

FOX CANYON GROUNDWATER MANAGEMENT AGENCY

A STATE OF CALIFORNIA WATER AGENCY



BOARD OF DIRECTORS

Lynn E. Maulhardt, Chair, Director, United Water Conservation District

Charlotte Craven, Vice Chair, Councilperson, City of Camarillo

David Borchard, Farmer, Agricultural Representative

Steve Bennett, Supervisor, County of Ventura

Dr. Michael Kelley, Director, Zone Mutual Water Company

EXECUTIVE OFFICER

Jeff Pratt, P.E.

NOTICE OF MEETING

NOTICE IS HEREBY GIVEN that the Fox Canyon Groundwater Management Agency (FCGMA) will hold an **Executive Committee Meeting** from **2:00 p.m. to 4:00 p.m.** on **Friday, November 15, 2013** in the **Public Works Agency Conference Room 346, Third Floor** of the Ventura County Government Center, Hall of Administration Building, at **800 South Victoria Avenue, Ventura, California.**

FCGMA EXECUTIVE COMMITTEE MEETING AGENDA

November 15, 2013

Members: Chair Lynn Maulhardt
Co-Chair Charlotte Craven

- A. Call to Order**
- B. Introductions**
- C. Public Comment** – Audience members may speak about FCGMA-related matters not on today's Agenda.
- D. Minutes** – Approve the minutes from the October 11, 2013 Executive Committee meeting.
- E. Solano Verde Mutual Water Company Application for Transfer of Historic Allocation** – Discuss and provide feedback.
- F. Consider Zone Mutual Water Company's Proposed Changes to the FCGMA Well Permitting Procedure** – Staff will present its review comments of the proposed change, provide recommendations and request feedback.
- G. Adjourn the Executive Committee Meeting** – Adjourn until the next Executive Committee meeting, to be scheduled at a later date.

NOTICES

The FCGMA Board strives to conduct accessible, orderly, and fair meetings where everyone can be heard on the issues. The Board Chair will conduct the meeting and establish appropriate rules and time limitations for each item. The Board can only act on items designated as Action Items. Action items on the agenda are staff proposals and may be modified by the Board as a result of public comment or Board member input. Additional information about Board meeting procedures is included after the last agenda item.

Administrative Record: Material presented as part of testimony will be made part of the Agency's record, and 10 copies should be left with the Board Clerk. This includes any photographs, slides, charts, diagrams, etc.

ADA Accommodations: *Persons who require accommodation for any audio, visual, or other disability in order to review an agenda or to participate in the Board of Directors meeting per the Americans with Disabilities Act (ADA), may request such accommodation in writing addressed to the Clerk of the FCGMA Board, 800 So. Victoria Avenue, Location #1610, Ventura, CA 93009-1610, or via telephone by calling (805) 654-2014. Any such request should be made at least 48 hours prior to the meeting so staff can make the necessary arrangements.*

Availability of Complete Agenda Package: *A copy of the complete agenda package is available for examination at the FCGMA office during regular working hours (8:00 a.m. to 5:00 p.m. Monday through Friday) beginning five days before the Board meeting. Agenda packet contents are also posted on the FCGMA website as soon as possible, and left there for archival retrieval in case reference is needed on previously considered matters. Questions about specific items on the agenda should be directed to the Agency's Executive Officer.*

Continuance of Items: *The Board will endeavor to consider all matters listed on this agenda. However, time may not allow the Board to hear all matters listed. Matters not heard at this meeting may be carried over to the next Board meeting or to a future Board meeting. Participating individuals or parties will be notified of the rescheduling of their item prior to the meeting. Please contact the FCGMA staff to find out about rescheduled items.*

Electronic Information and Updates: *Our web site address is <http://www.fcgma.org>. Information available online includes the Board's meeting schedule, a list of the Board members and staff, general information, and various Agency forms. If you would like to speak to a staff member, please contact the FCGMA Clerk of the Board at (805) 654-2014.*

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MINUTES

Minutes of the Fox Canyon Groundwater Management Agency's (FCGMA) Executive Committee meeting held **Friday, October 11, 2013** in the PWA Conference Room 346 at the Ventura County Government Center, Hall of Administration, 800 South Victoria Avenue, Ventura, California.

- A. Call to Order** – The meeting commenced at 3:00 p.m.
- B. Introductions** – In attendance were: (1) Lynn Maulhardt, FCGMA Executive Committee Chair; (2) Charlotte Craven, FCGMA Executive Committee Co-Chair; (3) Neal Andrews, FCGMA Executive Committee Alternate; (4) Gerhardt Hubner, WPD, Deputy Director; (5) Rick Viergutz, Groundwater Manager; (6) Jessica Rivera, FCGMA Interim Clerk of the Board; (7) Alberto Boada, Agency Counsel; (8) Tully Clifford, WPD, Director; (9) Reddy Pakala, Director, Ventura County Waterworks District; (10) Robert Eranio, Crestview Mutual Water Company (CMWC) and Las Posas Users Group (LPUG); (11) Bryan Bondy, Calleguas Municipal Water District (CMWD); (12) Bob Krimmer, Pleasant Valley County Water District (PVCWD); (13) Dave Souza, PVCWD; (14) William A. Miller, grower; and (15) Daryl Smith, grower.
- C. Public Comments** – Mr. Robert Eranio, CMWC and LPUG, commented on and provided (3) copies to Agency staff of a report reviewing the transfer request from Solano Verde Mutual Water Company to CMWC. He further requested the item be placed on the next meeting's agenda after Agency staff had the opportunity to review the report.

D. Meeting Minutes

The Executive Committee approved the minutes from the September 13, 2013 meeting.

E. Consider Las Posas Users Group's (LPUG) Proposed Ordinance Code Change to Chapter 5

Mr. Gerhardt Hubner, WPD, Deputy Director, introduced this item and provided a brief background to the Committee. Mr. Bryan Bondy, CMWD, added the proposal was not specific to County Waterworks District, but would apply to any Municipal & Industrial (M&I) user. Mr. Rick Viergutz, Groundwater Manager, gave a presentation on this item, reviewing: (1) the Las Posas Users Group's proposed Ordinance Code change; (2) a flowchart of the current well permitting process; (3) a flowchart and staff's comments on LPUG's proposed process; and (4) a flowchart of staff's alternate proposed well permitting process. Mr. Viergutz concluded his presentation by stating Agency staff did not recommend moving forward with the current LPUG proposal, or changing the Ordinance Code to require Board consideration of Historical Allocation (HA) transfers. In addition, he stated if the Committee felt an Ordinance Code change needed to be considered, Agency staff then recommended they receive feedback from LPUG on staff's alternate proposed method before proceeding.

800 South Victoria Avenue, Ventura, CA 93009-1610
(805) 654-2014 FAX: (805) 654-3350
Website: www.fcgma.org

Item D – Page 1 of 2

Discussion ensued concerning possible scenarios involving historical allocation transfers relating to new wells, replacement wells and expansion of use on current wells. In addition, the group discussed whether an Ordinance Code change was needed, or if such changes could be resolved through a Resolution. The group agreed that an Ordinance Code change was not needed, however, a mechanism was needed in order to compel M&I providers and operators to submit joint historical allocation transfer requests.

The discussion then turned to what type of mechanism would be used. Chair Maulhardt commented it was important to note if an operator removed themselves from a provider and the Agency needed a process to track that. In addition, Chair Maulhardt made inquiries concerning: conditional use permits; required staff time; and if a fee structure was needed. Co-Chair Craven agreed with the Chair's comments and stated Agency staff would need to bring forth the information on the questions specified. Alternate Director Andrews agreed a fixed fee structure would be needed.

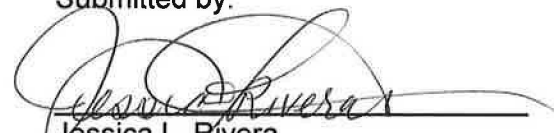
After much discussion, the group concluded a form should be included in the well permitting process, which would require the well owner and M&I provider agree on a historical allocation transfer. The transfer would need to be approved by Agency staff, and if no agreement was reached, the request would then go before the Board for approval. Agency staff noted this process would take care of new and replacement wells; however, a notification process would be needed if an existing well owner decided to remove themselves from their provider. Chair Maulhardt directed Agency staff to discuss this with LPUG and other entities to determine a solution. It was also suggested that Mr. Alberto Boda, Agency Counsel, look into the meaning of "discontinuance of service" as noted in the Ordinance Code.

Mr. Hubner inquired of the timeframe to return this item to the Committee, and the Committee responded to return by mid-November. Mr. Robert Eranio asked if this meant his request to have the Solano Verde item heard at the next meeting was bumped, and the Committee responded both items would be dealt with at the November Executive Committee meeting.

F. Adjourn the Executive Committee Meeting

Chair Maulhardt adjourned the Executive Committee meeting at 4:30 p.m.

Submitted by:



Jessica L. Rivera
FCGMA Interim Clerk of the Board

DRAFT - PROPOSED CHANGES SUBMITTED BY ZONE

FOX CANYON GROUNDWATER MANAGEMENT AGENCY
QUESTIONNAIRE FOR NEW WELL PERMITS IN THE LAS POSAS BASINS
APPLICATION TO TRANSFER HISTORICAL ALLOCATION

1. Is the proposed agricultural well in the Las Posas Basins? Yes or No
If Yes, which basin? East or West
2. Does the property to be irrigated currently receive water from another source? Yes or No
Is that source Ventura County Waterworks District 1? Yes or No
Is that source Ventura County Waterworks District 19? Yes or No
Is there another source? Name that provider: _____
3. Will the new well be the primary source of irrigation water? Yes or No
4. How many acres are currently irrigated? _____
5. How many years has the acreage been in agricultural production? _____
6. Does the new well qualify to receive the Historical Allocation transfer? Yes or No
7. If Yes: upon completion of the new well as the primary irrigation source, the Historical Allocation currently used by the former provider will be moved to the new well. This completed form will serve as a request to the FCGMA to move the Historical Allocation.
Number of acres: _____ times the Historical Allocation per acre: _____
Equals the Total Historical Allocation to be transferred to the new well: _____

It is the responsibility of the new well owner to understand the requirements of well reporting to the Fox Canyon Groundwater Management Agency, and to stay current with the regulations governing the pumping limitations as they pertain to the Las Posas Basins. The new well owner recognizes that the former provider may be called upon to serve water in an emergency and that rate structure for that service may vary from the current system of billing for water delivery.

New Well Owner: _____
Signature: _____ Date: _____

The Former Provider, _____, agrees to transfer to the above New Well Owner _____ acre feet per year of Historical Allocation.

Former Provider: _____
Signature: _____ Date: _____

**FOX CANYON
GROUNDWATER MANAGEMENT AGENCY**
A STATE OF CALIFORNIA WATER AGENCY



**Application for Transfer of
Historical Allocation**

Type of Transfer: Ag to Ag Ag to M & I M & I to Ag M & I to M & I

Chapter 5, Section 5.3.1 of the FCGMA Ordinance Code (Ordinance No. 8.1) provides for adjustments to and transfers of Historical Allocations. These transfers are limited to a maximum of two (2) acre-feet per acre per year **OR** the historical extraction allocation depending on the type of transfer.

Please provide the following information:

Applicant's Name: _____
Address: _____
Phone #: _____

Allocation Recipient (if different from above): _____
Address: _____
Phone #: _____

Owner's Well No.: _____ **State Well No.:** _____

Assessor's Parcel No.(s): _____

Parcel/Usage Information:
1. Previous Acreage & Use of Parcel _____
2. Acreage & Development Planned _____
3. Previous & Planned Water Source _____

Historical Allocation: **Currently** = _____ AF/Yr **Transfer Requested** = _____ AF/YR
(Historical less any previous adjustments)

Provide assessor's map(s) that show location of well(s) and acreage currently & proposed to be supplying groundwater.

Applicant's Name: _____ **Recipient's Name:** _____
Please Print Please Print

Applicant's Signature: _____ **Recipient's Signature:** _____
Date Date

*****FAILURE to submit a complete package may result in denial of this application.*****

DISPOSITION OF FCGMA APPLICATION
(For Office use only)

Approved **Approved as Noted** **Date Effective:** _____
 Denied

Conditions/Reason for Denial: _____

By: _____ **Date** _____

This application is valid when signed by the FCGMA Executive Officer or his/her designated appointee.

_____ **Date** _____

Jeff Pratt, P.E., FCGMA Executive Officer

Solano Verde Mutual Water Company Application for Transfer of Historical Allocation



Kathleen Riedel, P.G., C.E.G.
Groundwater Specialist
Watershed Protection District

Specific Request

- On May 30, 2013, Solano Verde Mutual Water Company submitted an application for transfer of 145.001 AF/yr historical allocation to Crestview Mutual Water Company.
- This transfer request was presented to the Executive Committee on September 13, 2013.

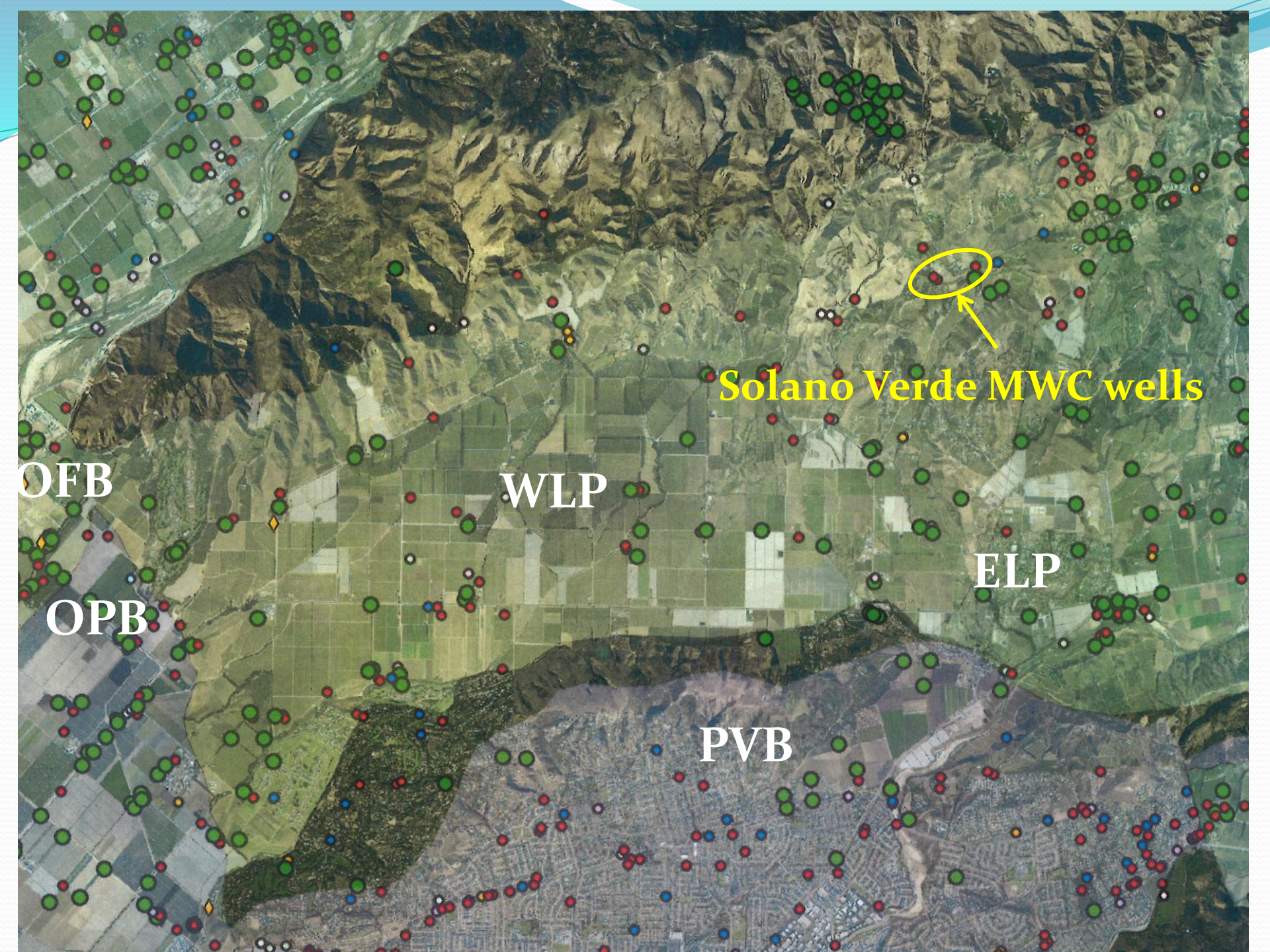
Applicable Ordinance Code Section

Sections 5.3.2., 5.3.4. and 5.3.5. provide for allocation to be transferred between M&I extraction facilities provided there is no net detriment to the aquifer system and it is equitable. In making this determination at a minimum the following is to be considered:

- the location of extraction facilities;
- the aquifer system being used;
- groundwater quality impacts of the transfer; and
- overall assessment of cumulative impacts.

Policy Implications

- Should an Operator be allowed to transfer all of their Historical Allocation, leaving the Operator with no future / or clearly inadequate groundwater allocation to meet potential future demand?
- Should the Allocation go to the water purveyor upon annexation?
- Should the receiving water purveyor receiving historical allocation be required to return that Allocation if a new well owner separates from the water purveyor?



Solano Verde MWC wells

OFB

WLP

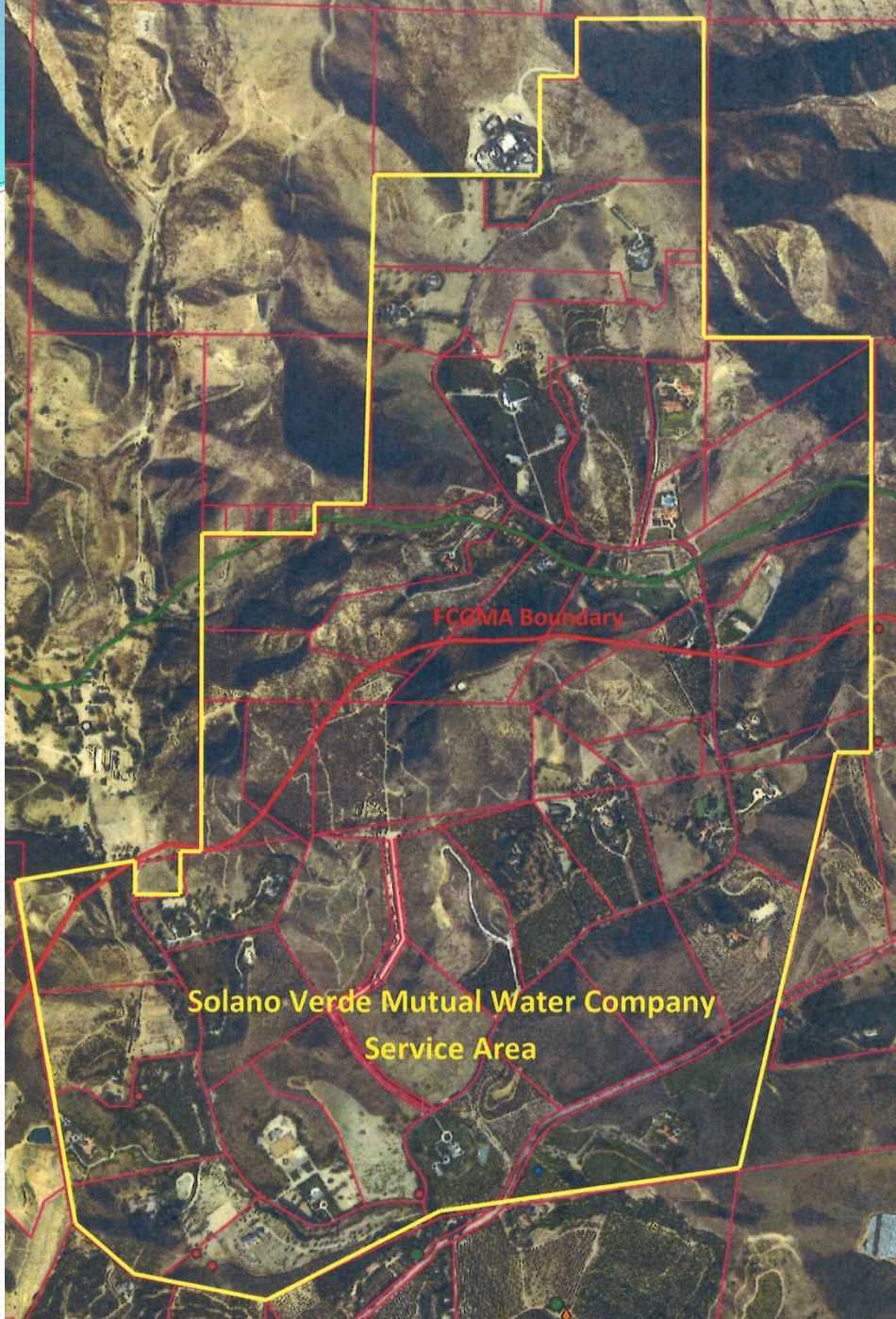
ELP

OPB

PVB

Solano Verde Mutual Water Company

- Service Area: about 922 acres (about 533 acres within FCGMA boundary).
- Provides water for:
 - 15 domestic connections and
 - 38 agricultural connections.
- In 1997 and 1999 delivered water for irrigation of 99.50 acres of mature lemons.

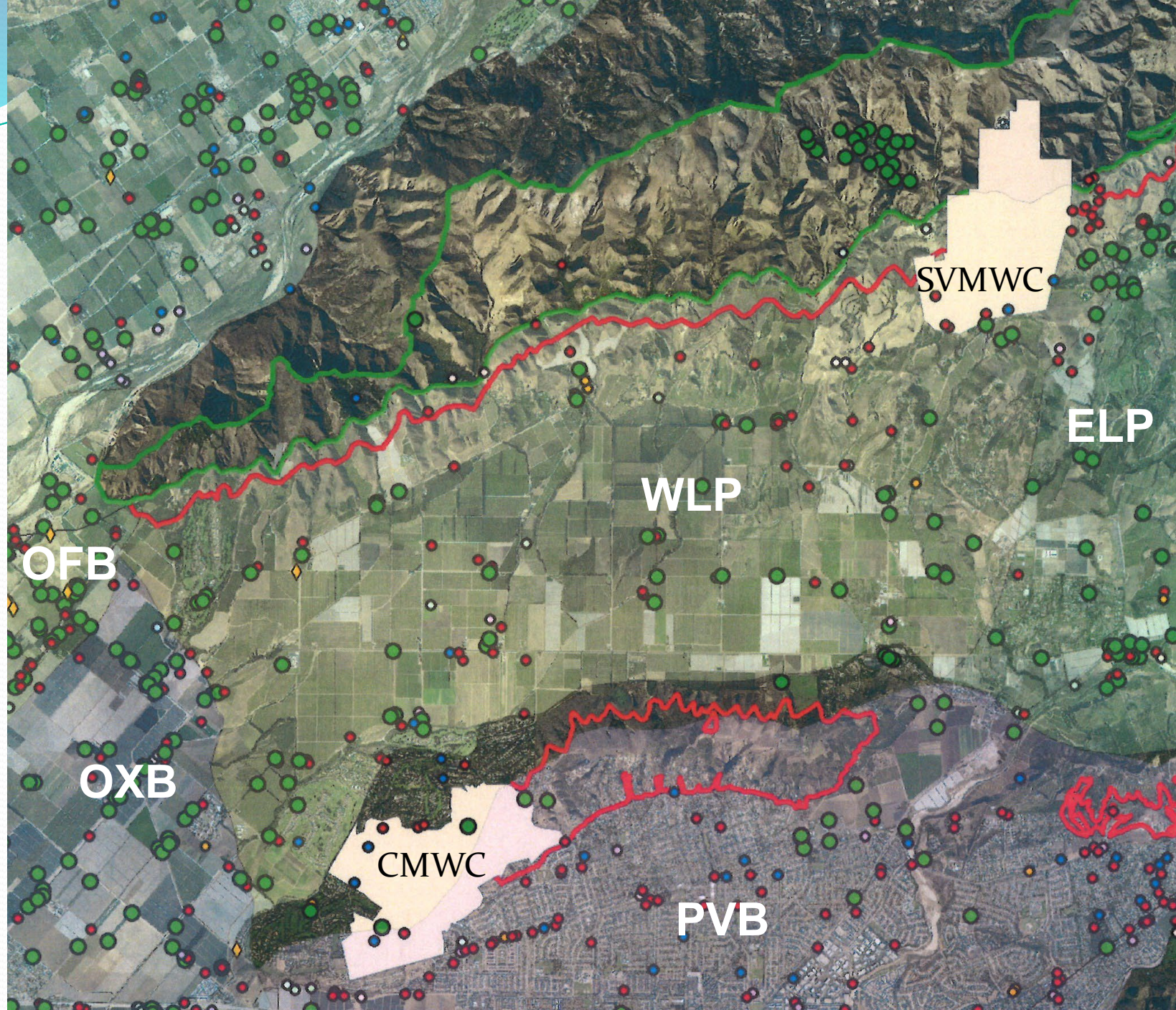


Solano Verde Mutual Water Company

- Extracted groundwater from two wells until 2005.
- Annual extractions approximately 200 to 300 AF/year.
- Wells were destroyed under permit in 2009.
- Currently provides water supplied by Calleguas Municipal Water District.
- Service area is within the Ventura County Water Works District No. 19 service area.

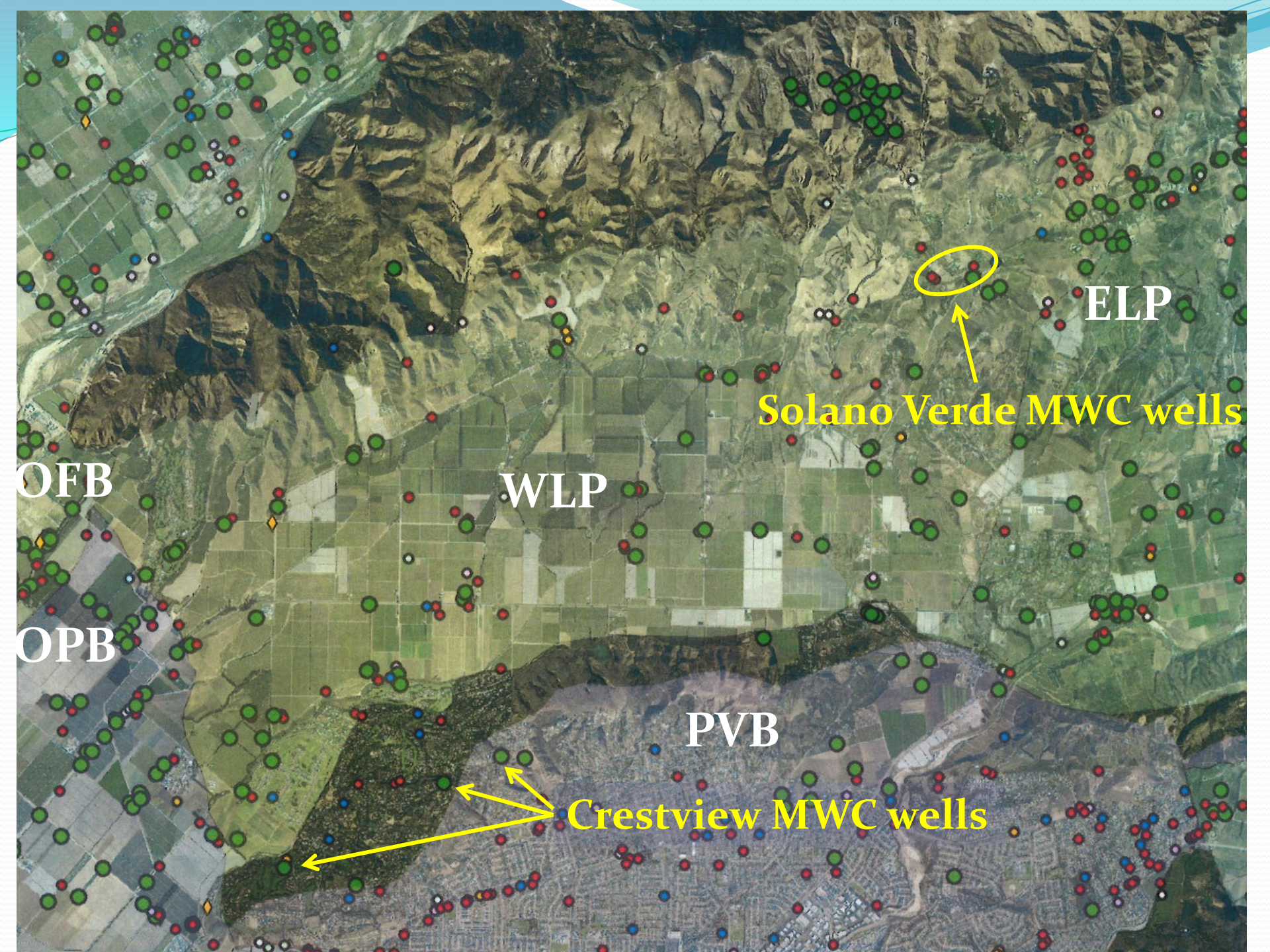
Solano Verde Mutual Water Company

- Origin historical **allocation**: 231.794 AF/yr.
- Three HA transfers approved: two in 2006 totaling 35 AF/yr; and one in 2010 for 51.793333 AF/yr.
- Current HA of 145.00067 AF/yr.
- Baseline allocation of 80.10 AF/yr
- In 2006 and 2007, credits (totaling 111.4 AF) were transferred from Solano Verde to Calleguas Municipal Water District for in lieu water deliveries.



Crestview Mutual Water Company

- Formed in 1950.
- Provides water for 617 domestic connections and one M&I connection.
- At full build-out, the maximum number of connections is to be about 700.



ELP

Solano Verde MWC wells

OFB

WLP

OPB

PVB

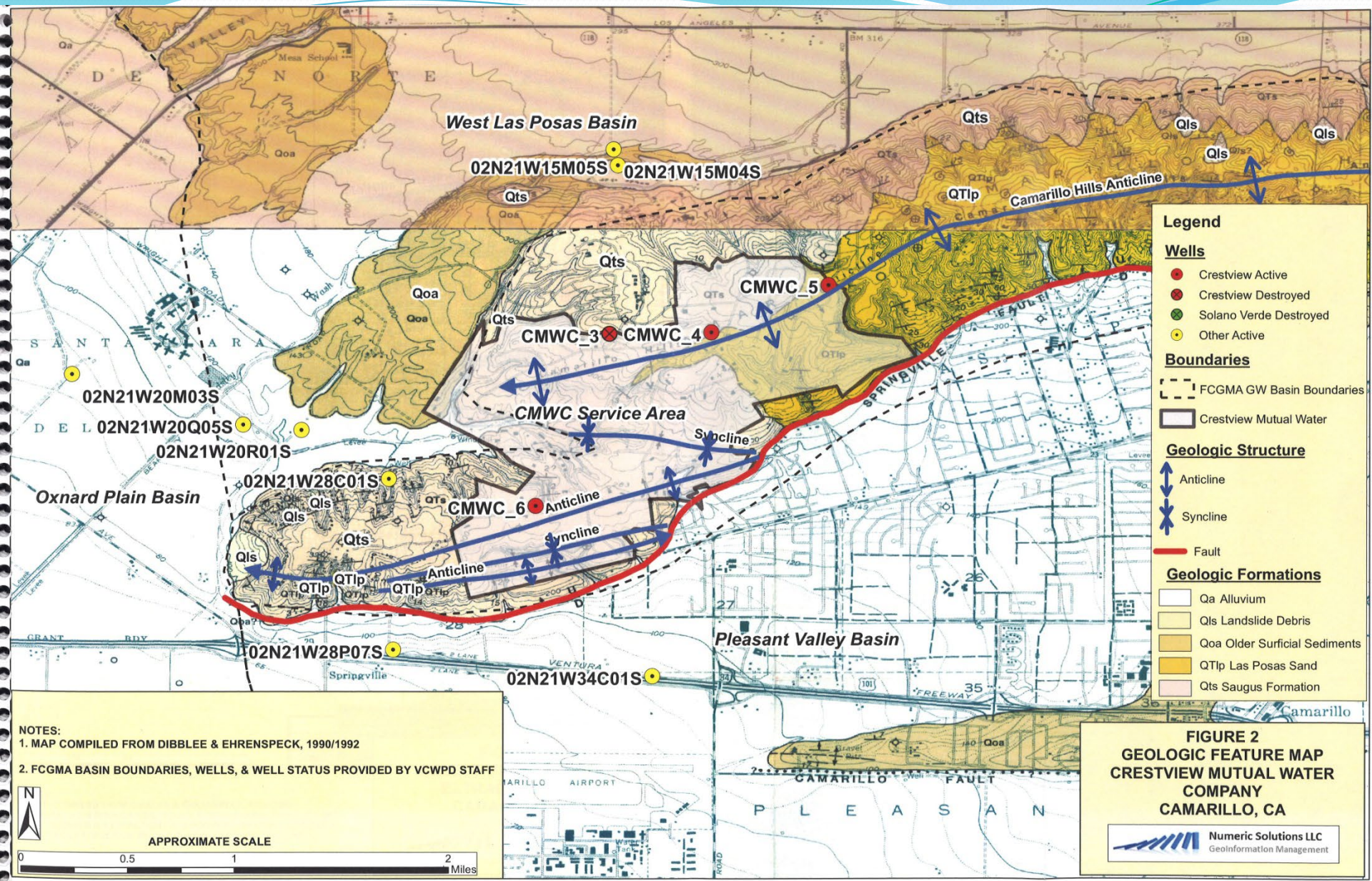
Crestview MWC wells

Crestview Mutual Water Company

- HA of 912.142 AF/yr.
- Baseline allocation of 70.410 AF/yr.
- Annual reported extractions range from 650 to 900 AF/yr (with some big variations).
- CMWC supplements its water supply with approximately 220 AF/yr of imported water.

Numeric Solutions Report

- The submitted consultant report was fairly thorough.
- Provided a good discussion of the hydrogeology.
- Evaluated groundwater extractions within a one-mile radius of the CMWC wells.
- Discussed water quality and present data on the BMO constituent concentrations in the vicinity of CMWC service area.
- Discussed the BMOs but did not mention that TDS concentrations in much of the basin exceed the Basin Management Objective for the basin.



Legend

Wells

- Crestview Active
- Crestview Destroyed
- Solano Verde Destroyed
- Other Active

Boundaries

- - - FCGMA GW Basin Boundaries
- ▭ Crestview Mutual Water

Geologic Structure

- ↕ Anticline
- ⋈ Syncline
- Fault

Geologic Formations

- Qa Alluvium
- Qls Landslide Debris
- Qoa Older Surficial Sediments
- QTlp Las Posas Sand
- Qts Saugus Formation

NOTES:

1. MAP COMPILED FROM DIBBLEE & EHRENSPECK, 1990/1992
2. FCGMA BASIN BOUNDARIES, WELLS, & WELL STATUS PROVIDED BY VCWPD STAFF

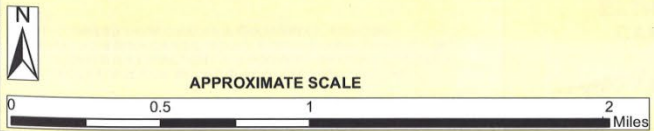


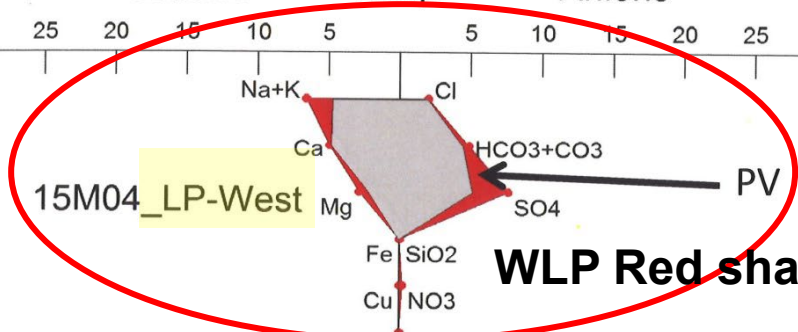
FIGURE 2
GEOLOGIC FEATURE MAP
CRESTVIEW MUTUAL WATER
COMPANY
CAMARILLO, CA

Numeric Solutions LLC
 Geoinformation Management

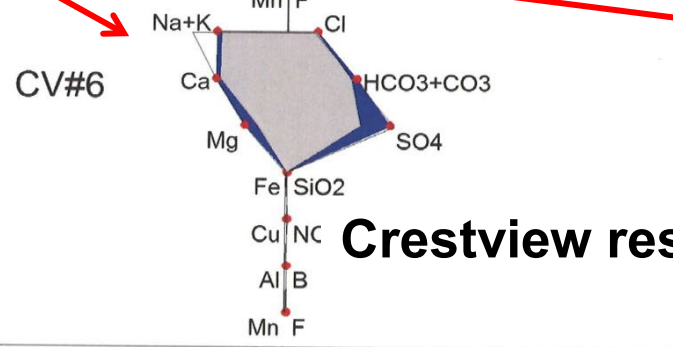
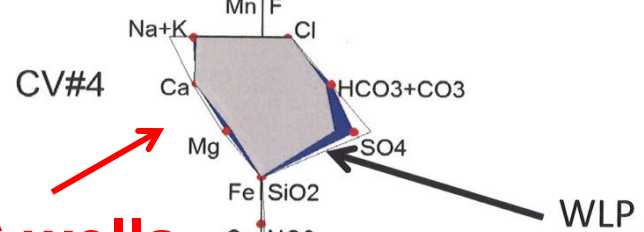
Stiff Diagram All Wells

Cations meq/l Anions

30 25 20 15 10 5 5 10 15 20 25 30



CMWC wells

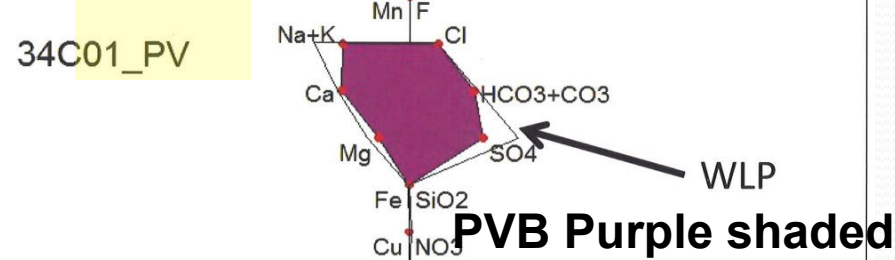
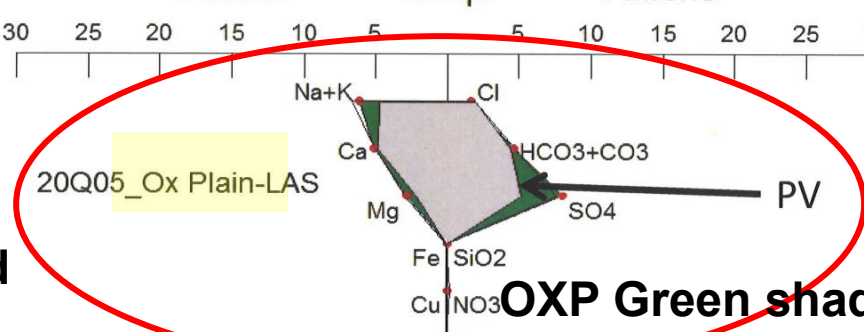


Crestview results shaded in blue

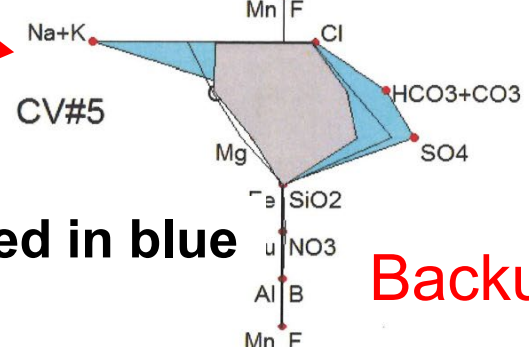
Stiff Diagram All Wells

Cations meq/l Anions

30 25 20 15 10 5 5 10 15 20 25 30

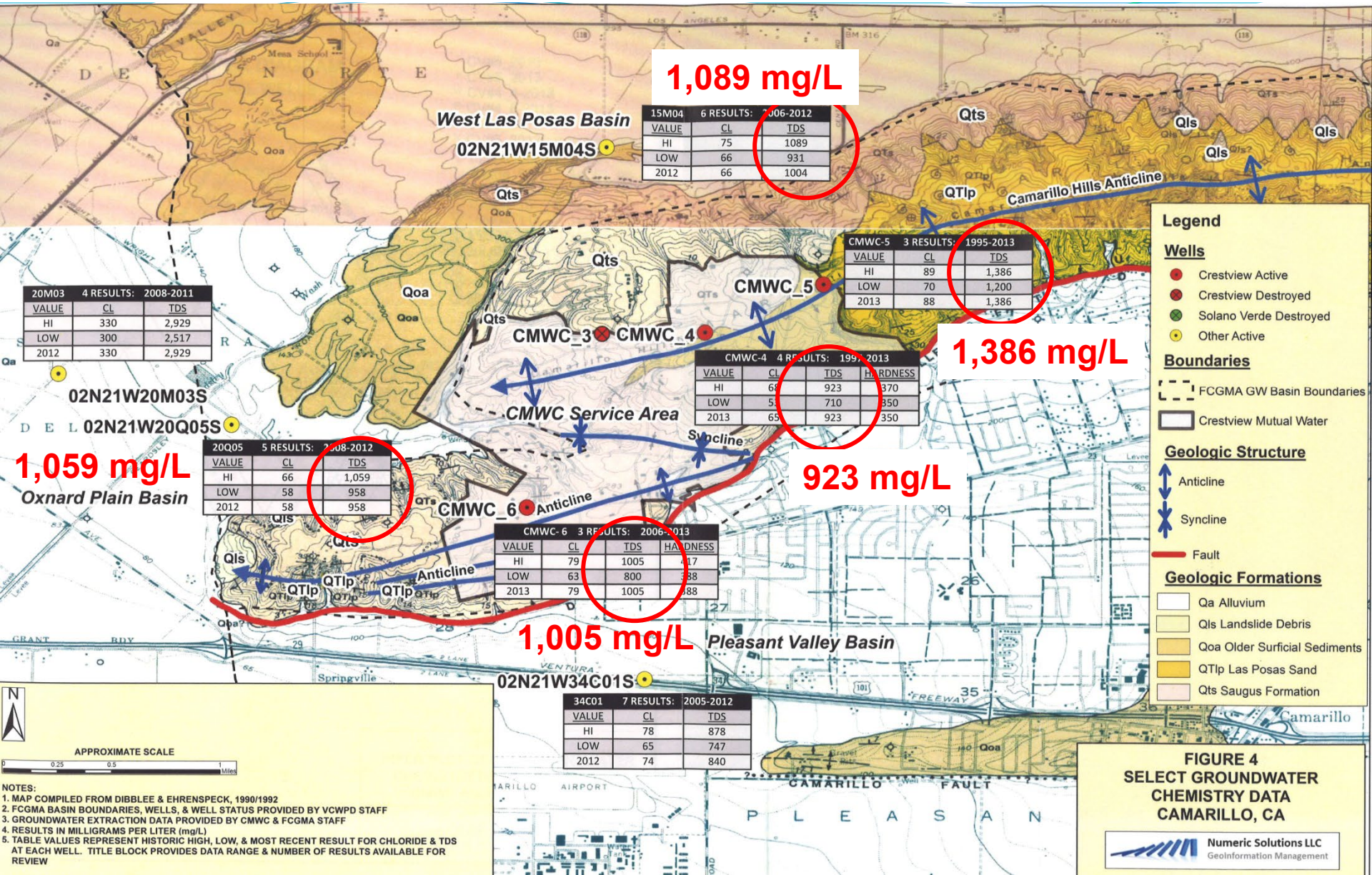


Backup well



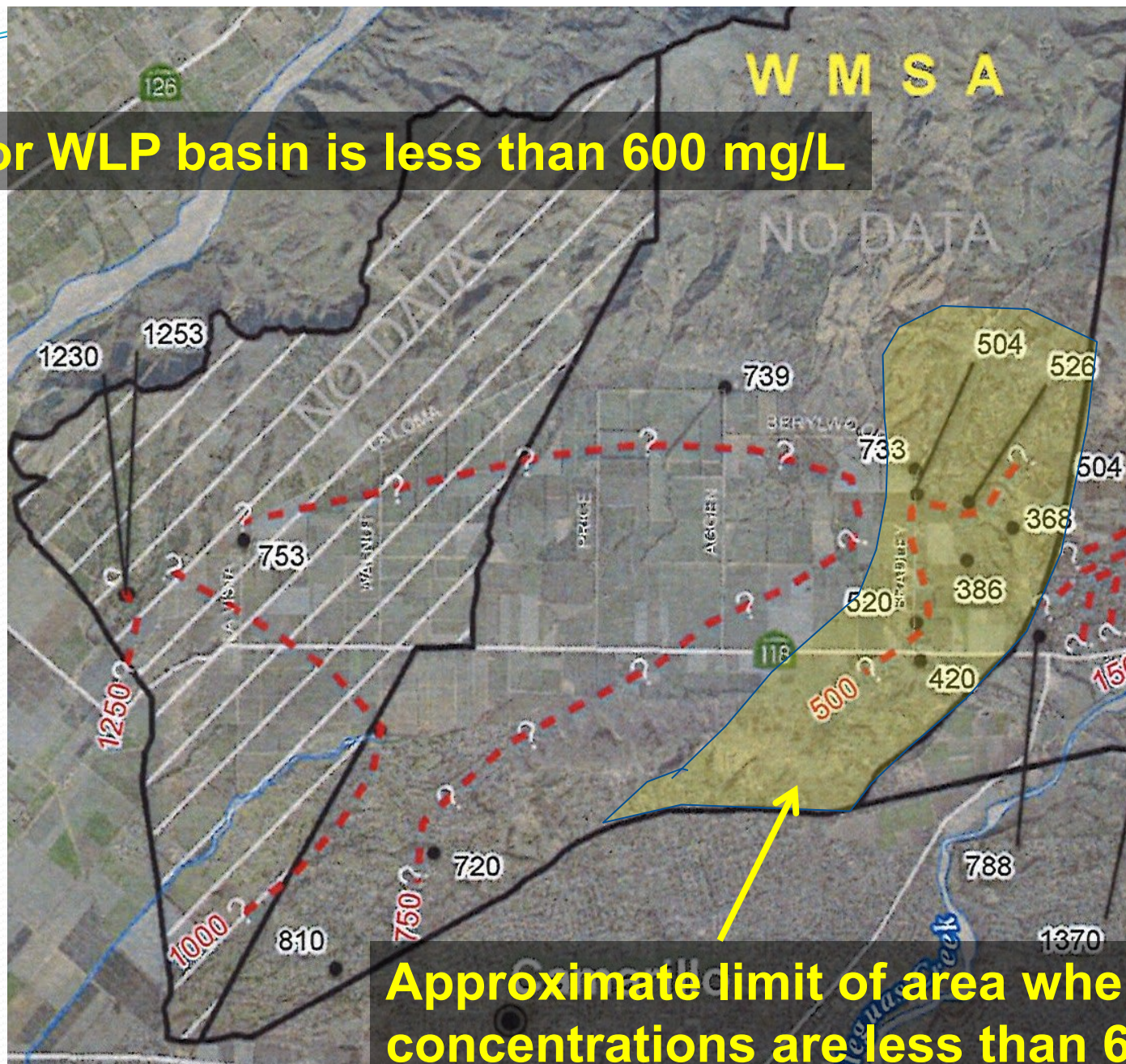
PV - Pleasant Valley Basin Well 34C01 (gray infill)
 WLP - West Las Posas Basin Well 15M04 (black border, no infill)

TDS BMO for WLP Basin in less than 600 mg/L



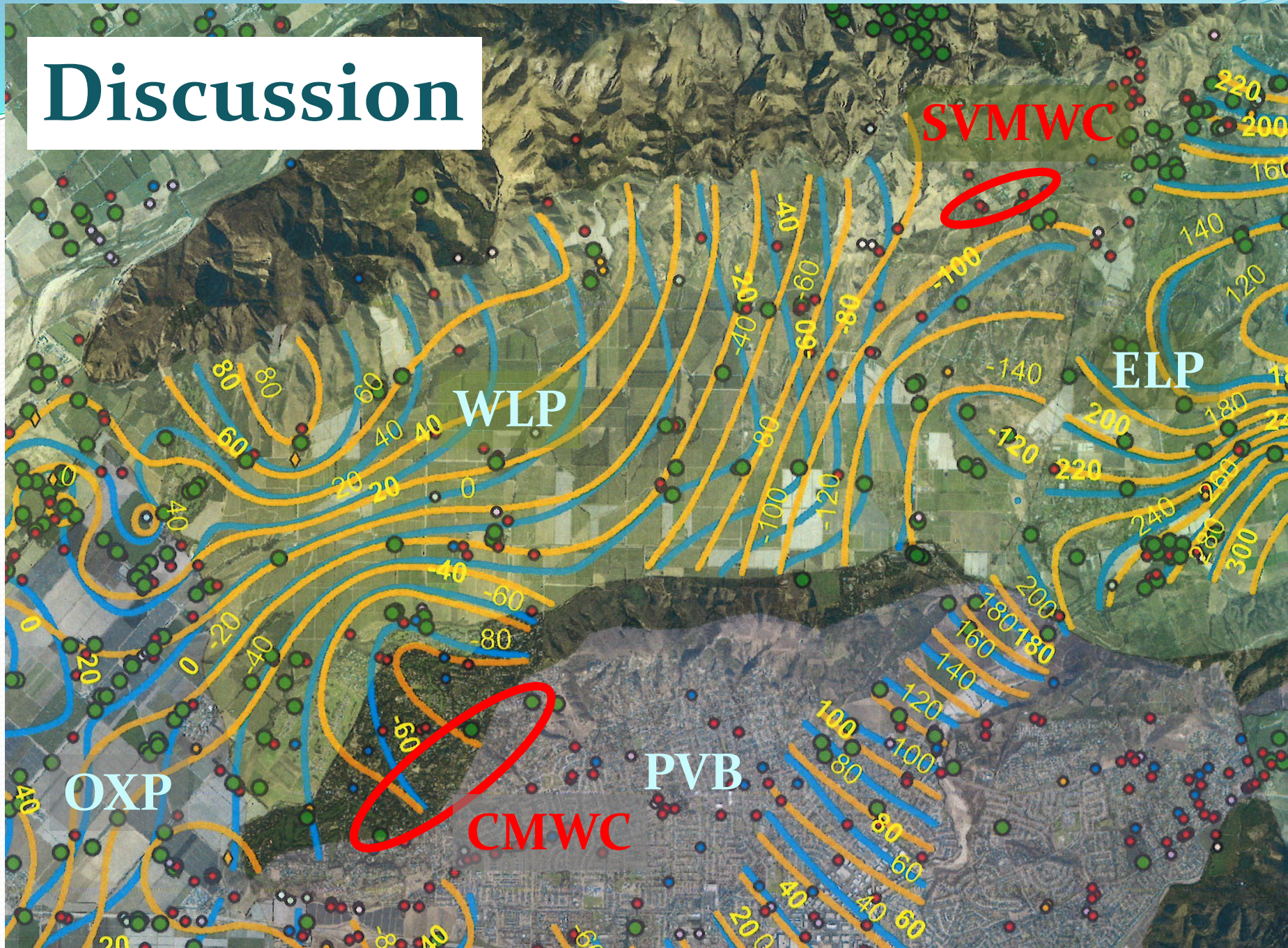
TDS concentrations in mg/L (2005 - 2010)

BMO for WLP basin is less than 600 mg/L

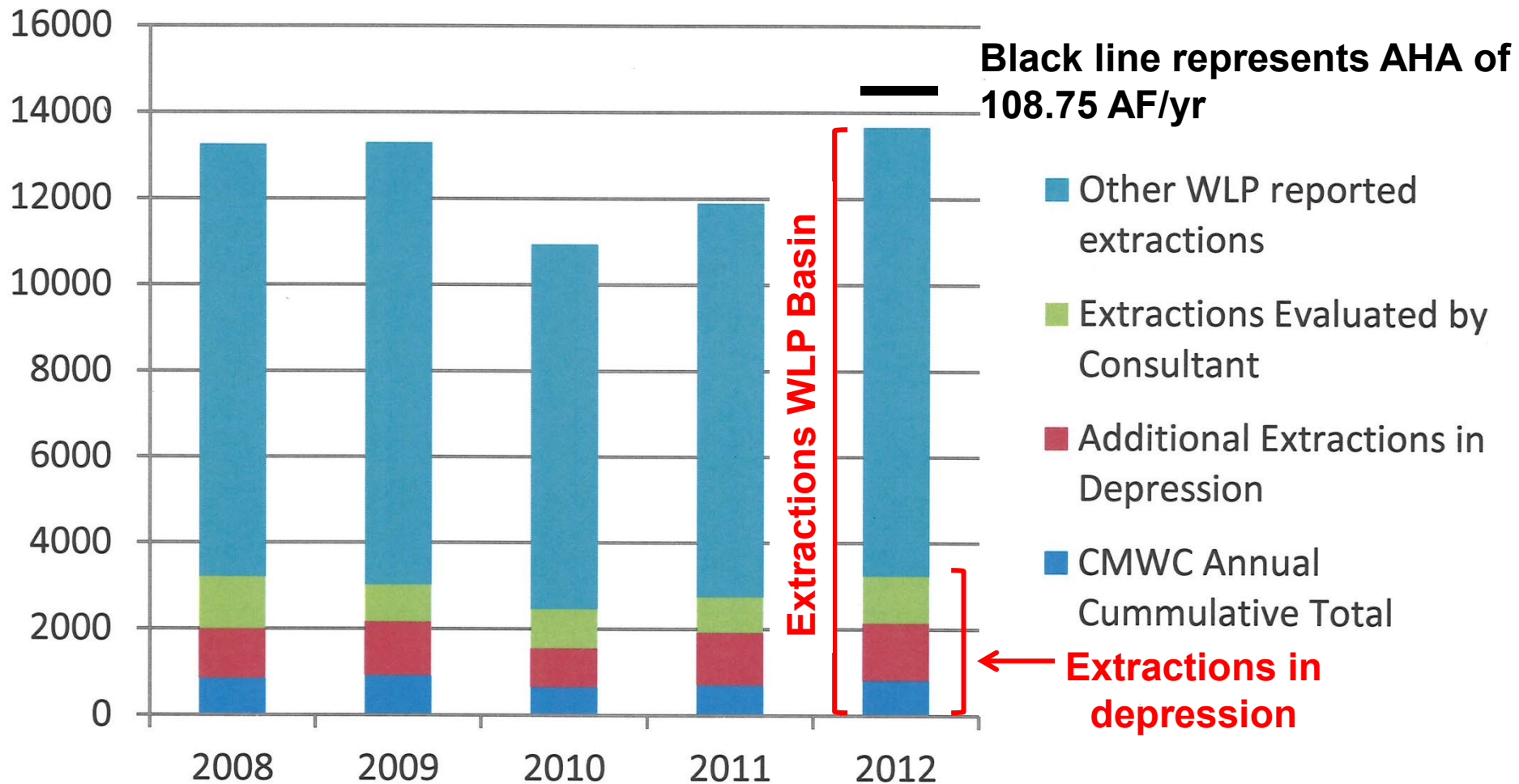


Approximate limit of area where TDS concentrations are less than 600 mg/L

Discussion



Reported Groundwater Extractions (in acre-feet per year)



Other Considerations

- HA is a result of providing water to customers during the 1985 to 1989 period.
- No indication that customer base water demand has declined.
- Should the HA remain with the customer base?
- Should HA be transferred to the water purveyor who serves the customer base that developed the HA?

Options

- Permanently grant the HA transfer as requested.
- Conditionally grant the HA transfer to CMWC, but require that at the time of transfer, the HA per acre be recorded for the Solano customers, and provided back to them from CMWC if they install a private well.

Options

- Do not grant the HA transfer, but require the remaining HA to be assigned to the water purveyor which provides water to the Solano customers, where it could be prorated back if they install a private well and /or decrease the fees charged for the water that the customers are provided.
- Do not grant the HA transfer.
- Grant the HA transfer with the condition that an efficiency allocation is not available to parcels once served by SVMWC



Reserve Slides

Water Quality, TDS

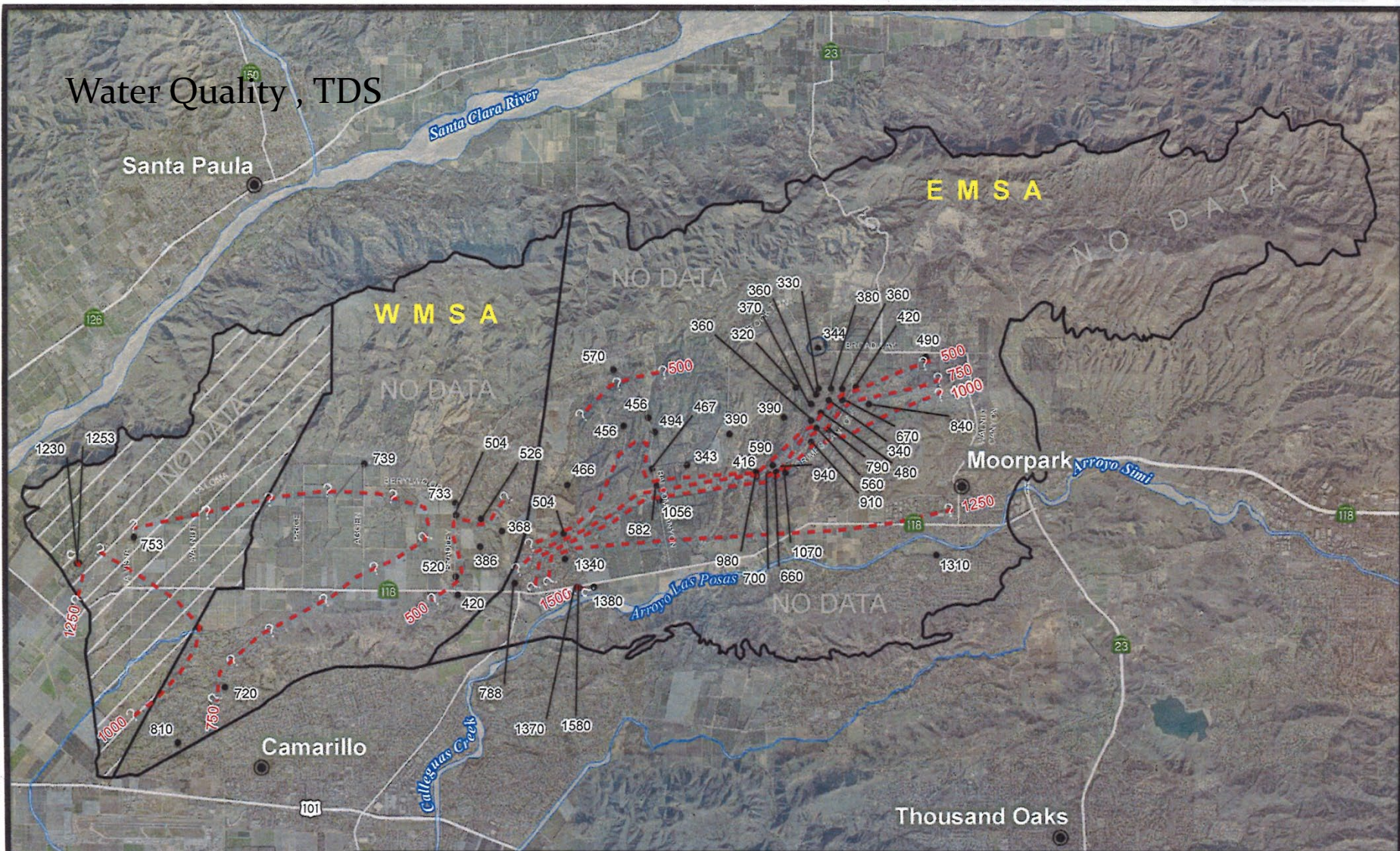
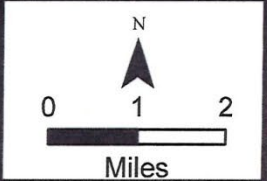


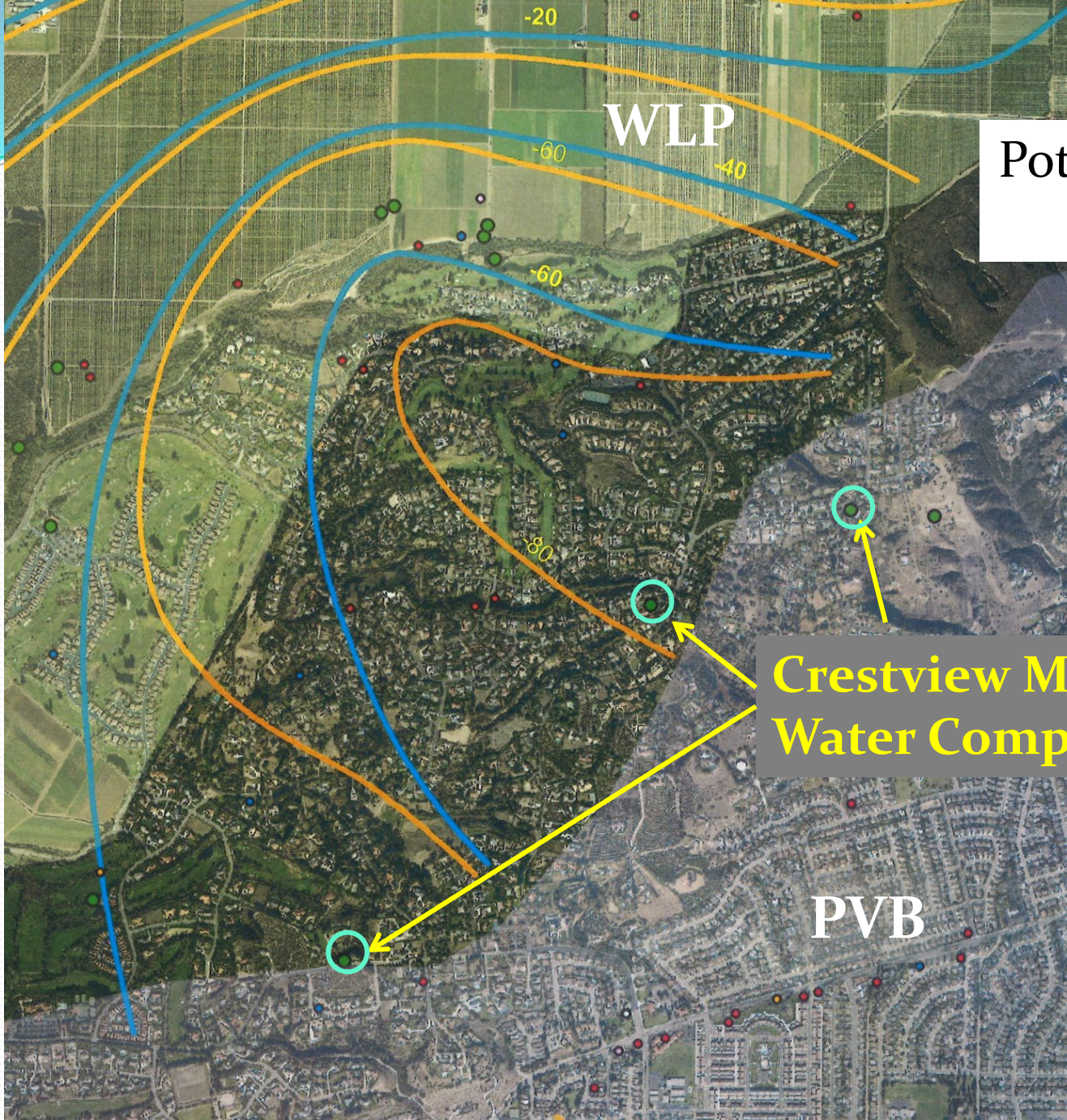
Figure 22: TDS Contour Map - Fox Canyon Aquifer **DRAFT**

- Line of Equal TDS Concentration
- Basin Management Area - Monitor Only
- Western Management Sub-Area
- Data Location
- Eastern Management Sub-Area
- Roads

Notes:
 Values represent most recent sample from each well within the prior 5 years. All values are mg/L.

Filename: LPBSMP_Figure22 Prepared by: JD Checked by: BB





Potentiometric Surface Contours

- Spring 2012
- Fall 2012

Crestview Mutual Water Company wells

PVB

WLP

-20

-60

-40

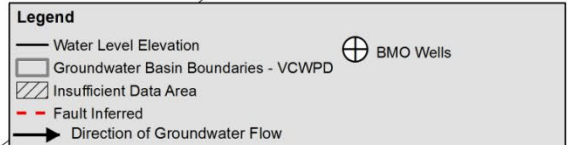
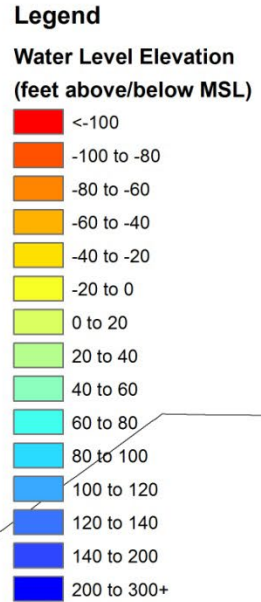
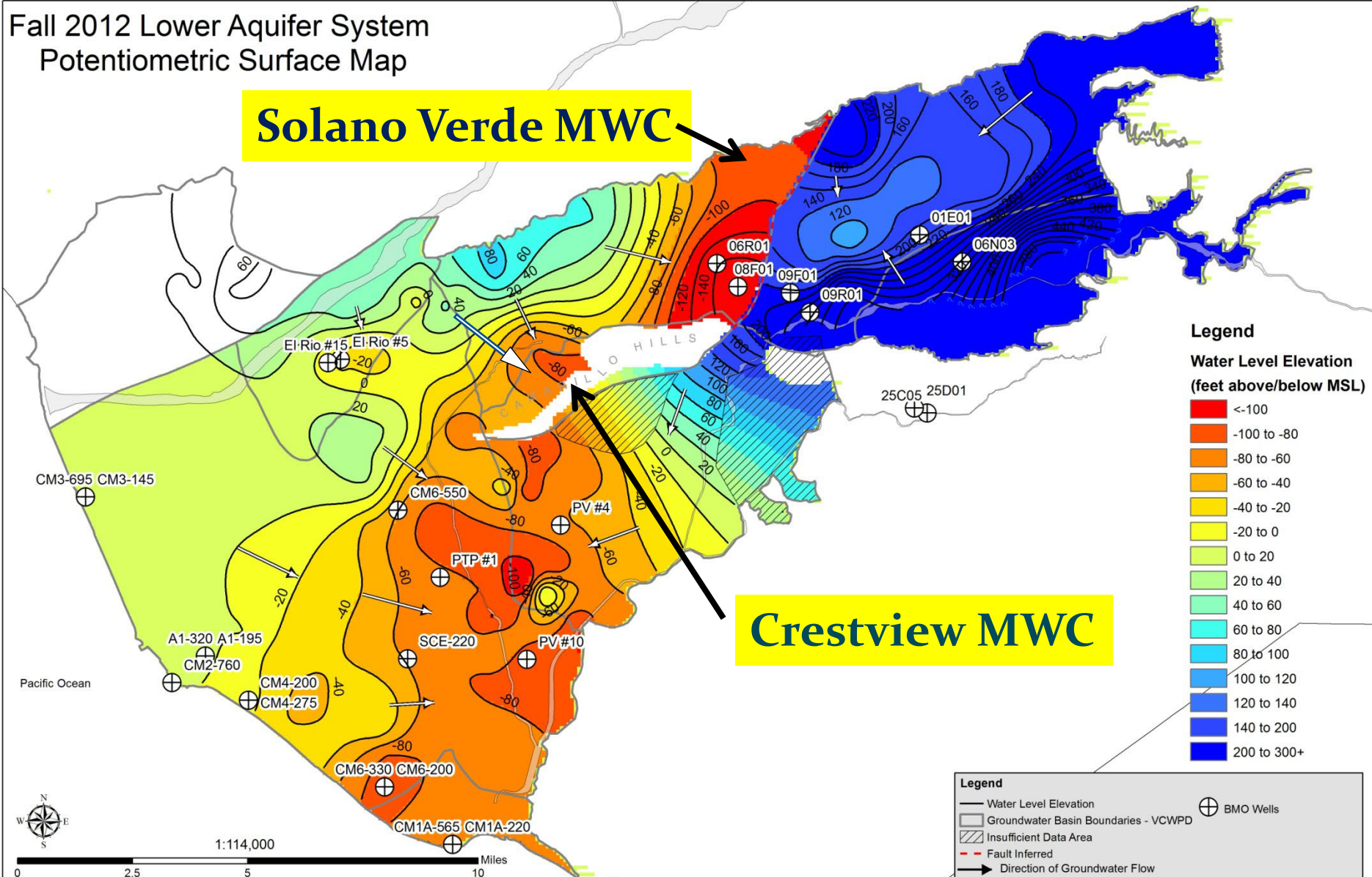
-60

-80

Fall 2012 Lower Aquifer System Potentiometric Surface Map

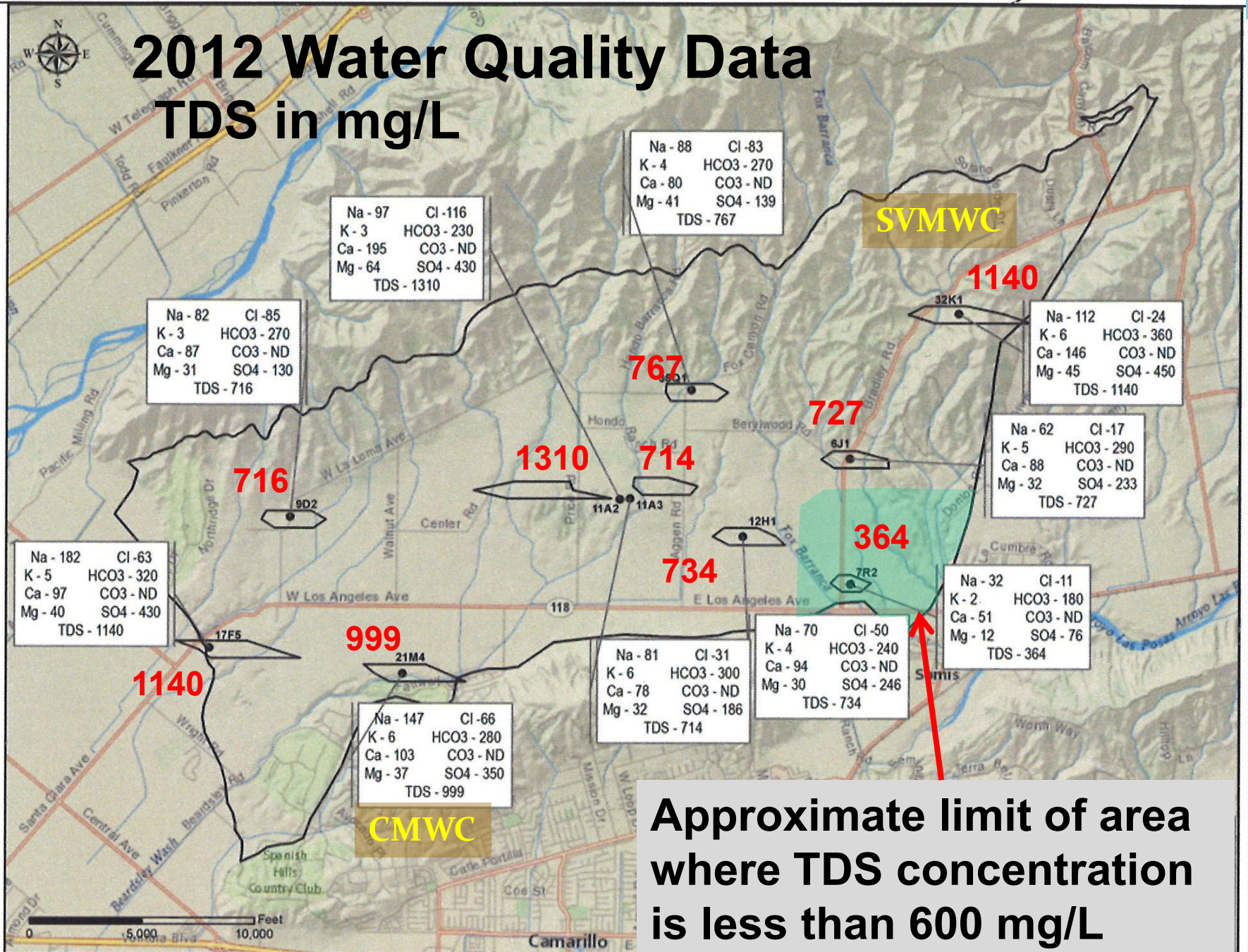
Solano Verde MWC

Crestview MWC



2012 Water Quality Data

TDS in mg/L



Item B - Consider Zone Mutual Water Company's Proposed Changes to the FCGMA Well Permitting Procedure

Kathleen Riedel, P.G., C.E.G.
Groundwater Specialist
Watershed Protection District



Background

- **October 11, 2013** – The Executive Committee concurred with Agency staff that LPUG proposed Ordinance Code change was not recommended.
- In follow-up, Zone Mutual Water Company proposed an alternate change, the adoption and use of a questionnaire.
- The proposed questionnaire would replace the current FCGMA Application for Historical Allocation Transfer, and be submitted when one applies for a new well in the Las Posas basins.

Discussion

- The questions are geared towards evaluating if the new well/parcel/Operator qualifies for an Historical Allocation transfer.
- Built into the questionnaire is an assumed formula for calculating the amount of Historical Allocation that the new well would be entitled to.

Discussion

- The questionnaire does not provide the water purveyor's criteria, as to which wells are entitled to transfers, nor the formula for calculating the amount to be transferred, per each operating water purveyor.
- The questionnaire presupposes a mutual transfer request.

Discussion

- The proposed questionnaire would be useful for: acquiring supplemental information, including the logic behind the agreed upon Historical Allocation transfer amount; and initiating the first steps towards the allocation transfer process.



**FOX CANYON
GROUNDWATER MANAGEMENT AGENCY
A STATE OF CALIFORNIA WATER AGENCY**

Current Application for Transfer of Historical Allocation

**Application for Transfer of
Historical Allocation**

Type of Transfer: Ag to Ag Ag to M & I M & I to Ag M & I to M & I
Chapter 5, Section 5.3.1 of the FCGMA Ordinance Code (Ordinance No. 8.1) provides for adjustments to and transfers of Historical Allocations. These transfers are limited to a maximum of two (2) acre-feet per acre per year **OR** the historical extraction allocation depending on the type of transfer.

Please provide the following information:

Applicant's Name: _____
Address: _____
Phone #: _____

Allocation Recipient (if different from above): _____
Address: _____
Phone #: _____

Owner's Well No.: _____ **State Well No.:** _____

Assessor's Parcel No.(s): _____

Parcel/Usage Information:
 1. Previous Acreage & Use of Parcel _____
 2. Acreage & Development Planned _____
 3. Previous & Planned Water Source _____

Historical Allocation: **Currently =** _____ **AF/Yr** **Transfer Requested =** _____ **AF/YR**
 (Historical less any previous adjustment)

Provide assessor's map(s) that show location of well(s) and acreage currently & proposed to be supplying groundwater.

Applicant's Name: _____ **Recipient's Name:** _____
 Please Print Please Print

Applicant's Signature: _____ **Recipient's Signature:** _____
 Date Date

FAILURE to submit a complete package may result in denial of this application.

DISPOSITION OF FCGMA APPLICATION

(For Office use only)

- Approved**
 Approved as Noted
 Denied

Date Effective: _____

Conditions/Reason for Denial: _____

By: _____ **Date** _____

This application is valid when signed by the FCGMA Executive Officer or his/her designated appointee.

_____ **Date** _____
Jeff Pratt, P.E., FCGMA Executive Officer

FOX CANYON GROUNDWATER MANAGEMENT AGENCY
QUESTIONNAIRE FOR NEW WELL PERMITS IN THE LAS POSAS BASINS
APPLICATION TO TRANSFER HISTORICAL ALLOCATION

Proposed Supplemental Questionnaire

1. Is the proposed agricultural well in the Las Posas Basins? Yes or No
If Yes, which basin? East or West
2. Does the property to be irrigated currently receive water from another source? Yes or No
Is that source Ventura County Waterworks District 1? Yes or No
Is that source Ventura County Waterworks District 19? Yes or No
Is there another source? Name that provider: _____

3. Will the new well be the primary source of irrigation water? Yes or No
4. How many acres are currently irrigated? _____
5. How many years has the acreage been in agricultural production? _____

6. Does the new well qualify to receive the Historical Allocation transfer? Yes or No
7. If Yes: upon completion of the new well as the primary irrigation source, the Historical Allocation currently used by the former provider will be moved to the new well. This completed form will serve as a request to the FCGMA to move the Historical Allocation.

Number of acres: _____ times the Historical Allocation per acre: _____
Equals the Total Historical Allocation to be transferred to the new well: _____

It is the responsibility of the new well owner to understand the requirements of well reporting to the Fox Canyon Groundwater Management Agency, and to stay current with the regulations governing the pumping limitations as they pertain to the Las Posas Basins. The new well owner recognizes that the former provider may be called upon to serve water in an emergency and that rate structure for that service may vary from the current system of billing for water delivery.

New Well Owner: _____
Signature: _____ Date: _____

The Former Provider, _____, agrees to transfer to the above
New Well Owner _____ acre feet per year of Historical Allocation.

Former Provider: _____
Signature: _____ Date: _____

Supplemental Application for Transfer of Historical Allocation

1. Is the proposed agricultural well in the Las Posas Basins? Yes or No

If Yes, which basin? East or West

2. Does the property to be irrigated currently receive water from another source? Yes or No

Is that source Ventura County Waterworks District 1? Yes or No

Is that source Ventura County Waterworks District 19? Yes or No

Is there another source? Name that provider: _____

3. Will the new well be the primary source of irrigation water? Yes or No

4. How many acres are currently irrigated? _____

5. How many years has the acreage been in agricultural production? _____

6. Does the new well qualify to receive the Historical Allocation transfer? Yes or No

7. If Yes: upon completion of the new well as the primary irrigation source, the Historical Allocation currently used by the former provider will be moved to the new well. This completed form will serve as a request to the FCGMA to move the Historical Allocation.

Number of acres: _____ times the Historical Allocation per acre: _____

Equals the Total Historical Allocation to be transferred to the new well: _____

It is the responsibility of the new well owner to understand the requirements of well reporting to the Fox Canyon Groundwater Management Agency, and to stay current with the regulations governing the pumping limitations as they pertain to the Las Posas Basins. The new well owner recognizes that the former provider may be called upon to serve water in an emergency and that rate structure for that service may vary from the current system of billing for water delivery.

New Well Owner: _____

Signature: _____ Date: _____

The Former Provider, _____, agrees to transfer to the above
New Well Owner _____ acre feet per year of Historical Allocation.

Former Provider: _____

Signature: _____ Date: _____

FOX CANYON GROUNDWATER MANAGEMENT AGENCY
QUESTIONNAIRE FOR NEW WELL PERMITS IN THE LAS POSAS BASINS
APPLICATION TO TRANSFER HISTORICAL ALLOCATION

1. Is the proposed agricultural well in the Las Posas Basins? Yes or No

If Yes, which basin? East or West

2. Does the property to be irrigated currently receive water from another source? Yes or No

Is that source Ventura County Waterworks District 1? Yes or No

Is that source Ventura County Waterworks District 19? Yes or No

Is there another source? Name that provider: _____

3. Will the new well be the primary source of irrigation water? Yes or No

4. How many acres are currently irrigated? _____

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7. If Yes: upon completion of the new well as the primary irrigation source, the Historical Allocation currently used by the former provider will be moved to the new well. This completed form will serve as a request to the FCGMA to move the Historical Allocation.

Number of acres: _____ times the Historical Allocation per acre: _____

Equals the Total Historical Allocation to be transferred to the new well: _____

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New Well Owner: _____

Signature: _____ Date: _____

The Former Provider, _____, agrees to transfer to the above
New Well Owner _____ acre feet per year of Historical Allocation.

Former Provider: _____

Signature: _____ Date: _____

Replace wording

1. In which of the Las Posas basins is the proposed well to be located? East, West, or South

FOX CANYON GROUNDWATER MANAGEMENT AGENCY
QUESTIONNAIRE FOR NEW WELL PERMITS IN THE LAS POSAS BASINS
APPLICATION TO TRANSFER HISTORICAL ALLOCATION

1. Is the proposed agricultural well in the Las Posas Basins? Yes or No

If Yes, which basin? East or West

2. Does the property to be irrigated currently receive water from another source? Yes or No

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Is that source Ventura County Waterworks District 19? Yes or No

Is there another source? Name that provider: _____

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Number of acres: _____ times the Historical Allocation per acre: _____

Equals the Total Historical Allocation to be transferred to the new well: _____

It is the responsibility of the new well owner to understand the requirements of well reporting to the Fox Canyon Groundwater Management Agency, and to stay current with the regulations governing the pumping limitations as they pertain to the Las Posas Basins. The new well owner recognizes that the former provider may be called upon to serve water in an emergency and that rate structure for that service may vary from the current system of billing for water delivery.

New Well Owner: _____

Signature: _____ Date: _____

The Former Provider, _____, agrees to transfer to the above New Well Owner _____ acre feet per year of Historical Allocation.

Former Provider: _____

Signature: _____ Date: _____

Delete

Insert "2b."

Insert "2c. Was water supplied to the parcel during the period 1985 to 1989? Yes or No

2d. If 2c is yes, name that provider?"

FOX CANYON GROUNDWATER MANAGEMENT AGENCY
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New Well Owner: _____
Signature: _____ Date: _____

The Former Provider, _____, agrees to transfer to the above
New Well Owner _____ acre feet per year of Historical Allocation.

Former Provider: _____
Signature: _____ Date: _____

3b. Domestic water? Yes or No

5b. How many acres were irrigated between base period, 1985 and 1989? (Attach supporting documentation such as copy of aerial photograph)

5c. How much water was provided annually (in acre-feet)? 1985 _____; 1986 _____; 1987 _____; 1988 _____; and 1989 _____ (Attach supporting documentation)

FOX CANYON GROUNDWATER MANAGEMENT AGENCY
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Is that source Ventura County Waterworks District 19? Yes or No

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New Well Owner: _____

Signature: _____ Date: _____

The Former Provider, _____, agrees to transfer to the above New Well Owner _____ acre feet per year of Historical Allocation.

Former Provider: _____

Signature: _____ Date: _____

Insert “served during the base period”

Replace with “Five-year average of water provided during the base period 1985 to 1989 (in acre-feet):”

Delete

FOX CANYON GROUNDWATER MANAGEMENT AGENCY
QUESTIONNAIRE FOR NEW WELL PERMITS IN THE LAS POSAS BASINS
APPLICATION TO TRANSFER HISTORICAL ALLOCATION

1. Is the proposed agricultural well in the Las Posas Basins? Yes or No
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Number of acres: _____ times the Historical Allocation per acre: _____

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New Well Owner: _____
Signature: _____ Date: _____

The Former Provider, _____, agrees to transfer to the above
New Well Owner _____ acre feet per year of Historical Allocation.

Former Provider: _____
Signature: _____ Date: _____

Per Agency Legal Council, clarification is needed regarding the purpose of the last paragraph.

Conclusion

- Agency Staff requests feedback regarding the proposed edits, and use of the Questionnaire.

**GMA EXECUTIVE COMMITTEE -
M&I TO M&I
HISTORICAL ALLOCATION TRANSFER**

SOLANO VERDE MUTUAL
TO

CRESTVIEW MUTUAL

NOVEMBER 15, 2013

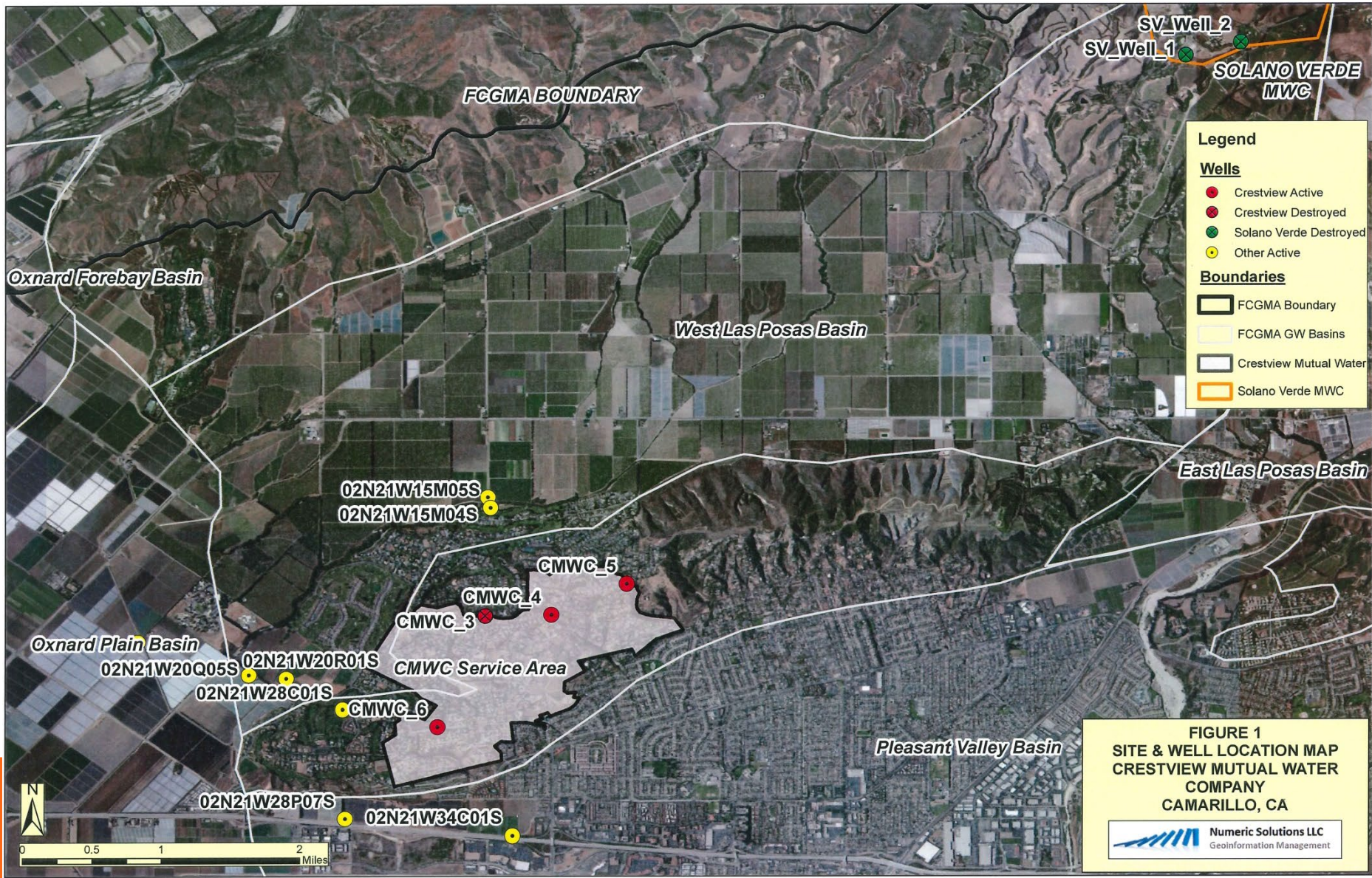




FIGURE 1
SITE & WELL LOCATION MAP
CRESTVIEW MUTUAL WATER
COMPANY
CAMARILLO, CA

 **Numeric Solutions LLC**
 Geoinformation Management

TIMELINE OF ACTIONS

- Request for transfer application submitted May 28, 2013.
 - Staff reviewed application and decides to refer to Executive Committee.
 - Executive Committee receives Staff presentation August 12, 2013, detailing various NEW concerns about HA Transfers and stating they do not have resources to complete necessary analysis.
 - Crestview retains Numeric Solutions early September 2013 to complete analysis as required by Ordinance Code.
 - Crestview submits report to GMA Staff on October 11, 2013 for review and comment.
- 

APPLICABLE ORDINANCE CODE SECTION

Sections 5.3.2., 5.3.4. and 5.3.5. provide for allocation to be transferred between M&I extraction facilities provided there is no net detriment to the aquifer system and it is equitable.

In making this determination at a minimum the following is to be considered:

- the location of extraction facilities; **Section 2.1.1 on page 4**
- the aquifer system being used; **Section 2.2 on page 5 - 6**
- groundwater quality impacts of the transfer; and **Section 4.2 on page 11**
- overall assessment of cumulative impacts. **Section 6.0 on page 13**

GMA STAFF SPECIFIC CONCERNS THAT APPLY TO CRESTVIEW

■ *What basin does Crestview draw from?*

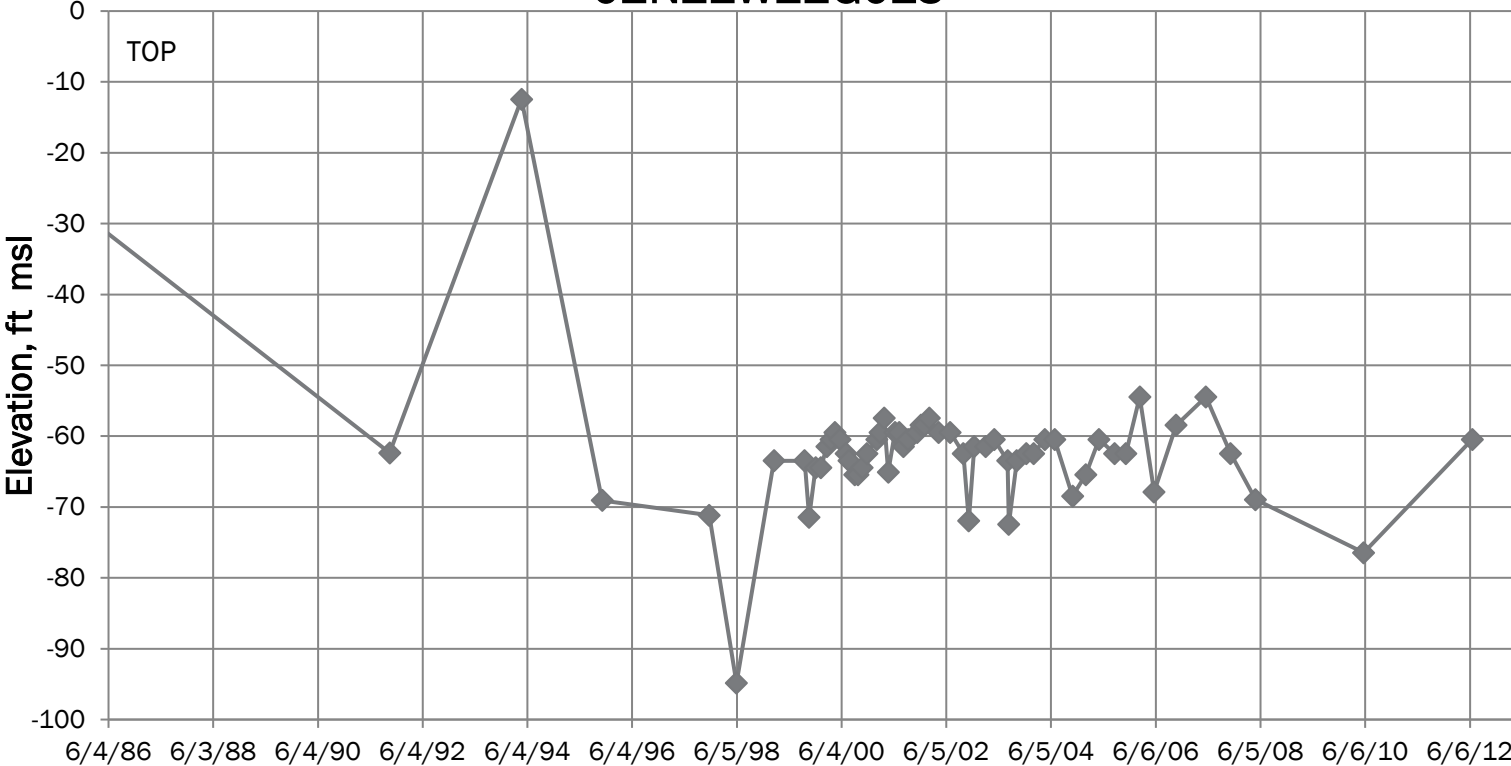
- “Historically, the FCGMA has attributed extraction at CMWC wells to the West Las Posas Basin. LPUG has concluded there is likely a hydraulic connection between this portion of the Camarillo Hills and the West Las Posas Basin. Our preliminary analysis of the geology near the CMWC’s wells supports this conclusion.”
- “The geologic analysis of CMWC’s wells in the western Camarillo Hills suggests wells CMWC-4 and CMWC-6 are likely installed in aquifer materials correlatable to the LAS and or materials stratigraphically between the UAS and the LAS. Geochemical analysis supports this conclusion and indicates water from ~~CMWC-5~~ (CMWC-4) and CMWC-6 is very similar to that of nearby LAS wells.”

GMA STAFF SPECIFIC CONCERNS THAT APPLY TO CRESTVIEW

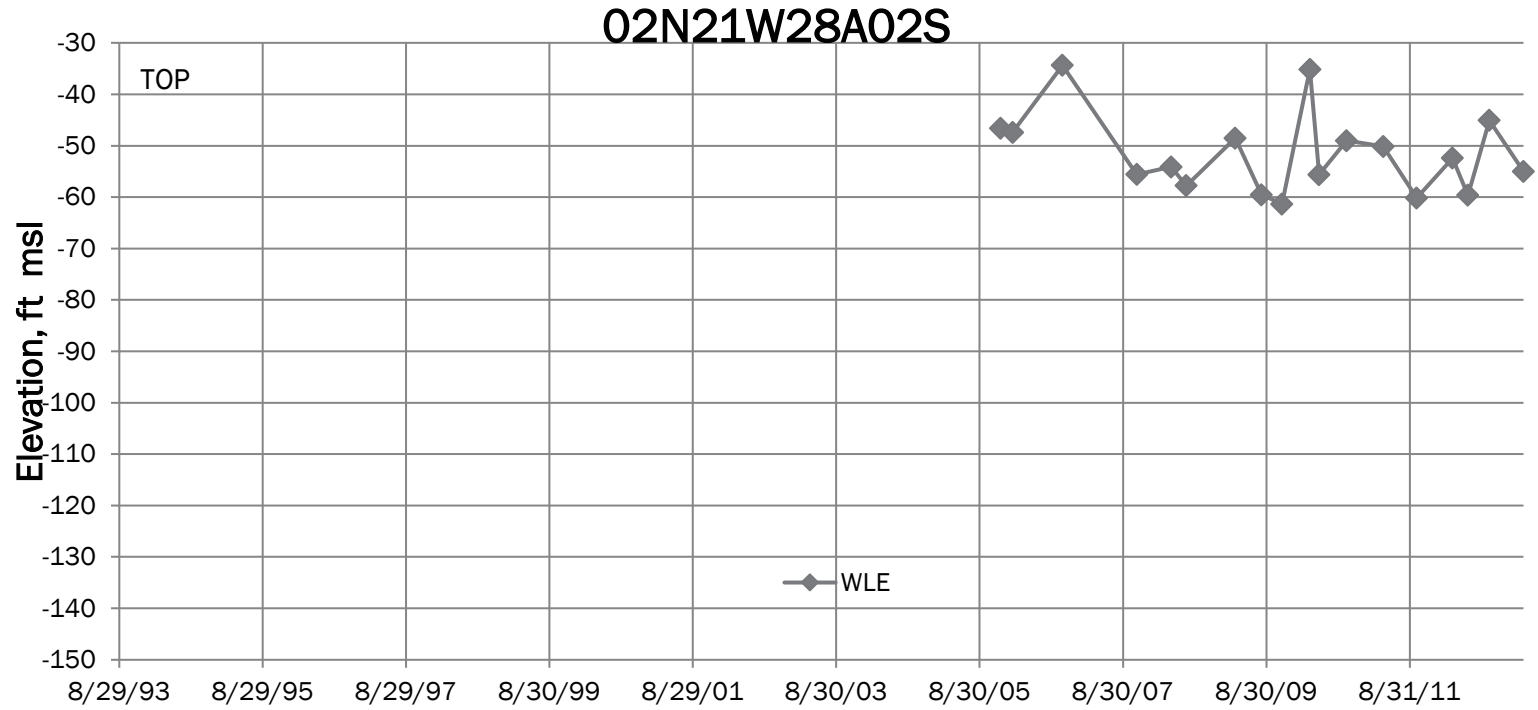
- *Depressed water levels in and around Crestview facilities.*
 - “Extraction at wells near to CMWC’s has been relatively stable since 1995. The aggregate average annual extraction at wells north of the Springville fault has declined by approximately 190 AFY since 2006.”
 - “Water levels in CMWC wells have been relatively stable at least since CMWC-6 was installed late 2005.”

WATER LEVELS WELL #4

02N21W22G01S



WATER LEVELS WELL #6



GMA STAFF SPECIFIC CONCERNS THAT APPLY TO CRESTVIEW

- *High variability of historical groundwater extractions by Crestview.*

CY	Well #4 MG	Well #5 MG	Well #6 MG	MWD / Cal-Am MG	Total Demand MG	Historical MG	Amount banked AcFt	Amount banked MG
00	111.349	106.162	0	97.518	315.029	266.739	151.074	49.228
01	130.137	44.535	0	121.320	295.992	271.600	297.462	96.928
02	253.962	105.090	0	4.390	363.442	275.582	(256.159)	83.470
03	162.388	92.115	0	94.371	348.874	275.582	64.690	21.079
04	162.189	131.621	0	94.551	388.361	275.582	(55.939)	18.228
05	135.296	115.964	0	88.360	339.620	275.582	74.642	24.322
06	159.802	104.609	0	79.193	343.604	275.582	34.283	11.171
07	154.446	54.604	99.908	86.572	395.530	275.582	(102.426)	33.376
08	117.770	0.070	157.313	96.783	371.936	275.582	1.317	0.429
09	127.846	0.034	171.026	56.262	355.168	260.721	(117.185)	38.185
10	92.423	0.033	119.327	74.949	286.732	245.860	104.579	34.077
11	98.637	0.000	129.316	65.518	293.471	245.860	54.955	17.907
12	112.032	0.565	153.396	65.092	331.085	245.860	(61.786)	20.133
						Total deviation Since 2001	38.435 AcFt banked	12.524 MG

GMA STAFF SPECIFIC CONCERNS THAT APPLY TO SOLANO VERDE

Should an Operator be allowed to transfer all of their Historical Allocation, leaving the Operator with no future / or clearly inadequate groundwater allocation to meet potential future demand?

- “WHEREAS, Solano Verde desires to enter into an agreement to sell all of its remaining HA to CMWC, based upon ...studies performed by GMA, the drop in water levels after pumping...and pumping water in Solano is not conducive to a reliable and affordable supply of water now or in the foreseeable future.”

GMA STAFF SPECIFIC CONCERNS THAT APPLY TO SOLANO VERDE

Should an Operator be allowed to transfer all of their Historical Allocation, leaving the Operator with no future / or clearly inadequate groundwater allocation to meet potential future demand?

- Solano CCR's Section 2.13 – Drilling. “No water well drilling, development operations...of any kind shall be permitted upon any lot, nor shall...derrick or other structure designed for the use in boring for water...be erected, maintained or permitted upon any lot, except drilling conducted by SVMWC...within established well sites for that purpose.”
- Baseline of 80.10 Af/ Yr will remain
- Approximately 1,800 Af of “Credits” will remain.

STAKEHOLDER INPUT

- **Item agendaized monthly at every LPUG meeting since May 2013.**
 - No comments or objections to presentation or follow up reports.
- **United Water asked to review and comment**
 - No comments, no objections.
- **Calleguas has reviewed**
 - No comments, no objections.

CLOSING THOUGHTS -

- Crestview has met the conditions and requirements of the Ordinance to allow the transfer
 - Crestview has answered and addressed Staff concerns as presented in Aug 2013
 - No Stakeholder or outside interest has expressed concerns or objections
 - The Board of SVMWC passed a Resolution expressing a desire to transfer with clear language showing they understand the action
 - The allocation will be pumped regardless of GMA's actions here today
 - Moving the pumping from an area of limited recharge to an area with better recharge and high water levels
 - Crestview respectfully requests the Executive Committee approve the transfer and place on the Agenda for the next GMA Meeting on December 4, 2013, with a recommendation to approve.
- 