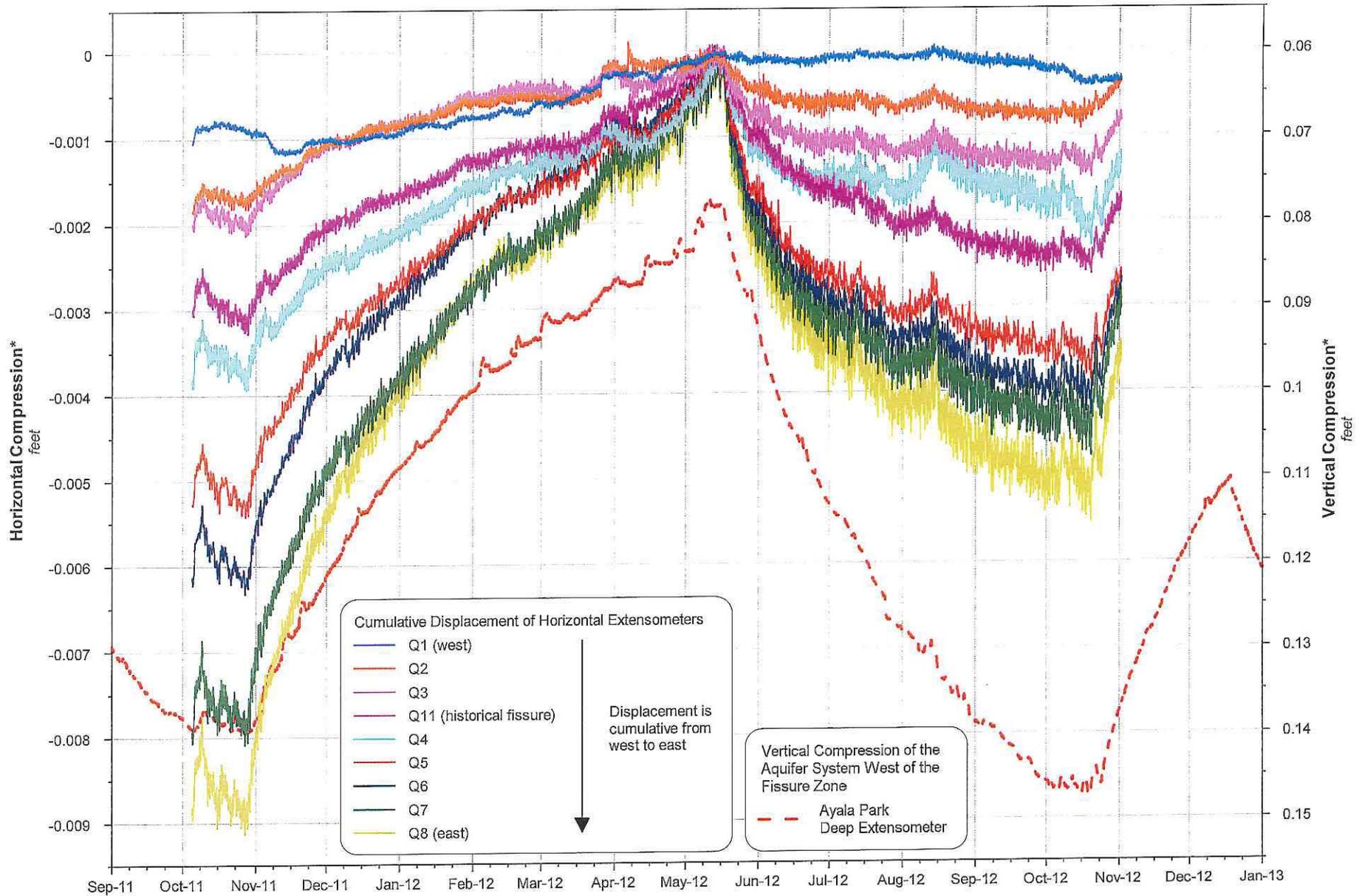
Author: TCR
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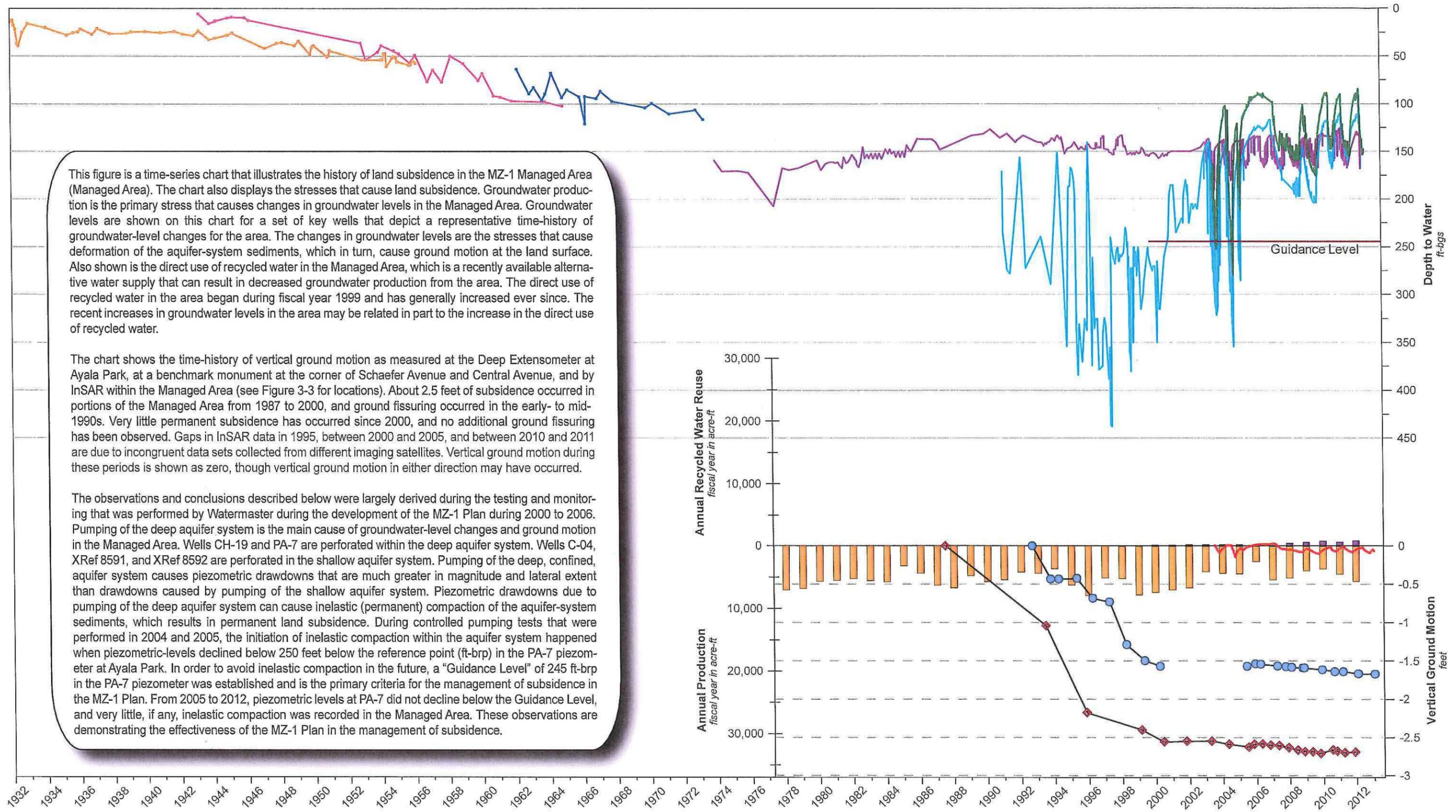


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Location of the Daniels Horizontal Extensometer

Figure 3-4



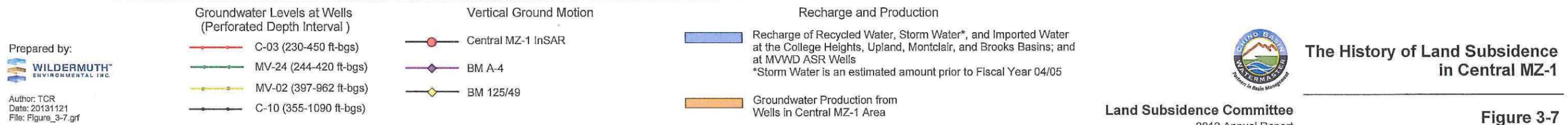
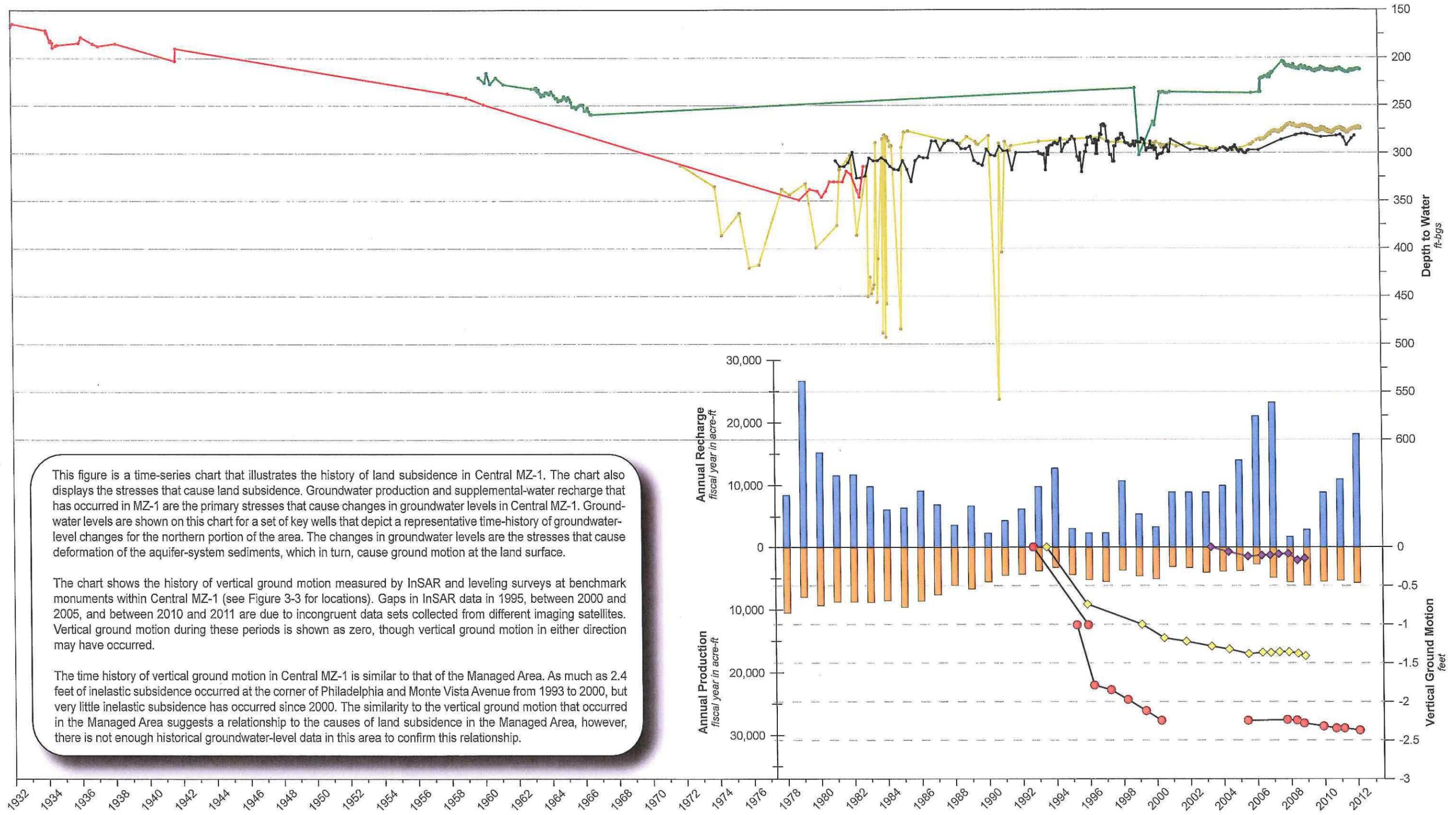


This figure is a time-series chart that illustrates the history of land subsidence in the MZ-1 Managed Area (Managed Area). The chart also displays the stresses that cause land subsidence. Groundwater production is the primary stress that causes changes in groundwater levels in the Managed Area. Groundwater levels are shown on this chart for a set of key wells that depict a representative time-history of groundwater-level changes for the area. The changes in groundwater levels are the stresses that cause deformation of the aquifer-system sediments, which in turn, cause ground motion at the land surface. Also shown is the direct use of recycled water in the Managed Area, which is a recently available alternative water supply that can result in decreased groundwater production from the area. The direct use of recycled water in the area began during fiscal year 1999 and has generally increased ever since. The recent increases in groundwater levels in the area may be related in part to the increase in the direct use of recycled water.

The chart shows the time-history of vertical ground motion as measured at the Deep Extensometer at Ayala Park, at a benchmark monument at the corner of Schaefer Avenue and Central Avenue, and by InSAR within the Managed Area (see Figure 3-3 for locations). About 2.5 feet of subsidence occurred in portions of the Managed Area from 1987 to 2000, and ground fissuring occurred in the early- to mid-1990s. Very little permanent subsidence has occurred since 2000, and no additional ground fissuring has been observed. Gaps in InSAR data in 1995, between 2000 and 2005, and between 2010 and 2011 are due to incongruent data sets collected from different imaging satellites. Vertical ground motion during these periods is shown as zero, though vertical ground motion in either direction may have occurred.

The observations and conclusions described below were largely derived during the testing and monitoring that was performed by Watermaster during the development of the MZ-1 Plan during 2000 to 2006. Pumping of the deep aquifer system is the main cause of groundwater-level changes and ground motion in the Managed Area. Wells CH-19 and PA-7 are perforated within the deep aquifer system. Wells C-04, XRef 8591, and XRef 8592 are perforated in the shallow aquifer system. Pumping of the deep, confined, aquifer system causes piezometric drawdowns that are much greater in magnitude and lateral extent than drawdowns caused by pumping of the shallow aquifer system. Piezometric drawdowns due to pumping of the deep aquifer system can cause inelastic (permanent) compaction of the aquifer-system sediments, which results in permanent land subsidence. During controlled pumping tests that were performed in 2004 and 2005, the initiation of inelastic compaction within the aquifer system happened when piezometric-levels declined below 250 feet below the reference point (ft-brp) in the PA-7 piezometer at Ayala Park. In order to avoid inelastic compaction in the future, a "Guidance Level" of 245 ft-brp in the PA-7 piezometer was established and is the primary criteria for the management of subsidence in the MZ-1 Plan. From 2005 to 2012, piezometric levels at PA-7 did not decline below the Guidance Level, and very little, if any, inelastic compaction was recorded in the Managed Area. These observations are demonstrating the effectiveness of the MZ-1 Plan in the management of subsidence.

| | | | | | |
|------------------|--|--|---|--|---|
| Prepared by: | Groundwater Levels at Wells (Perforated Interval Depth) C-04 (160-275 ft-bgs) CH-19 (340-1000 ft-bgs) PA-7 (438-448 ft-bgs) XRef 8590 (80-225 ft-bgs) | Vertical Ground Motion BM 137/53 Cumulative Displacement Managed Area InSAR Ayala Park Deep Extensometer Measurements Between 30 to 1,400 ft-bgs | Recharge and Production Recycled Water Reuse Applied in MZ1 Managed Area Groundwater Production from Wells in MZ1 Managed Area | | The History of Land Subsidence in the MZ1 Managed Area |
| | Author: TCR Date: 20131122 File: Figure_3-6.grf | Land Subsidence Committee 2012 Annual Report | | | |



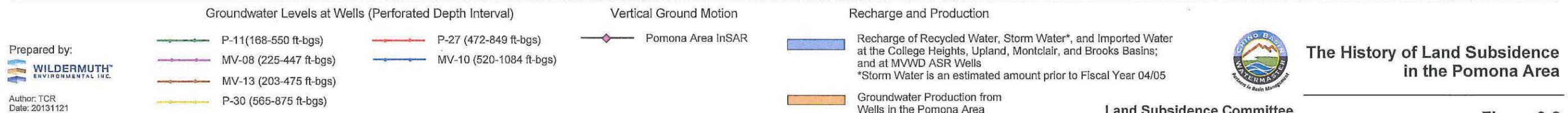
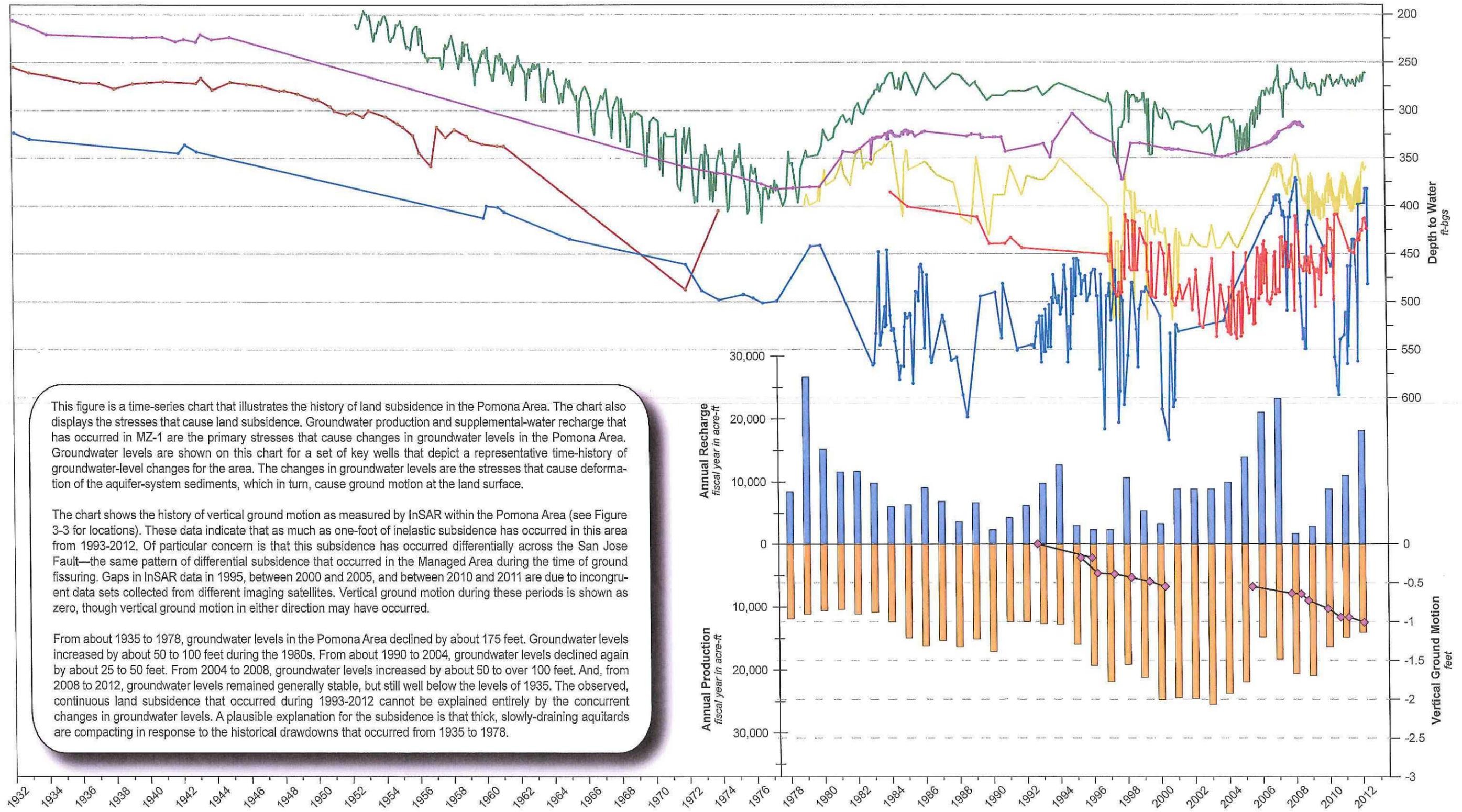
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The History of Land Subsidence in Central MZ-1

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Figure 3-7



Prepared by:

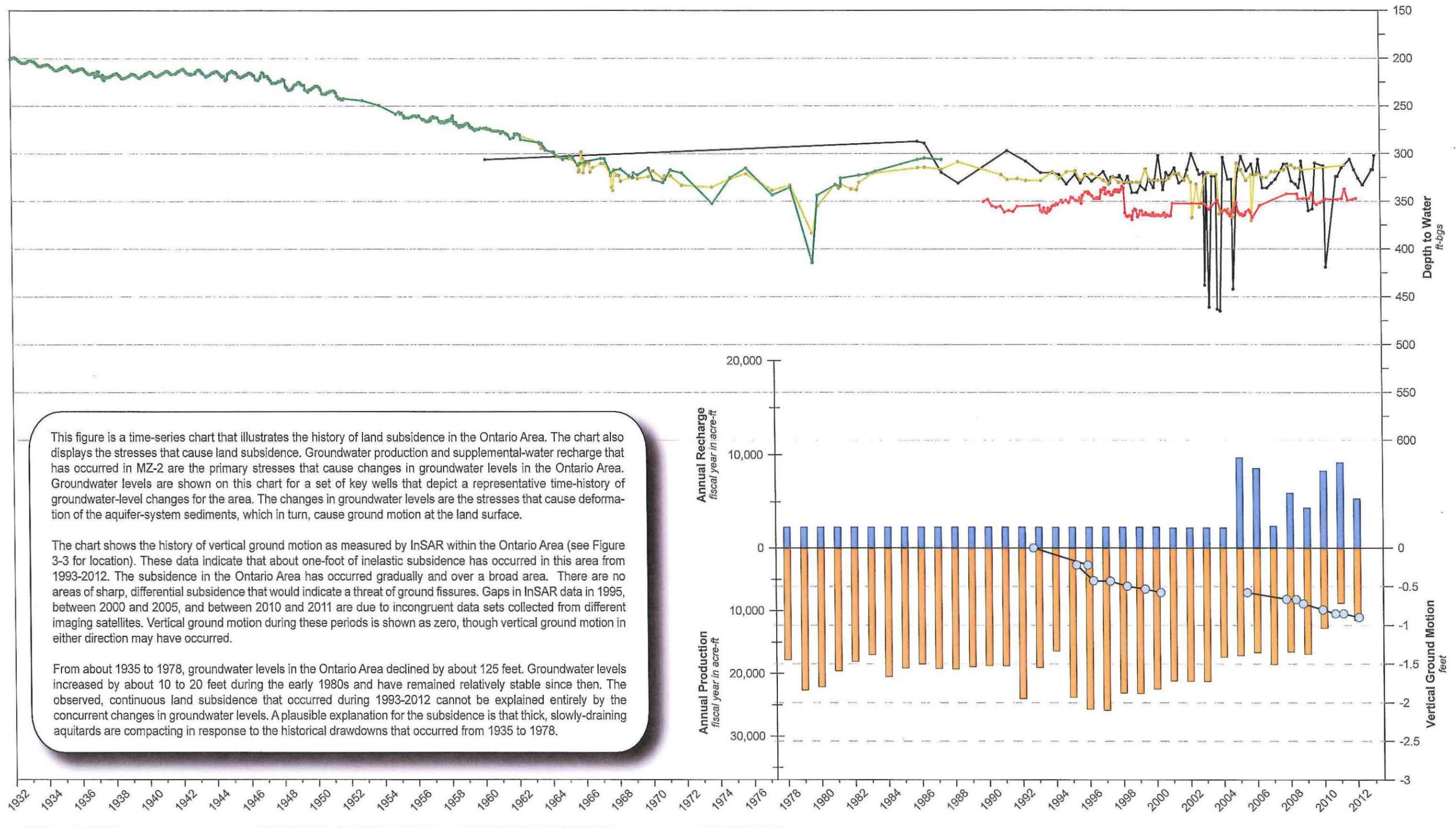
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The History of Land Subsidence in the Pomona Area

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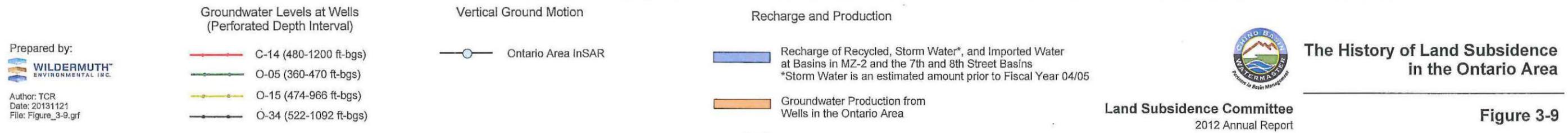
Figure 3-8



This figure is a time-series chart that illustrates the history of land subsidence in the Ontario Area. The chart also displays the stresses that cause land subsidence. Groundwater production and supplemental-water recharge that has occurred in MZ-2 are the primary stresses that cause changes in groundwater levels in the Ontario Area. Groundwater levels are shown on this chart for a set of key wells that depict a representative time-history of groundwater-level changes for the area. The changes in groundwater levels are the stresses that cause deformation of the aquifer-system sediments, which in turn, cause ground motion at the land surface.

The chart shows the history of vertical ground motion as measured by InSAR within the Ontario Area (see Figure 3-3 for location). These data indicate that about one-foot of inelastic subsidence has occurred in this area from 1993-2012. The subsidence in the Ontario Area has occurred gradually and over a broad area. There are no areas of sharp, differential subsidence that would indicate a threat of ground fissures. Gaps in InSAR data in 1995, between 2000 and 2005, and between 2010 and 2011 are due to incongruent data sets collected from different imaging satellites. Vertical ground motion during these periods is shown as zero, though vertical ground motion in either direction may have occurred.

From about 1935 to 1978, groundwater levels in the Ontario Area declined by about 125 feet. Groundwater levels increased by about 10 to 20 feet during the early 1980s and have remained relatively stable since then. The observed, continuous land subsidence that occurred during 1993-2012 cannot be explained entirely by the concurrent changes in groundwater levels. A plausible explanation for the subsidence is that thick, slowly-draining aquitards are compacting in response to the historical drawdowns that occurred from 1935 to 1978.



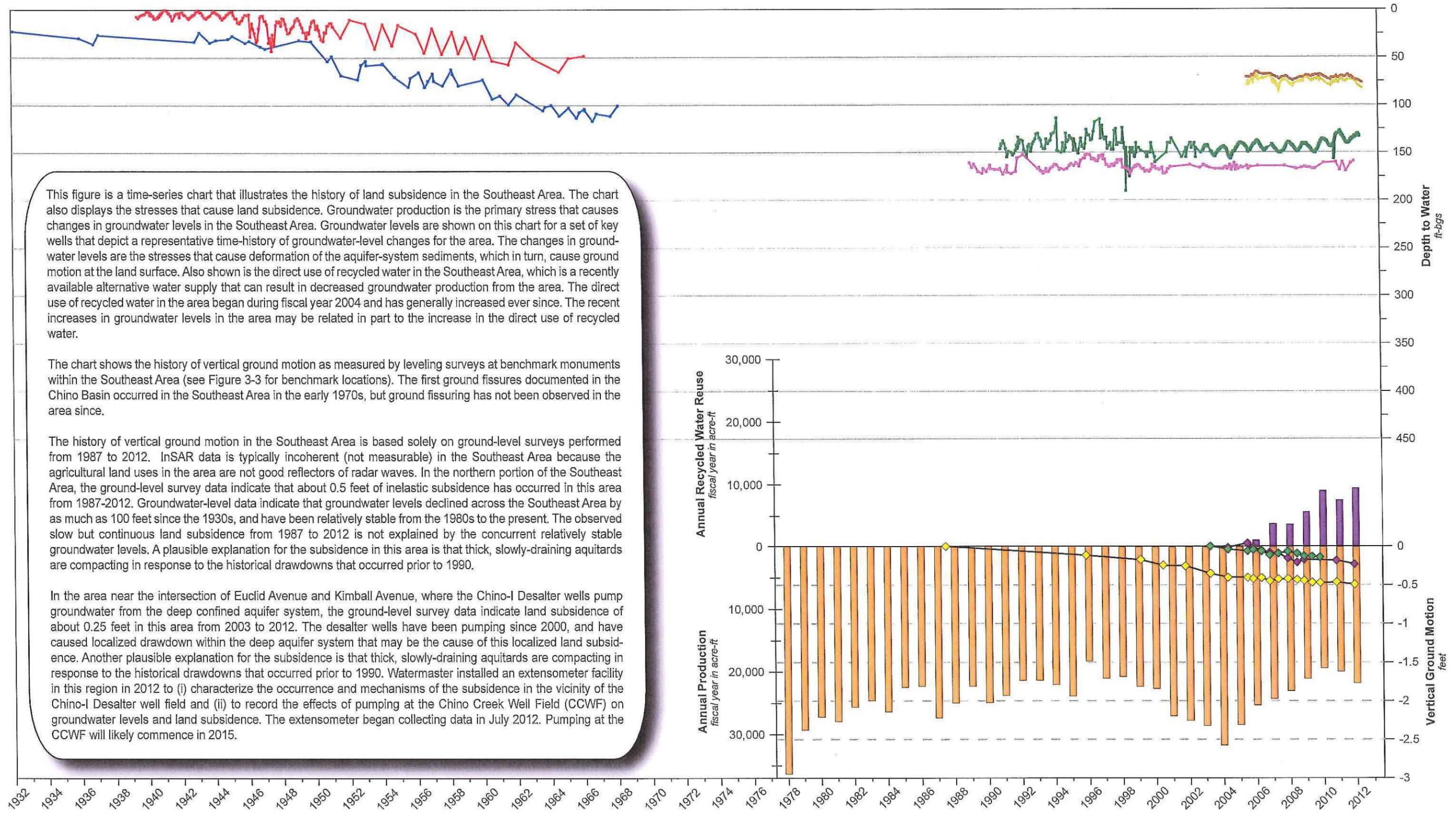
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 Date: 20131121
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The History of Land Subsidence in the Ontario Area

Land Subsidence Committee
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Figure 3-9



This figure is a time-series chart that illustrates the history of land subsidence in the Southeast Area. The chart also displays the stresses that cause land subsidence. Groundwater production is the primary stress that causes changes in groundwater levels in the Southeast Area. Groundwater levels are shown on this chart for a set of key wells that depict a representative time-history of groundwater-level changes for the area. The changes in groundwater levels are the stresses that cause deformation of the aquifer-system sediments, which in turn, cause ground motion at the land surface. Also shown is the direct use of recycled water in the Southeast Area, which is a recently available alternative water supply that can result in decreased groundwater production from the area. The direct use of recycled water in the area began during fiscal year 2004 and has generally increased ever since. The recent increases in groundwater levels in the area may be related in part to the increase in the direct use of recycled water.

The chart shows the history of vertical ground motion as measured by leveling surveys at benchmark monuments within the Southeast Area (see Figure 3-3 for benchmark locations). The first ground fissures documented in the Chino Basin occurred in the Southeast Area in the early 1970s, but ground fissuring has not been observed in the area since.

The history of vertical ground motion in the Southeast Area is based solely on ground-level surveys performed from 1987 to 2012. InSAR data is typically incoherent (not measurable) in the Southeast Area because the agricultural land uses in the area are not good reflectors of radar waves. In the northern portion of the Southeast Area, the ground-level survey data indicate that about 0.5 feet of inelastic subsidence has occurred in this area from 1987-2012. Groundwater-level data indicate that groundwater levels declined across the Southeast Area by as much as 100 feet since the 1930s, and have been relatively stable from the 1980s to the present. The observed slow but continuous land subsidence from 1987 to 2012 is not explained by the concurrent relatively stable groundwater levels. A plausible explanation for the subsidence in this area is that thick, slowly-draining aquitards are compacting in response to the historical drawdowns that occurred prior to 1990.

In the area near the intersection of Euclid Avenue and Kimball Avenue, where the Chino-I Desalter wells pump groundwater from the deep confined aquifer system, the ground-level survey data indicate land subsidence of about 0.25 feet in this area from 2003 to 2012. The desalter wells have been pumping since 2000, and have caused localized drawdown within the deep aquifer system that may be the cause of this localized land subsidence. Another plausible explanation for the subsidence is that thick, slowly-draining aquitards are compacting in response to the historical drawdowns that occurred prior to 1990. Watermaster installed an extensometer facility in this region in 2012 to (i) characterize the occurrence and mechanisms of the subsidence in the vicinity of the Chino-I Desalter well field and (ii) to record the effects of pumping at the Chino Creek Well Field (CCWF) on groundwater levels and land subsidence. The extensometer began collecting data in July 2012. Pumping at the CCWF will likely commence in 2015.

| | | | | | |
|---|---------------------------|------------------------|---------------------|-------------------------|---|
| Groundwater Levels at Wells (Perforated Depth Interval) | | Vertical Ground Motion | | Recharge and Production | |
| | CH-18A (420-980 ft-bgs) | | XRef 8588 (unknown) | | Recycled Water Reuse Applied in the Southeast Area |
| | C-13 (290-720 ft-bgs) | | XRef 8589 (unknown) | | Groundwater Production from Wells in the Southeast Area |
| | HCMP-1/1 (135-175 ft-bgs) | | BM 133/61 | | |
| | HCMP-1/2 (300-320 ft-bgs) | | BM 137/61 | | |
| | | | BM 157/71 | | |

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 Date: 20131121
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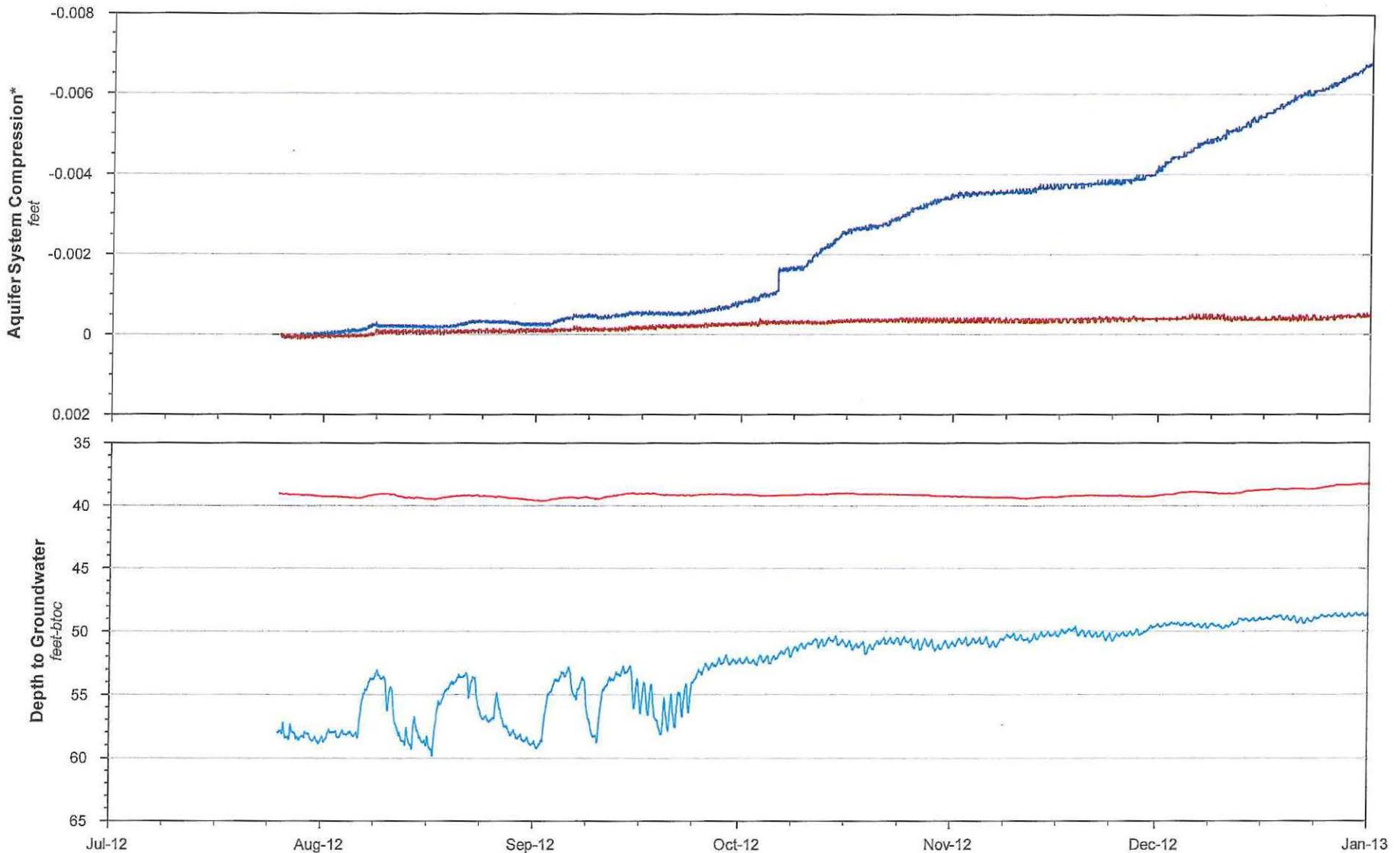


The History of Land Subsidence in the Southeast Area

Land Subsidence Committee
 2012 Annual Report

Figure 3-10

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Shallow Aquifer System
 Aquifer System Deformation
 (Extensometer Depth Interval)
 — CCX-1 Extensometer
 (50-140 ft-bgs)
 Depth to Groundwater
 (Perforated Depth Interval)
 — CCPA-1 Piezometer
 (100-130 ft-bgs)

Deep Aquifer System
 Aquifer System Deformation
 (Extensometer Depth Interval)
 — CCX-2 Extensometer
 (50-610 ft-bgs)
 Depth to Groundwater
 (Perforated Depth Interval)
 — CCPA-2 Piezometer
 (235-295 ft-bgs)

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 Date: 20131120
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Stress and Strain
 Chino Creek Extensometer
Figure 3-11

*Positive compression values represent compression of soils, negative compression values represent expansion of soils

Section 4 – Conclusions and Recommendations

4.1 Conclusions

The following are conclusions based on the data collected and analyzed for the Land-Subsidence Monitoring Program through 2012:

- Pumping of the Managed Wells did not cause drawdown of groundwater levels below the Guidance Level as measured at the PA-7 piezometer, and very little, if any, permanent subsidence was recorded in the Managed Area during 2012. These observations demonstrate the effectiveness of the MZ1 Plan in the management of subsidence.
- During 2012, differential land subsidence continued to occur in the Pomona Area across the San Jose Fault, which is the type of vertical deformation of the land surface that can lead to ground fissuring. A more intensive program of testing and monitoring is needed to better characterize the causes of land subsidence and the threat of ground fissuring in this area.
- The horizontal-strain data collected to date at the DHX demonstrates a logical response to stresses in the Managed Area:
 - horizontal extension across the fissure zone during subsidence of the ground surface in the Managed Area
 - horizontal compression across the fissure zone during rebound of the land surface in the Managed Area

The data that will be collected and analyzed from the DHX during the Long-Term Pumping Test in the Managed Area is needed to determine if it is capable of producing “management-grade” information in the future.

- Since the installation of the CCX in July 2012, there has been very little fluctuation of groundwater levels or vertical deformation of the aquifer system. There appears to be very little, if any, ongoing subsidence at the CCX.

4.2 Recommendations for Testing and Monitoring – Fiscal Year 2013-14

The scope-of-work for the Land-Subsidence Monitoring Program for fiscal year 2013/14 is shown in Table 4-1 as a work breakdown structure with cost estimates. The Chino Basin Watermaster has approved this scope and budget, which includes:

- Continued regular and as-needed maintenance at the Ayala Park Extensometer, Chino Creek Extensometer, and Daniels Horizontal Extensometer.
- Continued quarterly collection of groundwater-elevation and aquifer-system-deformation data at wells and extensometers within the monitoring network.

- Installation of new benchmark monuments in the Pomona Area and conducting initial elevation and EDM surveys at these benchmarks. Figure 4-1 shows the locations of the new benchmark monuments. The elevation survey will reference the benchmark elevations to the Ayala Park datum. The EDM survey will measure the horizontal distance between the benchmark monuments that cross the San Jose Fault. These surveys will function as a baseline for comparison to future surveys.
- Continued implementation of the Long-Term Pumping Test that began in November 2012. The test is expected to continue through 2013, and into 2014. Figure 4-2 shows piezometric levels at PA-7 recorded through 2012, and the anticipated piezometric levels for the remainder of the Long-Term Pumping Test. An injection test is planned at CH-16 which could correspond with the recovery phase. The injection could accelerate the recovery of groundwater levels and facilitate the evaluation of injection as a tool for subsidence management. Watermaster is assisting the City of Chino Hills in its injection test at CH-16 with subsidence monitoring, administration of a grant from the DWR, and reporting on the results and conclusions of the injection test.
- Conducting elevation and EDM surveys at benchmarks in the Managed Area in fall 2013 and conjunction with maximum drawdown and maximum recovery of groundwater levels during the Long-Term Pumping Test.
- Conducting elevation survey at benchmarks in the Southeast Area in the fall of 2013.
- Collection and post-processing of InSAR data from the TerraSAR-X satellite operated by the European Space Agency. Five InSAR data scenes will be collected for 2013 and used to create interferograms that document the vertical motion of the land subsidence across the western portion of Chino Basin.

4.3 Recommendations for Changes to the MZ-1 Plan

Currently, there are no recommendations for changes to the MZ-1 Plan.

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**Table 4-1
Work Breakdown Structure
Land Subsidence Monitoring Program -- Fiscal Year 2013/14**

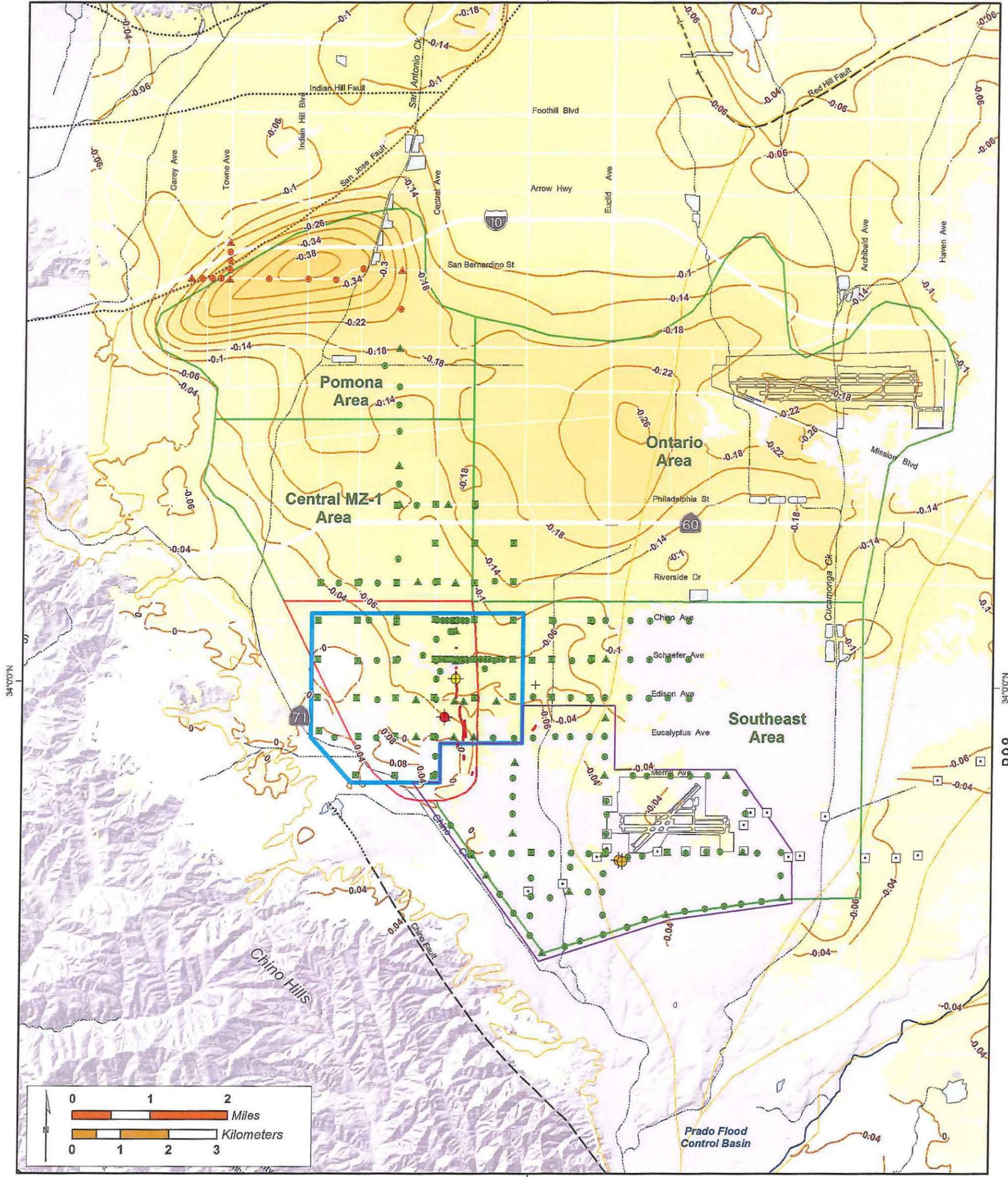
| Task/Subtask/Description | Notes | Labor Cost | | | | | | Total Labor | | Other Direct Costs | | | | | Total ODC | Totals | | | | |
|---|-------|--------------|-------------|-----------|-------|------------|----------|----------------------------|-------------|--------------------|--------|------------------|----------|-------|-----------|--------|---------------------------|-------------------------------|---------------------------|------------------|
| | | Principal II | Principal I | Senior II | Staff | Field Tech | Clerical | Task Repetition Multiplier | Person Days | Cost | Travel | Equip and Expend | Subs | Repro | | Misc. | Recommended Tasks 2013-14 | Estimated Future Annual Costs | Potential or Future Tasks | |
| Task 1 -- Setup/Maintenance of Monitoring Network | | | | | | | | | | | | | | | | | \$56,214 | \$56,214 | \$89,534 | |
| 1.1 Equipment maintenance | (1) | | | | | | | | | | | | | | | | | | | |
| Routine maintenance of Ayala Park/CCWF extensometer facilities | | | | 0.125 | 0.125 | 0.75 | | 12 | 12 | \$9,330 | \$384 | \$228 | | | | | \$612 | \$9,942 | \$9,942 | |
| Maintenance at horizontal extensometer site | | | | 0.25 | | 1 | | 2 | 2.5 | \$1,960 | \$64 | \$200 | \$15,040 | | | | \$15,304 | \$17,264 | \$17,264 | |
| Replacement/repair of equipment at extensometer facilities | (2) | 2 | | 2 | | 2 | | 1 | 6 | \$7,380 | \$32 | \$10,000 | \$10,000 | | | | \$20,032 | \$27,412 | \$27,412 | |
| 1.2 Annual lease fees for CCWF extensometer site | | | | | | | | 1 | 0 | \$0 | | | | | \$1,596 | | \$1,596 | \$1,596 | \$1,596 | |
| 1.3 Reset the PA vault at Ayala Park to prevent surface water runoff intrusion | (3) | 0.5 | | 10 | | 5 | | 1 | 15.5 | \$17,310 | \$32 | | \$15,000 | | | | \$15,032 | | \$32,342 | |
| 1.4 Abandon the PB facility | (3) | | | | | | | | | | | | | | | | | | | |
| Write specification, subcontract, etc. | | 0.5 | 2 | 8 | 1 | | | 1 | 11.5 | \$15,748 | | | | | \$200 | | \$200 | | \$15,948 | |
| Coordinate with the City of Chino on schedule and landscaping | | | | 1 | 2 | | | 1 | 3 | \$3,320 | | | | | \$50 | | \$50 | | \$3,370 | |
| Remove in situ equipment from the wells | | | | 0.25 | 0.5 | 1 | | 1 | 1.75 | \$1,480 | \$32 | \$32 | | | | | \$64 | | \$1,544 | |
| Perform well abandonment | | | 1 | 1 | | 5 | | 1 | 7 | \$6,234 | \$32 | \$64 | \$30,000 | | | | \$30,096 | | \$36,330 | |
| Task 2 -- Aquifer-System Monitoring and Testing | | | | | | | | | | | | | | | | | | \$76,381 | \$9,880 | \$33,540 |
| Groundwater-level and extensometer data collection and organization | (1) | | | | | | | | | | | | | | | | | | | |
| 2.1 organization | | | | | | | | | | | | | | | | | | | | |
| Download and check data from the Ayala Park facility | | 0.125 | | 0.125 | | 0.5 | | 4 | 3 | \$2,820 | \$128 | | | | | | \$128 | \$2,948 | \$1,520 | |
| Download and check data from the horizontal extensometer site | | 0.125 | | 0.125 | | 0.25 | | 4 | 2 | \$2,170 | \$128 | | | | \$600 | | \$728 | \$2,898 | \$1,520 | |
| Download and check data from the CCWF facility | | 0.125 | | 0.125 | | 0.25 | | 4 | 2 | \$2,170 | \$128 | | | | | | \$128 | \$2,298 | \$1,520 | |
| Process and upload data to database | | | | 0.25 | 1 | | | 4 | 5 | \$5,320 | | | | | | | \$0 | \$5,320 | \$5,320 | |
| 2.2 Conduct Long-Term Pumping Test in the Managed Area | (1) | | | | | | | | | | | | | | | | | | | |
| Coordinate testing with pumpers | | | | 1 | | | | 1 | 1 | \$1,320 | | | | | | | \$0 | \$1,320 | | |
| Collect field data; process and upload to database | | | | 2 | 4 | 1 | | 1 | 7 | \$7,290 | | | | | | | \$0 | \$7,290 | | |
| Prepare, analyze, and distribute stress-strain diagrams to LSC | | 0.25 | | 0.25 | | | | 6 | 3 | \$4,560 | | | | | \$200 | | \$200 | \$4,760 | | |
| 2.3 Conduct Injection Test in Managed Area | (1) | | | | | | | | | | | | | | | | | | | |
| Well rehabilitation and retrofit and injection pilot testing | (4,5) | | | | | | | | 0 | \$0 | | | \$41,655 | | | | \$41,655 | \$41,655 | | |
| Quarterly reports and project administration - LGA Grant | (4) | 0.125 | | 0.25 | 0.125 | | | 4 | 2 | \$2,680 | | | | | \$200 | | \$200 | \$2,880 | | |
| Prepare two technical memoranda following each ASR cycle | (4) | 1 | | 0.125 | 0.5 | | | 2 | 3.25 | \$4,770 | | | | | \$242 | | \$242 | \$5,012 | | |
| Prepare final report for LGA Grant and final technical report for ASR Pilot Test | (4) | 3 | | 16 | 5 | | 2 | 1 | 26 | \$33,040 | | | | | \$500 | | \$500 | | | \$33,540 |
| Task 3 -- Ground-Level Surveys | | | | | | | | | | | | | | | | | | \$121,880 | \$63,840 | \$15,000 |
| 3.1 Replace destroyed benchmarks | (2) | | | | | | | 1 | 0 | \$0 | | | \$5,400 | | | | \$5,400 | \$5,400 | \$5,400 | |
| 3.2 Conduct Fall 2013 ground-level and EDM survey in Managed Area | (1) | | | 0.5 | | | | 1 | 0.5 | \$660 | | | \$27,900 | | | | \$27,900 | \$28,560 | \$28,560 | |
| 3.3 Conduct Fall 2013 ground-level survey in Central MZ-1 Area | (3) | | | | | | | 1 | 0 | \$0 | | | \$15,000 | | | | \$15,000 | | | \$15,000 |
| 3.4 Conduct Fall 2013 ground-level survey in Southeast Area (CCWF) | (3) | | | | | | | 1 | 0 | \$0 | | | \$27,700 | | | | \$27,700 | \$27,700 | \$27,700 | |
| 3.5 Install benchmarks in the Pomona Area and perform initial ground-level/EDM Survey | (3) | 0.5 | | 1 | | | | 1 | 1.5 | \$2,180 | | | \$27,300 | | | | \$27,300 | \$29,480 | | |
| 3.6 Conduct Spring 2014 ground-level and EDM survey in Managed Area | (1) | | | 0.5 | | | | 1 | 0.5 | \$660 | | | \$27,900 | | | | \$27,900 | \$28,560 | | |
| 3.7 Process and upload data to database | (1) | 0.5 | | 1 | | | | 1 | 1.5 | \$2,180 | | | | | | | \$0 | \$2,180 | \$2,180 | |
| Task 4 -- BW InSAR | | | | | | | | | | | | | | | | | | \$92,830 | \$92,830 | \$0 |
| 4.1 InSAR data collection | (1) | | | 1 | | | | 1 | 1 | \$1,320 | | | \$90,000 | | | | \$90,000 | \$91,320 | \$91,320 | |
| 4.2 Process and upload data to database/GIS | (1) | 0.25 | | 0.25 | 0.75 | | | 1 | 1.25 | \$1,510 | | | | | | | \$0 | \$1,510 | \$1,510 | |
| Task 5 -- Data Analysis and Reporting | | | | | | | | | | | | | | | | | | \$68,770 | \$68,770 | \$21,280 |
| 5.1 Data analysis in Managed Area | (1) | | | | | | | | | | | | | | | | | | | |
| Production/piezometric/extensometer | | 1 | | 2 | 3 | | | 1 | 6 | \$7,360 | | | \$20,230 | | | | \$20,230 | \$27,590 | \$27,590 | |
| EDM and ground-level survey data | | 1 | | 4 | 1 | | | 1 | 6 | \$8,000 | | | | | | | \$0 | \$8,000 | \$8,000 | |
| InSAR data | | | | 0.5 | 0.5 | | | 1 | 1 | \$1,160 | | | | | | | \$0 | \$1,160 | \$1,160 | |
| Tectonic data | | | | | 0.5 | | | 1 | 0.5 | \$500 | | | | | | | \$0 | \$500 | \$500 | |
| Recycled water reuse data | | | | 0.5 | | | | 1 | 0.5 | \$660 | | | | | | | \$0 | \$660 | \$660 | |
| 5.2 Prepare MZ-1 Annual Report | (1) | | | | | | | | | | | | | | | | | | | |
| Prepare draft technical memorandum | | 1 | | 10 | 6 | | 3 | 1 | 20 | \$23,560 | | | | | \$200 | | \$200 | \$23,760 | \$23,760 | |
| Prepare final technical memorandum | | 1 | | 2 | 2 | | 0.5 | 1 | 5.5 | \$6,800 | | | | | \$300 | | \$300 | \$7,100 | \$7,100 | |
| 5.3 Update MZ-1 Plan (if necessary) | (1) | 5 | | 5 | 5 | | 1 | 1 | 16 | \$21,080 | | | | | \$200 | | \$200 | | | \$21,280 |
| Task 6 -- Meetings and Administration | | | | | | | | | | | | | | | | | | \$27,675 | \$27,675 | \$0 |
| 6.1 Land Subsidence Committee meetings | (1) | 1 | | 1 | | | | 3 | 6 | \$9,120 | \$410 | | | | \$100 | | \$510 | \$9,630 | \$9,630 | |
| 6.2 Ad hoc meetings | (1) | 1 | | 1 | | | | 1 | 2 | \$3,040 | \$46 | | | | \$100 | | \$146 | \$3,186 | \$3,186 | |
| 6.3 Project Administration | (1) | 1.5 | | 6 | | | | 1 | 7.5 | \$10,500 | | | | | | | \$0 | \$10,500 | \$10,500 | |
| 6.4 Scope and Budget for FY2014/15 | (1) | 1 | | 2 | | | | 1 | 3 | \$4,360 | | | | | | | \$0 | \$4,360 | \$4,360 | |
| Totals | | | | | | | | | | | | | | | | | | \$443,750 | \$319,209 | \$159,354 |

Notes:

- (1) Required by MZ-1 Plan and/or Peace Agreement
- (2) Contingency budget. Spent only if necessary.
- (3) Discretionary task. Performed if recommended by the Land Subsidence Committee
- (4) \$19,518 is expected to be carried over for labor and ODC for BW-GLMP: Aquifer System Monitoring and Testing for all Recommended Tasks. Total costs are \$27,400.
- (5) \$129,936 is expected to be carried over for Outside Pros for BW-GLMP: Aquifer System Monitoring and Testing - Outside Pro. Total costs are \$171,591.

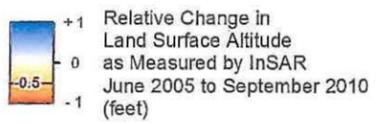


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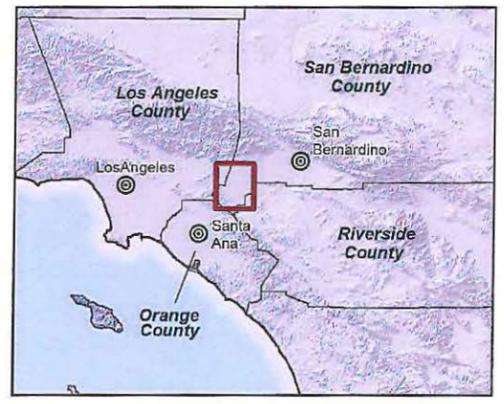
- Survey Benchmarks**
- ▲ Class A Monuments
 - Class B Monuments
 - ◻ City Monuments
 - Existing Monuments
 - ★ Proposed Monuments

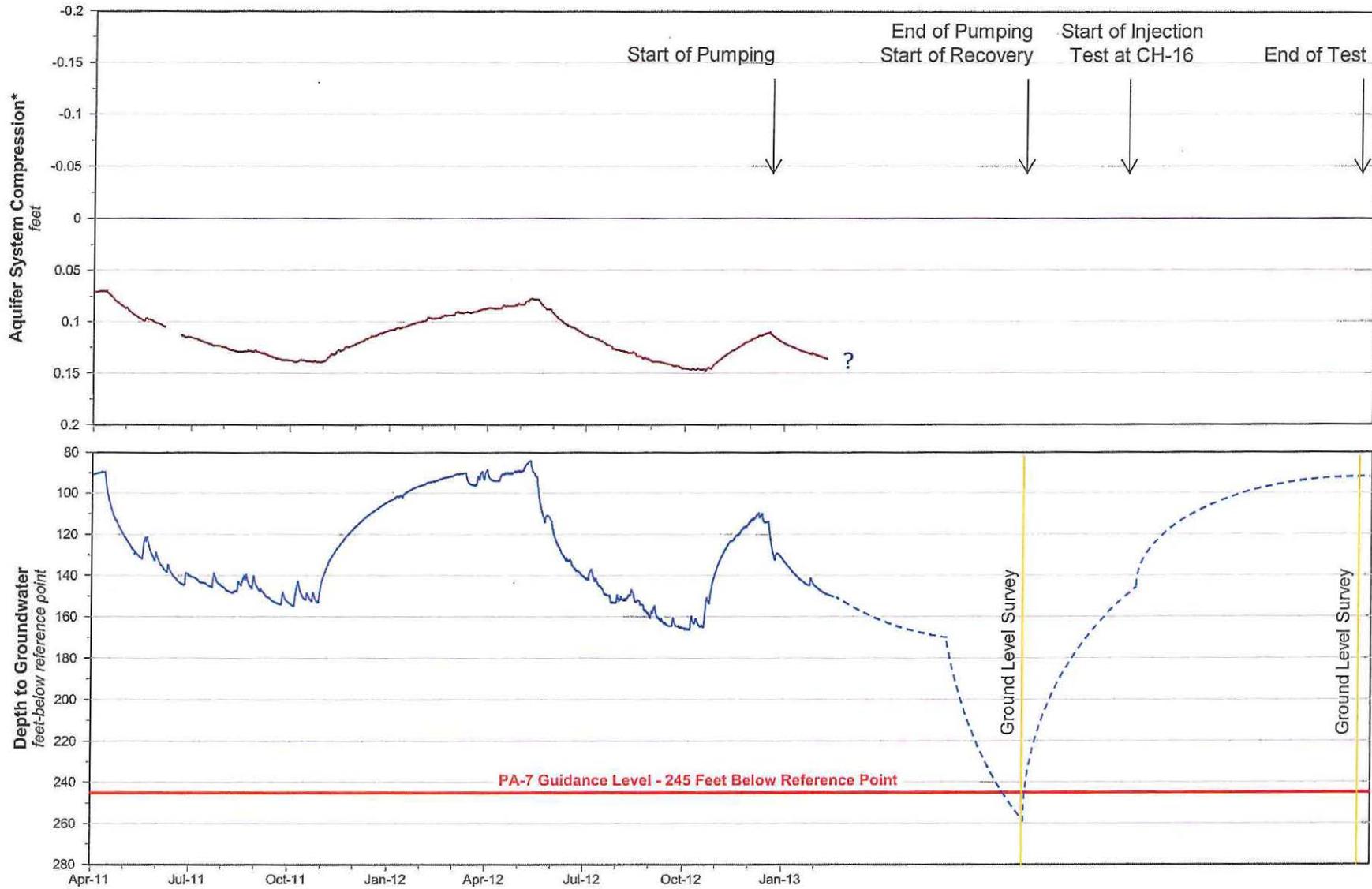
- Survey Areas**
- ◻ Southeast Area Surveys
 - ◻ Managed Area Surveys



- Wells and Extensometers**
- ◻ Desalter Well
 - Ayala Park Extensometer
 - Chino Creek Extensometer
 - Daniels Horizontal Extensometer

- ◻ Managed Area
- ◻ Areas of Subsidence Concern
- Ground Fissures
- Faults**
- Location Certain
- - - Location Approximate
- · - · - Approximate Location of Groundwater Barrier
- · · · · Location Concealed
- · - · ? Location Uncertain
- 1 2 3 Chino Basin Management Zones





Aquifer System Compression (Aquifer System Depth Interval)

— Ayala Park Deep Extensometer (30-1,400 feet-bgs)

Groundwater Levels at Wells (Perforated Depth Interval)

— PA-7 (438-448 feet-bgs)

- - - Predicted Record for PA-7 During Test

*Positive compression values represent compression of soils, negative compression values represent expansion of soils.

Prepared by:



Author: TCR
Date: 20131120
Filename: Figure_4-2.grf



Land Subsidence Committee
2012 Annual Report

Long-Term Pumping Test
Managed Area

Figure 4-2

Section 5 – Glossary

The following glossary of terms and definitions are utilized within this report and generally in the discussions at meetings of the Land Subsidence Committee (USGS, 1999).

Aquifer – A saturated, permeable, geologic unit that can transmit significant quantities of groundwater under ordinary hydraulic gradients and is permeable enough to yield economic quantities of water to wells.

Aquifer System – A heterogeneous body of interbedded permeable and poorly permeable geologic units that function as a water-yielding hydraulic unit at a regional scale. The aquifer system may comprise one or more aquifers within which aquitards are interspersed. Confining units may separate the aquifers and impede the vertical exchange of groundwater between aquifers within the aquifer system.

Aquitard – A saturated, but poorly permeable, geologic unit that impedes groundwater movement and does not yield water freely to wells, but which may transmit appreciable water to and from adjacent aquifers and, where sufficiently thick, may constitute an important groundwater storage unit. Areally extensive aquitards may function regionally as confining units within aquifer systems.

Artesian – An adjective referring to confined aquifers. Sometimes the term artesian is used to denote a portion of a confined aquifer where the altitudes of the potentiometric surface are above land surface (flowing wells and artesian wells are synonymous in this usage). But more generally the term indicates that the altitudes of the potentiometric surface are above the altitude of the base of the confining unit (artesian wells and flowing wells are not synonymous in this case).

Compaction – Compaction in the geologic sense refers to the inelastic compression of the aquifer system. Compaction of the aquifer system reflects the rearrangement of the mineral grain pore structure and largely nonrecoverable reduction of the porosity under stresses greater than the preconsolidation stress. Compaction, as used here, is synonymous with the term “virgin consolidation” used by soils engineers. The term refers to both the process and the measured change in thickness. As a practical matter, a very small amount (1 to 5 percent) of the compaction is recoverable as a slight elastic rebound of the compacted material if stresses are reduced.

Compression – A reversible compression of sediments under increasing effective stress; it is recovered by an equal expansion when aquifer-system heads recover to their initial higher values.

Consolidation – In soil mechanics, consolidation is the adjustment of a saturated soil in response to increased load, involving the squeezing of water from the pores and a decrease in void ratio or porosity of the soil. The term “compaction” is sometimes used in preference to consolidation.



Confined Aquifer System – A system capped by a regional aquitard that strongly inhibits the vertical propagation of head changes to or from an overlying aquifer. The heads in a confined aquifer system may be intermittently or consistently different than in the overlying aquifer.

Deformation, Elastic – A fully reversible deformation of a material. In this report, the term “elastic” typically refers the deformation of the aquifer-system sediments or the land surface.

Deformation, Inelastic – A non-reversible deformation of a material. In this report, the term “inelastic” typically refers the permanent deformation of the aquifer-system sediments or the land surface.

Differential Land Subsidence – Markedly different magnitudes of subsidence over a short horizontal distance, which can be the cause ground fissuring.

Drawdown – Decline in aquifer-system head typically due to pumping by a well. Elastic deformation,

Expansion – In this report, expansion refers to expansion of sediments. A reversible expansion of sediments under decreasing effective stress.

Extensometer – A monitoring well housing a free-standing pipe or cable that can measure vertical deformation of the aquifer-system sediments between the bottom of the pipe and the land surface datum.

Ground Fissures – Elongated vertical cracks in the ground surface that can extend several tens of feet in depth.

Head – A measure of the potential for fluid flow. The height of the free surface of a body of water above a given subsurface point.

Hydraulic Conductivity – A measure of the medium’s capacity to transmit a particular fluid. The volume of water at the existing kinematic viscosity that will move in a porous medium in unit time under a unit hydraulic gradient through a unit area. In contrast to permeability, it is a function of the properties of the liquid as well as the porous medium.

Hydraulic Gradient – Change in head over a distance along a flow line within an aquifer system.

InSAR (Synthetic Aperture Radar Interferometry) – A remote-sensing method (radar data collected from satellites) that measures ground-surface displacement over time.

Linear Potentiometer – A highly sensitive electronic device that can generate continuous measurements of displacement between two objects. Used to measure movement of the land-surface datum with respect to the top of the extensometer measuring point.

Nested Piezometer – A single borehole containing more than one piezometer.

Overburden – The weight of overlying sediments including their contained water.

Piezometer – A monitoring well that measures groundwater levels at a point, or in a very limited depth interval, within an aquifer-system.

Piezometric (Potentiometric) Surface – An imaginary surface representing the total head of groundwater within a confined aquifer system, and is defined by the level to which the water will rise in wells or piezometers that are screened within the confined aquifer system.

Pore pressure – Water pressure within the pore space of a saturated sediment.

Rebound – Elastic rising of the land surface.

Stress, Effective – The maximum antecedent effective stress to which a deposit has been subjected and which it can withstand without undergoing additional permanent deformation. Stress changes in the range less than the preconsolidation stress produce elastic deformations of small magnitude. In fine-grained materials, stress increases beyond the preconsolidation stress produce much larger deformations that are principally inelastic (nonrecoverable). Synonymous with “virgin stress.”

Stress, Preconsolidation – The maximum antecedent effective stress to which a deposit has been subjected and which it can withstand without undergoing additional permanent deformation. Stress changes in the range less than the preconsolidation stress produce elastic deformations of small magnitude. In fine-grained materials, stress increases beyond the preconsolidation stress produce much larger deformations that are principally inelastic (nonrecoverable). Synonymous with “virgin stress.”

Stress – Stress (pressure) that is borne by and transmitted through the grain-to-grain contacts of a deposit, and thus affects its porosity and other physical properties. In one-dimensional compression, effective stress is the average grain-to-grain load per unit area in a plane normal to the applied stress. At any given depth, the effective stress is the weight (per unit area) of sediments and moisture above the water table, plus the submerged weight (per unit area) of sediments between the water table and the specified depth, plus or minus the seepage stress (hydrodynamic drag) produced by downward or upward components, respectively, of water movement through the saturated sediments above the specified depth. Effective stress may also be defined as the difference between the geostatic stress and fluid pressure at a given depth in a saturated deposit, and represents that portion of the applied stress which becomes effective as intergranular stress.

Subsidence – Sinking or settlement of the land surface, due to any of several processes.

Transducer, Pressure – An electronic device that can measure groundwater levels by converting water pressure to a recordable electrical signal. Typically, the transducer is connected to a data logger, which records the measurements.

Water Table – The surface of a body of unconfined groundwater at which the pressure is equal to atmospheric pressure, and is defined by the level to which the water will rise in wells or piezometers that are screened within the unconfined aquifer system.

Section 6 – References

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- Geomatrix Consultants, Inc. (1994). *Final Report Ground Fissuring Study, California Department of Corrections, California Institution for Men, Chino, California*. Project No. 2360. San Francisco, CA.
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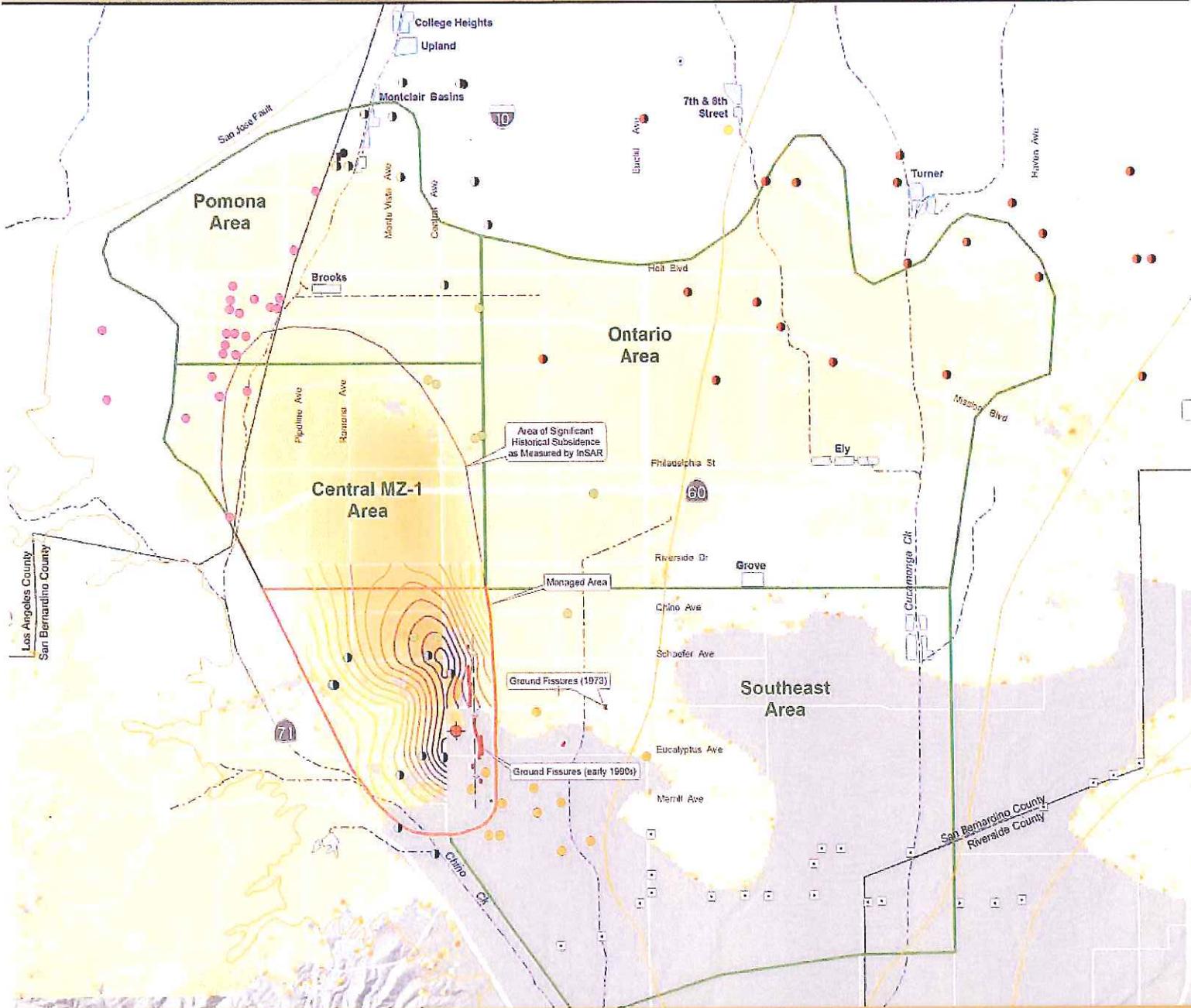


Appendix A

Results of Drilling and Construction of the Chino Creek Extensometer

Appendix B

Monitoring Data through December 2012



CHINO BASIN WATERMASTER

- I. CONSENT CALENDAR (App & Ag Pool)**
 - D. ANNUAL FINDING OF SUBSTANTIAL COMPLIANCE WITH THE RECHARGE MASTER PLAN**

- I. BUSINESS ITEM ROUTINE (Non-Ag Pool)**
 - D. ANNUAL FINDING OF SUBSTANTIAL COMPLIANCE WITH THE RECHARGE MASTER PLAN**



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: December 12, 2013
TO: Pool Committee Members
SUBJECT: Annual Finding of Substantial Compliance with the Recharge Master Plan

SUMMARY

Issue: The Finding is required on an annual basis according to Section 8.3 of the Peace II Agreement

Recommendation: Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the finding in the Wildermuth Report that Watermaster is in substantial compliance with the Recharge Master Plan.

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

Future Consideration

Appropriative Pool: December 12, 2013 Recommendation to the Advisory Committee
Non-Agricultural Pool: December 12, 2013 Recommendation to the Advisory Committee
Agricultural Pool: December 12, 2013 Recommendation to the Advisory Committee
Advisory Committee: December 19, 2013 Recommendation to the Watermaster Board
Watermaster Board: December 19, 2013 Adopt the Finding of Compliance [Discretionary Function]

ACTIONS:

Date – Appropriative Pool –
Date – Non-Agricultural Pool –
Date – Agricultural Pool –
Date – Advisory Committee –
Date – Watermaster Board –

BACKGROUND

During the period of 2008-2010, Watermaster, in collaboration with the Inland Empire Utilities Agency (IEUA) and Chino Basin Water Conservation District (CBWCD), completed the 2010 Recharge Master Plan Update (RMPU). The RMPU was submitted to the Court in June 2010, and the Court subsequently approved the 2010 RMPU in October 2010. Watermaster has completed the amendment of the 2010 RMPU, pursuant to the Court's order, which the Board adopted in September 2013. The 2013 RMPU Amendment includes a Funding and Implementation Plan for the further recharge projects recommended for construction.

Pursuant to Section 8.3 of the Peace II Agreement, Watermaster is obligated to make an annual finding that it is in substantial compliance with the Recharge Master Plan, as it is revised. This requirement exists to ameliorate any long-term risk attributable to reliance upon un-replenished groundwater production by the Desalters, and is a condition on the annual availability of any portion of the 400,000 acre-feet set aside as controlled overdraft. Wildermuth Environmental, Inc. (WEI) has prepared the attached opinion regarding the adequacy of replenishment capacity, which includes the information that Watermaster needs to make this finding for Fiscal Year 2013-2014.

DISCUSSION

WEI's analysis finds that current projections indicate that Watermaster has sufficient recharge capacity to meet the future replenishment obligations identified in the 2010 RMPU. Current analysis indicates that if re-operation were terminated at any time through 2030, Watermaster would be able to immediately increase its replenishment activity and maintain the hydrologic balance in the Basin as required by the Judgment.

ATTACHMENTS

1. Wildermuth Report



December 3, 2013

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

Subject: Annual Finding of Adequate Replenishment Capacity – Fiscal 2013-14

Dear Mr. Kavounas,

At your direction and pursuant to the Peace II Agreement, Wildermuth Environmental, Inc. (WEI) has prepared this opinion regarding the adequacy of replenishment capacity in the Chino Basin.

In part, Section 7.3 of the Peace II Agreement reads:

“Re-Operation and Watermaster’s apportionment of controlled overdraft will not be suspended in the event that Hydraulic Control is achieved in any year *before* the full 400,000 acre-feet has been produced so long as: [...] and (ii) Watermaster is in substantial compliance with a Court approved Recharge Master Plan as set forth in Paragraph 8.1 below.”

Review of Section 8.1 of the Peace II Agreement clearly indicates that this compliance relates to the implementation of plans to ensure that Watermaster has enough supplemental water recharge capacity to meet its replenishment obligation after the re-operation water is completely exhausted. Section 8.3 of the Peace II Agreement states:

“To ameliorate any long-term risks attributable to reliance upon un-replenished groundwater production by the Desalters, the annual availability of any portion of the 400,000 acre-ft set aside as controlled overdraft as a component of the Physical Solution, is expressly subject to Watermaster making an annual finding about whether it is in substantial compliance with the revised Watermaster Recharge Master Plan pursuant to Paragraphs 7.3 and 8.1 above.”

Pursuant to the Peace II Agreement, Watermaster is obligated, after the completion of the 2010 Recharge Master Plan Update (RMPU), to make an annual finding that there is enough supplemental water recharge capacity to meet its replenishment obligations. This letter report includes the information required by Watermaster to make this finding for fiscal 2013-14.

During the period of 2008-2010, Watermaster, in collaboration with the Inland Empire Utilities Agency (IEUA) and Chino Basin Water Conservation District (CBWCD), completed the 2010 RMPU, which was submitted to the Court in June 2010. The 2010 RMPU was developed in a transparent and intense stakeholder process.¹ The Court subsequently approved the 2010 RMPU in October 2010. Section 7.4 of the 2010 RMPU Final Report concludes:

“No new recharge facilities will be required to meet Watermaster’s replenishment obligations through the planning period, provided that the Riverside Corona Feeder is completed within the next ten years.”²

The qualification of this finding as to the Riverside Corona Feeder was an acknowledgment that a new source of supply may be required for the Jurupa Community Services District (JCSD) such that the JCSD can reduce its net groundwater pumping to a sustainable level.³ Groundwater modeling, completed in 2007 and 2009 to evaluate the groundwater basin’s response to the implementation of the Peace II project description, suggested future declines in groundwater levels in the JCSD well field. Groundwater modeling studies in 2012 and 2013, based on revised post-2010 RMPU groundwater production projections, also predicted that the JCSD may have future production sustainability challenges. The 2010 RMPU identified a project to potentially mitigate this excessive drawdown whereby future replenishment deliveries would be provided to the JCSD for direct use, allowing the JCSD to reduce its groundwater production. Watermaster and the IEUA recently completed the 2013 Amendment to the 2010 Recharge Master Plan Update (2013 Amendment) pursuant to the October 2010 Court Order. Watermaster and the IEUA identified several feasible recharge projects that, if implemented, will improve the production sustainability of JCSD wells.

The groundwater production and replenishment projections used to evaluate the adequacy of existing supplemental water recharge capacity in the 2010 RMPU were developed in 2008 and 2009 and are significantly greater than the projections developed by Watermaster following the completion of the 2010 Urban Water Management Plans. The groundwater production and replenishment projections were revised by Watermaster pursuant to a recommendation in the 2010 RMPU and the October 2010 Court Order approving the 2010 RMPU. These updated replenishment projections clearly show that the future replenishment obligation will be substantially less than that anticipated by the 2010 RMPU. The reasons for the decline in future replenishment obligations are state-mandated conservation requirements and the changing economics of groundwater production. As to the latter, some producers have determined that it is more economical to use more imported water directly than to overproduce and incur replenishment costs and additional production-based Watermaster assessments. The table below compares the projected replenishment obligations from the 2013 Amendment to the 2010 RMPU.⁴

Comparison of Projected Replenishment Obligations (acre-ft)

¹ See rmp.wildermuthenvironmental.com.

² See page 7-4 of the 2010 Recharge Master Plan Update.

³ To be clear, this is not a replenishment capacity issue. This is a balance of recharge and discharge issue. The JCSD has constructed several wells in a relatively small geographic area. The combination of the close proximity of these wells and regional changes in groundwater levels may cause excessive groundwater level declines in some of the JCSD’s wells. The Riverside Corona Feeder is one of several potential projects that could provide water to the JCSD to enable them to reduce their groundwater production.

⁴ See Table 2-4, 2013 Amendment to the 2010 RMPU.

| Year | Replenishment Projection from the 2010 RMPU | Replenishment Projection from the 2013 RMPU Amendment |
|------|---|---|
| 2015 | 9,700 | 0 |
| 2020 | 13,900 | 0 |
| 2025 | 30,900 | 4,700 |
| 2030 | 44,500 | 18,400 |
| 2035 | 55,500 | 42,600 |

The supplemental water recharge capacity in the Chino Basin as estimated in the 2010 RMPU and as updated in 2013 are listed below.

Supplemental Water Recharge Capacity
 (acre-ft/yr)

| Recharge Facility | 2010 RMPU | Revised 2013 Estimate ⁵ |
|-------------------|--------------------|------------------------------------|
| Spreading Basins | 83,100 | 60,600 |
| ASR Wells | 5,600 | 5,600 |
| In-Lieu | 25,000 to 40,000 | 25,000 to 40,000 |
| Total | 113,700 to 128,700 | 91,200 to 106,200 |

The revised 2013 supplemental water recharge capacity estimate is less than reported last year due to changes in the estimated recharge rates at spreading basins.⁶ Table 1 (attached) lists the spreading basins available to Watermaster and their respective supplemental water recharge capacities.

The Metropolitan Water District of Southern California (Metropolitan) provides imported water to the Chino Basin area through the IEUA. In its 2010 Integrated Regional Plan (IRP) Update, Metropolitan indicated that it will have enough water to meet all of the supplemental water requirements within its service area through 2035, provided that it implements the programs described in the 2010 IRP Update. The Watermaster parties can also import non-State Water Project water into the Chino Basin area, if Metropolitan fails to provide enough imported water for replenishment.

Based on our knowledge of the conditions in fiscal year 2013-14 and future water management projections, Watermaster’s ability to recharge the Basin with supplemental water to mitigate future overproduction is sufficient to meet expected future replenishment obligations. If re-operation were discontinued at any time through 2030, Watermaster would be able to immediately increase its replenishment activity and maintain the hydrologic balance in the Basin required by the Judgment. The supplemental water recharge capacity available to the Watermaster is about five times the projected replenishment obligation in 2030 and twice the projected replenishment obligation in 2035.

Moreover, in November 2011, Watermaster committed to engage in a process to develop a preemptive replenishment program that would involve the acquisition and recharge of supplemental water in advance of incurring replenishment obligations and storing that water until future replenishment obligations occur. Preemptive replenishment is a complementary management tool that further enhances Watermaster’s ability to meet its future replenishment requirements.

⁵ Spreading basin capacity available during non-storm periods per Table1 (attached) with average recharge rate (column 14)

⁶ Based on a personal conversation with Jason Pivovarov of IEUA and on the IEUA Fiscal Year 2013/14 Operating and Capital Program Budget Volume 2: Ten-Year Capital Improvement Plan.

Please contact me if you have any questions or concerns regarding this opinion.

Very truly yours,

Wildermuth Environmental, Inc.

A handwritten signature in black ink, appearing to read "Mark J. Wildermuth". The signature is fluid and cursive, with a prominent initial "M" and a long, sweeping underline.

Mark J. Wildermuth, PE
President

**Table 1
Supplemental Water Recharge Capacity Estimates**

| (1) Spreading Basin | (2)-(13) | | | | | | | | | | | | (14) | (15)-(18) | | | | (19) | (20)-(24) | | | | |
|-----------------------------------|--|------|------|-----------|------|------|-----------|------|------|-----------|------|------|------------------------------------|--------------------------------------|----------------------------------|--------------------|-----------------------|------------------|--|---------------|--------------|---------------|-------|
| | Operational Availability for Supplemental Water Recharge | | | | | | | | | | | | Average Recharge Rate ¹ | Supplemental Water Recharge Capacity | Imported Water Turn Out Capacity | | | | Theoretical Maximum Supplemental Water Recharge Capacity | | | | |
| | Quarter 3 | | | Quarter 4 | | | Quarter 1 | | | Quarter 2 | | | | | Turn Out Name | Max Discharge Rate | Useful Discharge Rate | Turnout Limited? | Annual | Q3 | Q4 | Q1 | Q2 |
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | (cfs) | (acre-ft/yr) | | | | | | | | | |
| Brooks Street Basin | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | 3 | 1,484 | | | | No | 1,484 | 391 | 477 | 169 | 448 |
| College Heights Basins | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | 15 | 7,421 | | | | No | 7,421 | 1,957 | 2,383 | 843 | 2,238 |
| Montclair Basin 1 | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | | | OC59 | 300 | 300 | No | 9,400 | 2,479 | 3,018 | 1,067 | 2,835 |
| Montclair Basin 2 | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | 19 | 9,400 | | | | No | 9,400 | 2,479 | 3,018 | 1,067 | 2,835 |
| Montclair Basin 3 | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | | | | | | No | 9,400 | 2,479 | 3,018 | 1,067 | 2,835 |
| Montclair Basin 4 | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | | | | | | No | 9,400 | 2,479 | 3,018 | 1,067 | 2,835 |
| Seventh and Eighth Street Basins | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | 7 | 3,463 | CB20 | 30 | 30 | No | 3,463 | 913 | 1,112 | 393 | 1,044 |
| Upland Basin | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | 6 | 2,968 | OC59 | 80 | 80 | No | 2,968 | 783 | 953 | 337 | 895 |
| Subtotal Management Zone 1 | | | | | | | | | | | | | | 24,736 | | | | 24,736 | 6,524 | 7,943 | 2,809 | 7,460 | |
| Ely Basins | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | 3 | 1,484 | CB20 | 30 | 30 | No | 1,484 | 391 | 477 | 169 | 448 |
| Etiwanda Debris Basin | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | 4 | 1,979 | CB14 | 30 | 30 | No | 1,979 | 522 | 635 | 225 | 597 |
| Hickory Basin | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | 2 | 989 | CB18 | 30 | 30 | No | 1,187 | 313 | 381 | 135 | 358 |
| Lower Day Basin | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | 6 | 2,968 | CB15 | 30 | 20 | No | 2,968 | 783 | 953 | 337 | 895 |
| San Sevaine No. 1 | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | | | | | | No | 2,968 | 783 | 953 | 337 | 895 |
| San Sevaine No. 2 | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | | | | | | No | 2,968 | 783 | 953 | 337 | 895 |
| San Sevaine No. 3 | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | 26 | 12,863 | CB13 | 30 | 23 | Yes | 11,379 | 3,001 | 3,654 | 1,292 | 3,432 |
| San Sevaine Nos. 4 and 5 | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | | | | | | No | 11,379 | 3,001 | 3,654 | 1,292 | 3,432 |
| Turner Basins Nos. 1 and 2 | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | | | | | | No | 11,379 | 3,001 | 3,654 | 1,292 | 3,432 |
| Turner Basins Nos. 3 and 4 | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | 7 | 3,463 | CB11 | 40 | 9 | No | 3,463 | 913 | 1,112 | 393 | 1,044 |
| Victoria Basin | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | 4 | 1,979 | CB14 | 30 | 30 | No | 1,979 | 522 | 635 | 225 | 597 |
| Subtotal Management Zone 2 | | | | | | | | | | | | | | 25,726 | | | | 24,439 | 6,446 | 7,848 | 2,775 | 7,371 | |
| Banana Basin | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | 2 | 989 | | | | No | 989 | 261 | 318 | 112 | 298 |
| Decléz Basin | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | 3 | 1,484 | CB18 | 30 | 30 | No | 1,484 | 391 | 477 | 169 | 448 |
| IEUA RP3 Ponds | 0.71 | 0.71 | 0.74 | 0.80 | 0.90 | 0.93 | 0.00 | 0.00 | 0.93 | 0.87 | 0.83 | 0.77 | 18 | 8,905 | | | | No | 8,905 | 2,349 | 2,860 | 1,011 | 2,686 |
| Subtotal Management Zone 3 | | | | | | | | | | | | | | 11,379 | | | | 11,379 | 3,001 | 3,654 | 1,292 | 3,432 | |
| Total | | | | | | | | | | | | | | 61,841 | | | | 60,555 | 15,970 | 19,445 | 6,876 | 18,262 | |

¹ Based on a Personal personal conversation with Jason Pivovarov of IEUA and on the IEUA Fiscal Year 2013/14 Operating and Capital Program Budget Volume 2: Ten-Year Capital Improvement Plan.

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS (App Pool Only)

A. MINOR APPROPRIATORS ELECTION FOR WATERMASTER BOARD APPOINTMENT



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: December 12, 2013
TO: Pool Committee Members
SUBJECT: Appointment of Minor Appropriator Representative to Watermaster Board for Calendar Years 2014 and 2015

SUMMARY

Issue: According to the approved Watermaster Board rotation schedule, the Minor Appropriators need to appoint a representative to the Watermaster Board for 2014 and 2015. The appointee may be elected among the Minor Appropriators by election.

Recommendation: Appoint a representative to the Watermaster Board.

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

Future Consideration
Appropriative Pool: December 12, 2013 Minors to make appointment

ACTIONS:
Date – Appropriative Pool –

BACKGROUND

According to the attached Board rotation schedule approved by the Appropriative Pool on September 26, 2000, a Minor Appropriative Pool representative will occupy an Appropriative Pool seat on the Watermaster Board in 2014 and 2015, beginning with the January 2014 meeting.

DISCUSSION

In the past, Minor Appropriators have held an election during an Appropriative Pool meeting to appoint their Board representative. An election can be decided by majority rule by the Minor Appropriators, unless one of the Minor Appropriators requests a volume vote. Minor Appropriators and their present volume vote percentages are listed in the second attachment to this letter.

To be counted as part of any vote, proxies must be delivered in writing to Watermaster prior to the vote. The Recording Secretary will report on any proxies that may have been delivered to Watermaster.

ATTACHMENTS

1. Board rotation schedule
2. Minor Appropriators Volume Vote

ROTATION SCHEDULE FOR REPRESENTATIVES TO THE WATERMASTER

Existing and Proposed Representation of the Parties to the Judgment

| Interim 34-month | APPROPRIATORS | | | NON AG | AGRICULTURAL POOL | | MUNICIPALS | | |
|---------------------|---------------|---------------|--------------|-----------|-------------------|-------|-------------------------|-------|-------|
| | | {24} | | {13 Ind.} | {3 Groups} | | {3 Overlying Districts} | | |
| Mar-98 | Ontario | MVWD | CCWD | Industry | Dairy | Crops | IEUA | TVMWD | WMWD |
| 1999 | Ontario | MVWD | CCWD | Industry | Dairy | Crops | IEUA | TVMWD | WMWD |
| 2000 | Ontario | MVWD | CCWD | Industry | Dairy | Crops | IEUA | TVMWD | WMWD |
| Term Cycles | (2yr) | (2yr) | (2yr) | (3yr) | (3yr) | (3yr) | (3yr) | (3yr) | (3yr) |
| Reappoint | <i>Big</i> | <i>Medium</i> | <i>Small</i> | | | | | | |
| Jan - 01 | FWC | MVWD | CCWD | Industry | Dairy | Crops | IEUA | TVMWD | WMWD |
| Jan - 02 | FWC | Chino | Ontario | Industry | Dairy | State | IEUA | TVMWD | WMWD |
| Jan - 03 | Pomona | Chino | Minor Rep | Industry | Crop | State | IEUA | TVMWD | WMWD |
| Jan - 04 | Pomona | FUWC | Chino Hills | Industry | Crop | State | IEUA | TVMWD | WMWD |
| Jan - 05 | Jurupa | FUWC | Chino Hills | Industry | Crop | Dairy | IEUA | TVMWD | WMWD |
| Jan - 06 | Jurupa | MVWD | Minor Rep | Industry | State | Dairy | IEUA | TVMWD | WMWD |
| Jan - 07 | Ontario | MVWD | Minor Rep | Industry | State | Dairy | IEUA | TVMWD | WMWD |
| Jan - 08 | Ontario | CCWD | Upland | Industry | State | Crop | IEUA | TVMWD | WMWD |
| Jan - 09 | FWC | CCWD | Upland | Industry | Dairy | Crop | IEUA | TVMWD | WMWD |
| Jan - 10 | FWC | Chino | Minor Rep | Industry | Dairy | Crop | IEUA | TVMWD | WMWD |
| Jan - 11 | Pomona | Chino | Minor Rep | Industry | Dairy | State | IEUA | TVMWD | WMWD |
| Jan - 12 | Pomona | FUWC | Chino Hills | Industry | Crop | State | IEUA | TVMWD | WMWD |
| Jan - 13 | Jurupa | FUWC | Chino Hills | Industry | Crop | State | IEUA | TVMWD | WMWD |
| Jan - 14 | Jurupa | MVWD | Minor Rep | Industry | Crop | Dairy | IEUA | TVMWD | WMWD |
| Jan - 15 | Ontario | MVWD | Minor Rep | Industry | State | Dairy | IEUA | TVMWD | WMWD |

The noted rotation sequence perpetuates indefinitely until and unless there is a Court approved change

Approved by the Appropriative Pool
September 26, 2000



Chino Basin Watermaster 2012-2013 Appropriative Pool Volume Vote

Assessment Year 2012-2013 (Production Year 2011-2012)

| | Assessable Production | | Votes | Share of Operating Yield | | TOTAL VOLUME VOTE | |
|-------------------------------------|-----------------------|-----------------|----------------|--------------------------|----------------|-------------------|---------------|
| | Acre-Ft | Percentage | | Acre-Ft | Votes | Non-Minor | Minor |
| Arrowhead Mtn Spring Water Co | 369.040 | 0.465% | 2.326 | 0.000 | 0.000 | | 2.326 |
| Chino Hills, City Of | 3,401.160 | 4.287% | 21.433 | 2,111.422 | 19.253 | 40.686 | |
| Chino, City Of | 0.000 | 0.000% | 0.000 | 4,033.857 | 36.782 | 36.782 | |
| Cucamonga Valley Water District | 14,948.728 | 18.841% | 94.204 | 3,619.454 | 33.004 | 127.207 | |
| Fontana Union Water Company | 0.000 | 0.000% | 0.000 | 6,391.736 | 58.283 | 58.283 | |
| Fontana Water Company | 5,694.480 | 7.177% | 35.885 | 1.000 | 0.009 | 35.895 | |
| Fontana, City Of | 0.000 | 0.000% | 0.000 | 0.000 | 0.000 | | 0.000 |
| Golden State Water Company | 745.735 | 0.940% | 4.699 | 411.476 | 3.752 | | 8.451 |
| Jurupa Community Services District | 15,916.835 | 20.061% | 100.305 | 2,061.118 | 18.794 | 119.099 | |
| Marygold Mutual Water Company | 1,174.962 | 1.481% | 7.404 | 655.317 | 5.975 | | 13.380 |
| Monte Vista Irrigation Company | 0.000 | 0.000% | 0.000 | 676.759 | 6.171 | | 6.171 |
| Monte Vista Water District | 9,911.649 | 12.492% | 62.461 | 4,823.954 | 43.987 | 106.448 | |
| Niagara Bottling, LLC | 1,349.170 | 1.700% | 8.502 | 0.000 | 0.000 | | 8.502 |
| Nicholson Trust | 0.000 | 0.000% | 0.000 | 4.000 | 0.036 | | 0.036 |
| Norco, City Of | 0.000 | 0.000% | 0.000 | 201.545 | 1.838 | | 1.838 |
| Ontario, City Of | 13,698.422 | 17.265% | 86.325 | 11,373.816 | 103.711 | 190.036 | |
| Pomona, City Of | 11,420.171 | 14.394% | 71.968 | 11,215.852 | 102.271 | 174.238 | |
| San Antonio Water Company | 172.368 | 0.217% | 1.086 | 1,506.888 | 13.740 | | 14.827 |
| San Bernardino County Shtg Prk | 14.788 | 0.019% | 0.093 | 0.000 | 0.000 | | 0.093 |
| Santa Ana River Water Company | 0.000 | 0.000% | 0.000 | 1,301.374 | 11.866 | | 11.866 |
| Upland, City Of | 525.025 | 0.662% | 3.309 | 2,852.401 | 26.009 | 29.318 | |
| West End Consolidated Water Company | 0.000 | 0.000% | 0.000 | 947.714 | 8.642 | | 8.642 |
| West Valley Water District | 0.000 | 0.000% | 0.000 | 644.317 | 5.875 | | 5.875 |
| TOTAL | 79,342.533 | 100.000% | 500.000 | 54,834.000 | 500.000 | 917.992 | 82.008 |

1,000.000

CHINO BASIN WATERMASTER

IV. INFORMATION

1. Cash Disbursements for November 2013

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
November 2013

For Informational Purposes Only

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|----------------------|------------|------------|-------------------------------------|--|--------------------------------------|-------------|
| Bill Pmt -Check | 11/04/2013 | 17330 | ARROWHEAD MOUNTAIN SPRING WATER | 0023230253 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/28/2013 | 0023230253 | | Office Water Bottle - October 2013 | 6031.7 · Other Office Supplies | 57.85 |
| TOTAL | | | | | | 57.85 |
| Bill Pmt -Check | 11/04/2013 | 17331 | CHARLES Z. FEDAK & COMPANY | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 09/30/2013 | | | Progress Billing - September 2013 | 6062 · Audit Services | 800.00 |
| TOTAL | | | | | | 800.00 |
| Bill Pmt -Check | 11/04/2013 | 17332 | DGO AUTO DETAILING | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/28/2013 | | | Wash 3 trucks on 10/09/13 & 4 trucks on 10/23/13 | 6177 · Vehicle Repairs & Maintenance | 175.00 |
| TOTAL | | | | | | 175.00 |
| Bill Pmt -Check | 11/04/2013 | 17333 | DIRECTV | 019447404 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/28/2013 | 019447404 | | Basic service for 10/19/13 -11/18/13 | 6031.7 · Other Office Supplies | 94.99 |
| TOTAL | | | | | | 94.99 |
| P119 Bill Pmt -Check | 11/04/2013 | 17334 | EUROFINS EATON ANALYTICAL | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/29/2013 | L0139064 | | L0139064 | 7108.4 · Hydraulic Control-Lab Svcs | 2,038.00 |
| Bill | 10/29/2013 | L0139238 | | L0139238 | 7108.4 · Hydraulic Control-Lab Svcs | 3,340.00 |
| Bill | 10/29/2013 | L0139558 | | L0139558 | 7108.4 · Hydraulic Control-Lab Svcs | 4,018.00 |
| Bill | 10/29/2013 | L0140594 | | L0140594 | 7108.4 · Hydraulic Control-Lab Svcs | 6,675.00 |
| TOTAL | | | | | | 16,071.00 |
| Bill Pmt -Check | 11/04/2013 | 17335 | FOREVER YOUNG PORTRAITURE | 10172013 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/23/2013 | 10172013 | | 10172013 | 6147 · Other Admin Expenses | 150.00 |
| TOTAL | | | | | | 150.00 |
| Bill Pmt -Check | 11/04/2013 | 17336 | GRAINGER | 9276639490 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/28/2013 | 9276639490 | | Disposale gloves | 7103.6 · Grdwtr Qual-Supplies | 124.21 |
| TOTAL | | | | | | 124.21 |
| Bill Pmt -Check | 11/04/2013 | 17337 | GUARANTEED JANITORIAL SERVICE, INC. | 10-29905 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/28/2013 | 10-29905 | | October 2013 | 6024 · Building Repair & Maintenance | 865.00 |
| TOTAL | | | | | | 865.00 |
| Bill Pmt -Check | 11/04/2013 | 17338 | INLAND EMPIRE UTILITIES AGENCY | 90012950 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/29/2013 | 90012950 | | GW Recharge O&M FY 2013-2013 2nd Quarter | 7206 · Comp Recharge-O&M | 198,694.00 |
| TOTAL | | | | | | 198,694.00 |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
November 2013

For Informational Purposes Only

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|--------------------|-----------------------------------|---------------------------------------|---------------------------------------|-------------|
| Bill Pmt -Check | 11/04/2013 | 17339 | OFFICE TEAM | 38979553 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/28/2013 | 38979553 | | Week ending 10/18/13 | 6017.1 · Executive Assistant Services | 1,824.80 |
| | | | | Overtime week ending 10/18/13 | 6017.1 · Executive Assistant Services | 68.43 |
| TOTAL | | | | | | 1,893.23 |
| Bill Pmt -Check | 11/04/2013 | 17340 | SANDERS, LAURA | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/28/2013 | | | Transcript for 10/02/13 Court Hearing | 6046 · Legal Publications/Services | 252.00 |
| TOTAL | | | | | | 252.00 |
| Bill Pmt -Check | 11/04/2013 | 17341 | STATE COMPENSATION INSURANCE FUND | 1970970-13 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/28/2013 | 1970970-13 | | Premium on account 10/26/13-11/26/13 | 60183 · Worker's Comp Insurance | 786.42 |
| TOTAL | | | | | | 786.42 |
| Bill Pmt -Check | 11/04/2013 | 17342 | THE LAWTON GROUP | 6017 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/28/2013 | 20578 | | Week ending 10/20/13 | 6017 · Temporary Services | 824.00 |
| Bill | 10/28/2013 | 20555 | | Week ending 10/13/13 | 6017 · Temporary Services | 659.20 |
| TOTAL | | | | | | 1,483.20 |
| Bill Pmt -Check | 11/04/2013 | 17343 | VERIZON | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/28/2013 | 012561121521714508 | | 012561121521714508 | 7405 · PE4-Other Expense | 184.55 |
| Bill | 10/30/2013 | 012519116950792103 | | 012519116950792103 | 6022 · Telephone | 590.76 |
| TOTAL | | | | | | 775.31 |
| Bill Pmt -Check | 11/04/2013 | 17344 | VISION SERVICE PLAN | 00-101789-0001 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/28/2013 | 0010178980001 | | Vision premium - November 2013 | 60182.2 · Dental & Vision Ins | 87.57 |
| TOTAL | | | | | | 87.57 |
| Bill Pmt -Check | 11/04/2013 | 17345 | YUKON DISPOSAL SERVICE | 08-K2 213849 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/29/2013 | 08-k2 213849 | | Service for November 2013 | 6024 · Building Repair & Maintenance | 106.53 |
| TOTAL | | | | | | 106.53 |
| Bill Pmt -Check | 11/05/2013 | 17346 | APPLIED COMPUTER TECHNOLOGIES | 2423 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/31/2013 | 2423 | | Database consulting - October 2013 | 6052.2 · Applied Computer Technol | 2,760.00 |
| TOTAL | | | | | | 2,760.00 |
| Bill Pmt -Check | 11/05/2013 | 17347 | CHEF DAVE'S CAFE & CATERING | 1300 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/24/2013 | 1300 | | Lunch for 10/24/2013 Board Meeting | 6312 · Meeting Expenses | 431.90 |
| TOTAL | | | | | | 431.90 |
| Bill Pmt -Check | 11/05/2013 | 17348 | EUROFINS EATON ANALYTICAL | | 1012 · Bank of America Gen'l Ckg | |

P120

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
November 2013

For Informational Purposes Only

| Type | Date | Num | Name | Memo | Account | Paid Amount | |
|-----------------|-----------------|----------------------|-------------------------------------|--|--|----------------------------------|--------|
| Bill | 10/24/2013 | L0141636 | | L0141636 | 7108.4 · Hydraulic Control-Lab Svcs | 2,102.00 | |
| Bill | 10/24/2013 | L0141957 | | L0141957 | 7108.4 · Hydraulic Control-Lab Svcs | 420.00 | |
| TOTAL | | | | | | 2,522.00 | |
| Bill Pmt -Check | 11/05/2013 | 17349 | GREAT AMERICA LEASING CORP. | 14417221 | 1012 · Bank of America Gen'l Ckg | | |
| Bill | 10/31/2013 | 14417221 | | Damage - back panel | 6043.2 · Ricoh Usage & Maintenance Fee | 162.00 | |
| | | | | Usage for Black Copies | 6043.2 · Ricoh Usage & Maintenance Fee | 85.71 | |
| | | | | Usage for Color Copies | 6043.2 · Ricoh Usage & Maintenance Fee | 55.50 | |
| TOTAL | | | | | | 303.21 | |
| Bill Pmt -Check | 11/05/2013 | 17350 | HOGAN LOVELLS | 2772965 | 1012 · Bank of America Gen'l Ckg | | |
| Bill | 10/31/2013 | 2772965 | | Non-Ag Legal Services - October 2013 | 8567 · Non-Ag Legal Service | 2,218.74 | |
| TOTAL | | | | | | 2,218.74 | |
| Bill Pmt -Check | 11/05/2013 | 17351 | HSBC BUSINESS SOLUTIONS | 7003-7309-1000-2744 | 1012 · Bank of America Gen'l Ckg | | |
| Bill | 10/31/2013 | 7003730910002744 | | Miscellaneous office supplies | 6031.7 · Other Office Supplies | 1,132.79 | |
| TOTAL | | | | | | 1,132.79 | |
| P121 | Bill Pmt -Check | 11/05/2013 | 17352 | NORDBAK'S PROMOTIONAL PRODUCTS | 1031136 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 10/31/2013 | 103113 | | Uniforms for B. McLaughlin | 6154 · Uniforms | 334.26 |
| TOTAL | | | | | | 334.26 | |
| Bill Pmt -Check | 11/05/2013 | 17353 | PARK PLACE COMPUTER SOLUTIONS, INC. | 479 | 1012 · Bank of America Gen'l Ckg | | |
| Bill | 10/31/2013 | 479 | | IT Consulting Services - October 2013 | 6052.1 · Park Place Comp Solutn | 2,850.00 | |
| TOTAL | | | | | | 2,850.00 | |
| Bill Pmt -Check | 11/05/2013 | 17354 | STAPLES BUSINESS ADVANTAGE | 8027477770 | 1012 · Bank of America Gen'l Ckg | | |
| Bill | 10/24/2013 | 8027477770 | | Miscellaneous office supplies | 6031.7 · Other Office Supplies | 77.51 | |
| TOTAL | | | | | | 77.51 | |
| Bill Pmt -Check | 11/06/2013 | 17355 | BOWCOCK, ROBERT | | 1012 · Bank of America Gen'l Ckg | | |
| Bill | 10/07/2013 | 10/07 Bd Officer Mtg | | 10/07/13 Board Officers and Chairs Meeting | 6311 · Board Member Compensation | 125.00 | |
| Bill | 10/24/2013 | 10/24 Board Mtg | | 10/24/13 Board Meeting | 6311 · Board Member Compensation | 125.00 | |
| TOTAL | | | | | | 250.00 | |
| Bill Pmt -Check | 11/06/2013 | 17356 | CRAIG, ROBERT | | 1012 · Bank of America Gen'l Ckg | | |
| Bill | 10/03/2013 | 10/03 Bus Plan Mtg | | 10/03/13 Business Plan Meeting | 6311 · Board Member Compensation | 125.00 | |
| Bill | 10/10/2013 | 10/10 App Pool Mtg | | 10/10/13 Appropriative Pool Meeting | 6311 · Board Member Compensation | 125.00 | |
| Bill | 10/17/2013 | 10/17 Advis Comm Mtg | | 10/17/13 Advisory Committee Meeting | 6311 · Board Member Compensation | 125.00 | |
| Bill | 10/24/2013 | 10/24 Board Mtg | | 10/24/13 Board Meeting | 6311 · Board Member Compensation | 125.00 | |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
November 2013

For Informational Purposes Only

| TOTAL | <u>Type</u> | <u>Date</u> | <u>Num</u> | <u>Name</u> | <u>Memo</u> | <u>Account</u> | <u>Paid Amount</u> |
|--------------|------------------------|-------------------|----------------------|-------------------------|---|---|--------------------|
| | | | | | | | 500.00 |
| | Bill Pmt -Check | 11/06/2013 | 17357 | CURATALO, JAMES | | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 10/21/2013 | 10/21 Mtg w/GM | | 10/21/13 Meeting with GM | 6311 · Board Member Compensation | 125.00 |
| | Bill | 10/24/2013 | 10/24 Board Mtg | | 10/24/13 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | | <u>250.00</u> |
| | Bill Pmt -Check | 11/06/2013 | 17358 | DE BOOM, NATHAN | Ag Pool Member Meeting Compensation | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 10/10/2013 | 10/10 Ag Pool Mtg | | 10/10/13 Ag Pool Meeting | 8411 · Compensation | 25.00 |
| | | | | | Ag Pool Member Meeting Compensation | 8470 · Ag Meeting Attend -Special | 100.00 |
| TOTAL | | | | | | | <u>125.00</u> |
| | Bill Pmt -Check | 11/06/2013 | 17359 | DURRINGTON, GLEN | 10/10/13 Ag Pool Meeting | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 10/10/2013 | 10/10 Ag Pool Mtg | | 10/10/13 Ag Pool Meeting | 8411 · Compensation | 25.00 |
| | | | | | 10/10/13 Ag Pool Meeting | 8470 · Ag Meeting Attend -Special | 100.00 |
| TOTAL | | | | | | | <u>125.00</u> |
| | Bill Pmt -Check | 11/06/2013 | 17360 | ELIE, STEVEN | 10/24/13 Board Meeting | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 10/24/2013 | 10/24 Board Mtg | | 10/24/13 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | | <u>125.00</u> |
| | Bill Pmt -Check | 11/06/2013 | 17361 | FEENSTRA, BOB | | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 10/07/2013 | 10/07 Pool Chairs Mt | | 10/07/13 Board and Pool Chairs Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| | Bill | 10/10/2013 | 10/10 Ag Pool Mtg | | 10/10/13 Ag Pool Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| | Bill | 10/14/2013 | 10/14 Chair/Counsel | | 10/14/13 Ag Pool Chair and Counsel Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| | Bill | 10/24/2013 | 10/24 Board Meeting | | 10/24/13 Board Meeting - alternate for Paul Hofer | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | | <u>500.00</u> |
| | Bill Pmt -Check | 11/06/2013 | 17362 | HALL, PETE* | | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 10/10/2013 | 10/10 Ag Pool Mtg | | 10/10/13 Ag Pool Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| | Bill | 10/17/2013 | 10/17 Advisory Comm | | 10/17/13 Advisory Committee Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| | Bill | 10/17/2013 | 10/17 LSC Mtg | | 10/17/13 Land Subsidence Committee Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| | Bill | 10/24/2013 | 10/24 Board Mtg | | 10/24/13 Board Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| TOTAL | | | | | | | <u>500.00</u> |
| | Bill Pmt -Check | 11/06/2013 | 17363 | HUITSING, JOHN | Ag Pool Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 10/10/2013 | 10/10 Ag Pool Mtg | | 10/10/13 Ag Pool Meeting | 8411 · Compensation | 25.00 |
| | | | | | Ag Pool Member Compensation | 8470 · Ag Meeting Attend -Special | 100.00 |
| TOTAL | | | | | | | <u>125.00</u> |

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Cash Disbursements For The Month of
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| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-------------------------|------------|-----------------------|------------------|---|---------------------------------------|-----------------|
| Bill Pmt -Check | 11/06/2013 | 17364 | KAVOUNAS, PETER | Travel Expense Reimbursement | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/08/2013 | | | Travel expense reimbursement | 6171.1 · GM - Reimbursement | 25.00 |
| TOTAL | | | | | | <u>25.00</u> |
| Bill Pmt -Check | 11/06/2013 | 17365 | KOOPMAN, GENE | Ag Pool Member Meeting Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/10/2013 | 10/10 Ag Pool Mtg | | 10/10/13 Ag Pool Meeting | 8411 · Compensation | 25.00 |
| | | | | Ag Pool Member Meeting Compensation | 8470 · Ag Meeting Attend -Special | 100.00 |
| TOTAL | | | | | | <u>125.00</u> |
| Bill Pmt -Check | 11/06/2013 | 17366 | KUHN, BOB | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/07/2013 | 10/17 Bd Officer Mtg | | 10/07/13 Board Officer Meeting | 6311 · Board Member Compensation | 125.00 |
| Bill | 10/17/2013 | 10/17 Advis Comm Mtg | | 10/17/13 Advisory Committee Meeting | 6311 · Board Member Compensation | 125.00 |
| Bill | 10/21/2013 | 10/21 Mtg w/GM | | 10/21/13 Meeting with GM | 6311 · Board Member Compensation | 125.00 |
| Bill | 10/24/2013 | 10/24 Board Mtg | | 10/24/13 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| Bill | 10/30/2013 | 10/30 Ass Pkg Wkshop | | 10/30/13 Assessment Package Workshop | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | <u>625.00</u> |
| P123 Bill Pmt -Check | 11/06/2013 | 17367 | OFFICE TEAM | 39035064 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/31/2013 | 39035064 | | Week ending 10/25/13 | 6017.1 · Executive Assistant Services | 1,779.18 |
| | | | | Overtime week ending 10/25/13 | 6017.1 · Executive Assistant Services | 68.43 |
| TOTAL | | | | | | <u>1,847.61</u> |
| Bill Pmt -Check | 11/06/2013 | 17368 | PAYCHEX | 2013103100 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/31/2013 | 2013103100 | | October 2013 | 6012 · Payroll Services | 372.78 |
| TOTAL | | | | | | <u>372.78</u> |
| Bill Pmt -Check | 11/06/2013 | 17369 | PIERSON, JEFFREY | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/10/2013 | 10/10 Ag Pool Mtg | | 10/10/13 Ag Pool Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 10/17/2013 | 10/17 Advis Comm Mtg | | 10/17/13 Advisory Committee Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 10/24/2013 | 10/24 Board Mtg | | 10/24/13 Board Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| TOTAL | | | | | | <u>375.00</u> |
| Bill Pmt -Check | 11/06/2013 | 17370 | ROGERS, PETER | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/07/2013 | 10/07 Bd Officers Mtg | | 10/07/13 Board Officers Meeting | 6311 · Board Member Compensation | 125.00 |
| Bill | 10/24/2013 | 10/24 Board Mtg | | 10/24/13 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | <u>250.00</u> |
| Bill Pmt -Check | 11/06/2013 | 17371 | TELECOM SERVICES | 5820 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/31/2013 | 5820 | | To repair line # 5 problem with Verizon | 6022 · Telephone | 110.00 |
| TOTAL | | | | | | <u>110.00</u> |

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| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|-------------------|---|--|-----------------------------------|-------------|
| Bill Pmt -Check | 11/06/2013 | 17372 | THE LAWTON GROUP | 6017 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/31/2013 | 20598 | | Week ending 10/27/13 | 6017 · Temporary Services | 659.20 |
| TOTAL | | | | | | 659.20 |
| Bill Pmt -Check | 11/06/2013 | 17373 | VANDEN HEUVEL, GEOFFREY | 6311 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/24/2013 | 10/24 Board Mtg | | 10/24/13 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | 125.00 |
| Bill Pmt -Check | 11/06/2013 | 17374 | VANDEN HEUVEL, ROB | Ag Pool Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/10/2013 | 10/10 Ag Pool Mtg | | 10/10/13 Advisory Committee Meeting | 8411 · Compensation | 25.00 |
| | | | | Ag Pool Member Compensation | 8470 · Ag Meeting Attend -Special | 100.00 |
| TOTAL | | | | | | 125.00 |
| Bill Pmt -Check | 11/07/2013 | 17375 | KAVOUNAS, PETER | VOID: Travel Expense Reimbursement | 1012 · Bank of America Gen'l Ckg | 0.00 |
| General Journal | 11/09/2013 | 11/09/2013 | Payroll and Taxes for 10/27/13-11/09/13 | Payroll and Taxes for 10/27/13-11/09/13 | 1012 · Bank of America Gen'l Ckg | |
| | | | | Direct Deposits for 10/27/13-11/09/13 | 1012 · Bank of America Gen'l Ckg | 19,252.54 |
| | | | | Garnishment for 10/27/13-11/09/13 | 1012 · Bank of America Gen'l Ckg | 125.76 |
| | | | | Payroll Taxes for 10/27/13-11/09/13 | 1012 · Bank of America Gen'l Ckg | 7,119.83 |
| | | | | Payroll Checks for 10/27/13-11/09/13 | 1014 · Bank of America P/R Ckg | 1,028.85 |
| | | | ICMA-RC | 457 Employee deductions for 10/27/13-11/09/13 | 1012 · Bank of America Gen'l Ckg | 3,127.22 |
| | | | ICMA-RC | 401(a) Employee deductions for 10/27/13-11/09/13 | 1012 · Bank of America Gen'l Ckg | 923.03 |
| TOTAL | | | | | | 31,577.23 |
| Bill Pmt -Check | 11/12/2013 | 17376 | ZANGWILL, BRADLEY | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/31/2013 | | | Holiday card pictures | 6147 · Other Admin Expenses | 150.00 |
| TOTAL | | | | | | 150.00 |
| Bill Pmt -Check | 11/14/2013 | 17377 | ACWA JOINT POWERS INSURANCE AUTHORITY | A000232800 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 11/09/2013 | A000232800 | | Prepayment - December | 1409 · Prepaid Life, BAD&D & LTD | 126.76 |
| | | | | November 2013 | 60191 · Life & Disab.Ins Benefits | 105.68 |
| TOTAL | | | | | | 232.44 |
| Bill Pmt -Check | 11/14/2013 | 17378 | CORELOGIC INFORMATION SOLUTIONS | 21012668 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/31/2013 | 81012668 | | 21012668 | 7103.7 · Grdwtr Qual-Computer Svc | 62.50 |
| | | | | 21012668 | 7101.4 · Prod Monitor-Computer | 62.50 |
| TOTAL | | | | | | 125.00 |
| Bill Pmt -Check | 11/14/2013 | 17379 | MATHIS CONSULTING GROUP | 15910 | 1012 · Bank of America Gen'l Ckg | |

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| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------------------|------------|------------|-------------------------------------|---|---------------------------------------|-------------|
| Bill | 11/06/2013 | 15910 | | DISC Profile for Kavounas and Truong | 6013 · Human Resources Services | 240.00 |
| TOTAL | | | | | | 240.00 |
| Bill Pmt -Check | 11/14/2013 | 17380 | PREMIERE GLOBAL SERVICES | 14864726 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/31/2013 | 14864726 | | Ag pool agenda call on 10/01 | 8412 · Meeting Expenses | 14.50 |
| | | | | Non-Ag pool agenda call on 10/01 | 8512 · Meeting Expense | 14.51 |
| | | | | Appropriative pool agenda call on 10/01 | 8312 · Meeting Expenses | 14.51 |
| | | | | Safe Yield Recalculation calls on 10/07 & 10/25 | 6909.1 · OBMP Meetings | 56.34 |
| | | | | Non-Ag pool meeting call on 10/10 | 8512 · Meeting Expense | 18.38 |
| | | | | Call on 10/17 re City of Fontana motion | 6909.1 · OBMP Meetings | 27.35 |
| | | | | Call with Rossi at WMWD on 10/21 | 6909.1 · OBMP Meetings | 23.81 |
| | | | | Monthly fees and conferencing software testing | 6022 · Telephone | 183.45 |
| TOTAL | | | | | | 352.85 |
| Bill Pmt -Check | 11/14/2013 | 17381 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493 | 1012 · Bank of America Gen'l Ckg | |
| General Journal | 10/26/2013 | 10/26/2013 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | CalPERS Retirement for 10/13/13-10/26/13 | 2000 · Accounts Payable | 6,802.37 |
| TOTAL | | | | | | 6,802.37 |
| P125 Bill Pmt -Check | 11/14/2013 | 17382 | THE LAWTON GROUP | 6017 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 11/13/2013 | 20629 | | Week ending 11/03/13 | 6017 · Temporary Services | 824.00 |
| TOTAL | | | | | | 824.00 |
| Bill Pmt -Check | 11/14/2013 | 17383 | UNION 76 | 300-732-989 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 10/31/2013 | 300732989 | | Fuel - October 2013 | 6175 · Vehicle Fuel | 340.22 |
| TOTAL | | | | | | 340.22 |
| Bill Pmt -Check | 11/14/2013 | 17384 | UNITED HEALTHCARE | 0033140691 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 11/09/2013 | 0033140691 | | Dental premium - December 2013 | 60182.2 · Dental & Vision Ins | 588.27 |
| TOTAL | | | | | | 588.27 |
| Bill Pmt -Check | 11/14/2013 | 17385 | WESTERN DENTAL SERVICES, INC. | 11882 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 11/13/2013 | 11882 | | Dental premium - November 2013 | 60182.2 · Dental & Vision Ins | 30.00 |
| TOTAL | | | | | | 30.00 |
| Bill Pmt -Check | 11/14/2013 | 17386 | OFFICE TEAM | 39083426 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 11/13/2013 | 39083426 | | Week ending 11/01/13 | 6017.1 · Executive Assistant Services | 1,824.80 |
| TOTAL | | | | | | 1,824.80 |
| Bill Pmt -Check | 11/21/2013 | 17387 | ACWA | 643 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 11/05/2013 | 643 | | 2014 Agency Dues | 1433 · Prepaid Membership Dues | 14,370.00 |

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|-------|-----------------|-------------|---------------------|-----------------------------------|--|--------------------------------------|--------------------|
| TOTAL | | | | | | | 14,370.00 |
| | Bill Pmt -Check | 11/21/2013 | 17388 | BANK OF AMERICA | XXXX-XXXX-XXXX-9341 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 10/31/2013 | XXXX-XXXX-XXXX-9341 | | Expedited combination for safe in Executive Office | 6031.7 - Other Office Supplies | 32.40 |
| | | | | | Notary for paperwork to obtain combination 4 safe | 6031.7 - Other Office Supplies | 10.00 |
| | | | | | Aacrylic nameplate holders for Boardroom | 6031.7 - Other Office Supplies | 28.07 |
| | | | | | Acrylic double-sided window display for Boardroom | 6031.7 - Other Office Supplies | 86.38 |
| | | | | | Meals for 2013 CalPERS Educational Forum | 6192 - Training & Seminars | 22.00 |
| | | | | | Meals for 2013 CalPERS Educational Forum | 6192 - Training & Seminars | 39.58 |
| | | | | | Meals for 2013 CalPERS Educational Forum | 6192 - Training & Seminars | 11.83 |
| | | | | | Hotel for 2013 CalPERS Educational Forum | 6192 - Training & Seminars | 632.12 |
| | | | | | Replacement chairs for office staff | 6031.7 - Other Office Supplies | 259.19 |
| | | | | | Lunch for Safe Yield Recalculation Meeting | 6908.1 - OBMP Meetings | 56.97 |
| | | | | | Rental car for GRA Bi-Annual Meeting | 6191 - Conferences - General | 112.77 |
| | | | | | Gas for rental car for GRA Bi-Annual Meeting | 6191 - Conferences - General | 13.38 |
| | | | | | Valet for airport for GRA Bi-Annual Meeting | 6191 - Conferences - General | 46.00 |
| | | | | | Hotel for GRA Bi-Annual Meeting | 6191 - Conferences - General | 227.30 |
| | | | | | Hotel for GRA Conference | 6191 - Conferences - General | 239.94 |
| | | | | | Airfare for GRA Bi-Annual Meeting | 6191 - Conferences - General | 199.80 |
| | | | | | Airfare for GRA Bi-Annual Meeting | 6191 - Conferences - General | 25.00 |
| | | | | | PK meeting w/Ag Pool Chair and counsel | 8412 - Meeting Expenses | 79.44 |
| | | | | | PK meeting w/WMWD - John Rossi | 8312 - Meeting Expenses | 27.84 |
| | | | | | Gas for rental car for GRA Conference | 6191 - Conferences - General | 14.08 |
| | | | | | PK meeting w/Bill Mathis | 6013 - Human Resources Services | 32.94 |
| TOTAL | | | | | | | <u>2,197.03</u> |
| | Bill Pmt -Check | 11/21/2013 | 17389 | CALPERS | 1394905143 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 11/18/2013 | 1394905143 | | Medical premium - December 2013 | 60182.1 - Medical Insurance | 5,581.56 |
| TOTAL | | | | | | | <u>5,581.56</u> |
| | Bill Pmt -Check | 11/21/2013 | 17390 | CUCAMONGA VALLEY WATER DISTRICT | Lease due December 1, 2013 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 11/18/2013 | | | Lease due December 1, 2013 | 1422 - Prepaid Rent | 6,160.00 |
| TOTAL | | | | | | | <u>6,160.00</u> |
| | Bill Pmt -Check | 11/21/2013 | 17391 | EGOSCUE LAW GROUP | 10489 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 10/31/2013 | 10489 | | Ag Pool Legal Services - October 2013 | 8467 - Ag Legal & Technical Services | 8,250.00 |
| TOTAL | | | | | | | <u>8,250.00</u> |
| | Bill Pmt -Check | 11/21/2013 | 17392 | GEOSCIENCE SUPPORT SERVICES, INC. | 4555-11-14 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 10/31/2013 | 4555-11-14 | | October 2013 | 7107.61 - Grd Level-Chino Hills ASR | 6,175.00 |

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| | Type | Date | Num | Name | Memo | Account | Paid Amount |
|-------|-----------------|------------|------------|-------------------------------------|---|---|-----------------|
| TOTAL | | | | | | | 6,175.00 |
| | Bill Pmt -Check | 11/21/2013 | 17393 | GRAINGER | | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 11/18/2013 | 9292486728 | | YSI Cal Solution | 7103.6 - Grdwtr Qual-Supplies | 189.45 |
| | Bill | 11/18/2013 | 9294754768 | | Hose bibb | 7103.6 - Grdwtr Qual-Supplies | 58.19 |
| TOTAL | | | | | | | 247.64 |
| | Bill Pmt -Check | 11/21/2013 | 17394 | KAVOUNAS, PETER | Travel Expense Reimbursement | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 11/18/2013 | | | Travel expense reimbursement | 6171.1 - GM - Reimbursement | 46.57 |
| TOTAL | | | | | | | 46.57 |
| | Bill Pmt -Check | 11/21/2013 | 17395 | LEGAL SHIELD | 111802 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 11/18/2013 | 0111802 | | Employee deductions - November 2013 | 60194 - Other Employee Insurance | 51.80 |
| TOTAL | | | | | | | 51.80 |
| | Bill Pmt -Check | 11/21/2013 | 17396 | OFFICE TEAM | 39132334 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 11/08/2013 | 39132334 | | Week ending 11/08/13 | 6017.1 - Executive Assistant Services | 1,824.80 |
| TOTAL | | | | | | | 1,824.80 |
| | Bill Pmt -Check | 11/21/2013 | 17397 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493 | 1012 - Bank of America Gen'l Ckg | |
| | General Journal | 11/09/2013 | 11/09/2013 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | CalPERS Retirement for 10/27/13-11/09/13 | 2000 - Accounts Payable | 6,802.37 |
| TOTAL | | | | | | | 6,802.37 |
| | Bill Pmt -Check | 11/21/2013 | 17398 | R&D PEST SERVICES | 0171746 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 11/18/2013 | 0171746 | | Continuing treatment for ants | 6024 - Building Repair & Maintenance | 85.00 |
| TOTAL | | | | | | | 85.00 |
| | Bill Pmt -Check | 11/21/2013 | 17399 | SAN BERNARDINO COUNTY FLOOD CONTROL | P-198284 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 11/18/2013 | P-198284 | | Annual Inspection Fee for San Sevaine Channel | 6909.3 - Other OBMP Expenses | 1,900.00 |
| TOTAL | | | | | | | 1,900.00 |
| | Bill Pmt -Check | 11/21/2013 | 17400 | STANDARD INSURANCE CO. | Policy # 00-649299-0009 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 11/18/2013 | | | Policy # 00-649299-0009 | 60191 - Life & Disab.Ins Benefits | 482.28 |
| TOTAL | | | | | | | 482.28 |
| | Bill Pmt -Check | 11/21/2013 | 17401 | STAPLES BUSINESS ADVANTAGE | 8027558788 | 1012 - Bank of America Gen'l Ckg | |
| | Bill | 11/02/2013 | 8027558788 | | Back rests, file jackets, 11x17 paper | 6031.7 - Other Office Supplies 6031.1 - Copy Paper | 44.50 122.30 |
| TOTAL | | | | | | | 166.80 |

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|-----------------|------------|------------|---|--------------------------|--|-------------|
| Bill Pmt -Check | 11/21/2013 | 17402 | STATE WATER RESOURCES CONTROL BOARD DIV | | 1012 - Bank of America Gen'l Ckg | |
| Bill | 11/08/2013 | 094-014940 | | Water Rights Fee A028473 | 7205 - Comp Recharge-Other Expense | 944.47 |
| Bill | 11/08/2013 | 094-014939 | | Water Rights Fee A028996 | 7205 - Comp Recharge-Other Expense | 1,580.47 |
| Bill | 11/08/2013 | 094-14458 | | Water Rights Fee A031369 | 7205 - Comp Recharge-Other Expense | 3,779.97 |
| TOTAL | | | | | | 6,304.91 |
| Bill Pmt -Check | 11/21/2013 | 17403 | STAULA, MARY L | Retiree Medical | 1012 - Bank of America Gen'l Ckg | |
| Bill | 11/30/2013 | | | Nov. 2013 | 60182.4 - Retiree Medical | 29.19 |
| TOTAL | | | | | | 29.19 |
| Bill Pmt -Check | 11/21/2013 | 17404 | THE LAWTON GROUP | 6017 | 1012 - Bank of America Gen'l Ckg | |
| Bill | 11/10/2013 | 20652 | | Week ending 11/10/13 | 6017 - Temporary Services | 824.00 |
| TOTAL | | | | | | 824.00 |
| Bill Pmt -Check | 11/21/2013 | 17405 | VERIZON WIRELESS | 9714387968 | 1012 - Bank of America Gen'l Ckg | |
| Bill | 11/18/2013 | 9714387968 | | Monthly service | 6022 - Telephone | 391.38 |
| TOTAL | | | | | | 391.38 |
| P128 | | | | | | |
| Bill Pmt -Check | 11/21/2013 | 17406 | WILDERMUTH ENVIRONMENTAL INC | | 1012 - Bank of America Gen'l Ckg | |
| Bill | 10/31/2013 | 2013318 | | 2013318 | 6906 - OBMP Engineering Services | 116.25 |
| Bill | 10/31/2013 | 2013319 | | 2013319 | 6906.73 - OBMP - Safe Yield | 7,696.78 |
| | | | | 2013319 | 6906.71 - OBMP - Misc. GM Requests | 4,942.65 |
| | | | | 2013319 | 6906.72 - OBMP - Data Requests-Non CBWM | 600.00 |
| Bill | 10/31/2013 | 2013320 | | 2013320 | 6906.72 - OBMP - Data Requests-Non CBWM | 2,578.75 |
| Bill | 10/31/2013 | 2013321 | | 2013321 | 6906 - OBMP Engineering Services | 1,257.50 |
| Bill | 10/31/2013 | 2013322 | | 2013322 | 6906.1 - OBMP - Watermaster Model Update | 270.00 |
| Bill | 10/31/2013 | 2013323 | | 2013323 | 7103.3 - Grdwtr Qual-Engineering | 8,027.50 |
| Bill | 10/31/2013 | 2013324 | | 2013324 | 7104.3 - Grdwtr Level-Engineering | 11,416.77 |
| Bill | 10/31/2013 | 2013325 | | 2013325 | 7107.61 - Grd Level-Chino Hills ASR | 924.00 |
| Bill | 10/31/2013 | 2013326 | | 2013326 | 7107.2 - Grd Level-Engineering | 82.50 |
| Bill | 10/31/2013 | 2013327 | | 2013327 | 7107.2 - Grd Level-Engineering | 1,960.80 |
| Bill | 10/31/2013 | 2013328 | | 2013328 | 7108.3 - Hydraulic Control-Engineering | 1,227.99 |
| Bill | 10/31/2013 | 2013329 | | 2013329 | 7108.3 - Hydraulic Control-Engineering | 3,620.59 |
| Bill | 10/31/2013 | 2013330 | | 2013330 | 7108.7 - Hydraulic Control - Prado Basin | 1,291.25 |
| Bill | 10/31/2013 | 2013331 | | 2013331 | 7202.3 - Comp Recharge-Implementation | 2,460.00 |
| Bill | 10/31/2013 | 2013332 | | 2013332 | 7402 - PE4-Engineering | 7,626.97 |
| Bill | 10/31/2013 | 2013333 | | 2013333 | 7502 - PE6&7-Engineering | 387.50 |
| Bill | 10/31/2013 | 2013334 | | 2013334 | 7108.7 - Hydraulic Control - Prado Basin | 4,895.25 |
| TOTAL | | | | | | 61,383.05 |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
November 2013

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> |
|-----------------|-------------|------------|---|---|----------------------------------|--------------------|
| General Journal | 11/23/2013 | 11/23/2013 | Payroll and Taxes for 11/10/13-11/23/13 | Payroll and Taxes for 11/10/13-11/23/13 | 1012 - Bank of America Gen'l Ckg | |
| | | | | Direct Deposits for 11/10/13-11/23/13 | 1012 - Bank of America Gen'l Ckg | 28,925.72 |
| | | | | Garnishment for 11/10/13-11/23/13 | 1012 - Bank of America Gen'l Ckg | 125.76 |
| | | | | Payroll Taxes for 11/10/13-11/23/13 | 1012 - Bank of America Gen'l Ckg | 8,996.12 |
| | | | | Payroll Checks for 11/10/13-11/23/13 | 1014 - Bank of America P/R Ckg | 1,046.48 |
| | | | ICMA-RC | 457 Employee deduction for 11/10/13-11/23/13 | 1012 - Bank of America Gen'l Ckg | 3,677.22 |
| | | | ICMA-RC | 401(a) Employee deduction for 11/10/13-11/23/13 | 1012 - Bank of America Gen'l Ckg | 1,355.92 |
| TOTAL | | | | | | 44,127.22 |
| | | | | | Total Disbursements: | 452,674.09 |

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