

NOTICE AND AGENDA OF MEETING

GROUNDWATER SUSTAINABILITY AGENCY
FOR THE CENTRAL MANAGEMENT AREA
IN THE SANTA YNEZ RIVER GROUNDWATER BASIN

WILL BE HELD
AT 10:00 A.M., MONDAY, AUGUST 24, 2020

TELECONFERENCE MEETING ONLY – NO PHYSICAL MEETING LOCATION
PUBLIC PARTICIPATION DIAL-IN NUMBER: 1-267-866-0999
PASSCODE: 7739 13 1176

Teleconference Meeting During Coronavirus (COVID-19) Emergency: As a result of the COVID-19 emergency and Governor Newsom’s Executive Orders to protect public health by issuing shelter-in-home standards, limiting public gatherings, and requiring social distancing, this meeting will occur solely via teleconference as authorized by and in furtherance of Executive Order Nos. N-29-20 and N-33-20.

Important Notice Regarding Public Participation in Teleconference Meeting: Those who wish to provide public comment on an Agenda Item, or who otherwise are making a presentation to the GSA Committee, may participate in the meeting using the dial-in number and passcode above. Those wishing to submit written comments instead, please submit any and all comments and materials to the GSA via electronic mail at bbuelow@syrwcd.com. All submittals of written comments must be received by the GSA no later than 5:00 p.m. on Friday, August 21, 2020, and should indicate “**August 24, 2020 GSA Meeting**” in the subject line. To the extent practicable, public comments and materials received in advance pursuant to this timeframe will be read into the public record during the meeting. Public comments and materials not read into the record will become part of the post-meeting materials available to the public and posted on the SGMA website.

In the interest of clear reception and efficient administration of the meeting, all persons participating in this teleconference are respectfully requested to mute their phones after dialing-in and at all times unless speaking.

AGENDA

- I. Call to Order
- II. Introductions and review of SGMA in the Santa Ynez River Valley Basin
- III. Additions or Deletions to the Agenda
- IV. Public Comment (Any member of the public may address the Committee relating to any non-agenda matter within the Committee’s jurisdiction. The total time for all public participation shall not exceed fifteen minutes and the time allotted for each individual shall not exceed five minutes. No action will be taken by the Committee at this meeting on any public item.)
- V. Review and consider approval of meeting minutes of May18, 2020
- VI. Receive CMA GSA Financial update and consider approval of CMA Warrant List
- VII. Receive update and memo from CMA Citizen Advisory Group
- VIII. Receive Staff memo and overview on adjustments to Management Area Boundaries
- IX. Receive update/slide presentation from Stetson Engineers on GSP activities in the CMA
 - a. Stakeholder Outreach

- b. Hydrogeologic Conceptual Model
 - c. Water Budget
 - d. Groundwater Conditions
 - e. Numeric Groundwater Model
 - f. GSP Schedule Update
- X. Receive update on Aerial Electro-Magnetic Survey of CMA
 - XI. Received Correspondence
 - XII. Next “Special” CMA GSA Meeting: Monday, October 12, 2020, 10:00 AM. Notice will be sent on whether the meeting will be in person or held via conference call
 - XIII. Next “Regular” CMA GSA Meeting: Monday, November 16, 2020, 10:00 AM. Notice will be sent on whether the meeting will be in person or held via conference call
 - XIV. CMA GSA Committee requests and comments
 - XV. Adjournment

[This agenda was posted 72 hours prior to the scheduled meeting at 3669 Sagunto Street, Suite 101, Santa Ynez, California, and <https://www.santaynezwater.org> in accordance with Government Code Section 54954. In compliance with the Americans with Disabilities Act, if you need special assistance to review agenda materials or participate in this meeting, please contact the Santa Ynez River Water Conservation District at (805) 693-1156. Notification 72 hours prior to the meeting will enable the GSA to make reasonable arrangements to ensure accessibility to this meeting.]

DRAFT MEETING MINUTES

Groundwater Sustainability Agency for the Central Management Area in the Santa Ynez River Groundwater Basin May 18, 2020

A regular meeting of the Groundwater Sustainability Agency (GSA) for the Central Management Area (CMA) in the Santa Ynez River Groundwater Basin was held on Monday, 18 May 2020. As a result of the COVID-19 emergency and Governor Newsom's Executive Orders to protect public health by issuing shelter-in-home standards, limiting public gatherings, and requiring social distancing, this meeting occurred solely via teleconference as authorized by and in furtherance of Executive Order Nos. N-29-20 and N-33-20.

GSA Committee Directors Present: Ed Andrisek, Art Hibbits

Alternate GSA Committee Director Present: Cynthia Allen

Staff Present: Bill Buelow, Rose Hess, Amber Thompson, Kevin Walsh, Matt Young

Others Present: Zoe Carlson (Dudek), Maygan Cline (GeoSyntec), Lindsey Coakley, Larry Lahr, Curtis Lawler (Stetson Engineers), Jeannette Lombardo, Miles McCammon (Stetson Engineers), Jeff Newton, Tim Nicely (GSI), Anita Regmi (DWR)

I. Call to Order and Roll Call

GSA Committee Director Andrisek called the meeting to order at 10:06 a.m. and welcomed all in attendance.

II. Introductions and Review of SGMA in Santa Ynez River Valley Basin

Mr. Buelow announced names of all phone attendees.

Mr. Buelow reviewed history of the Sustainable Groundwater Management Act (SGMA) requirements and what has been completed so far in the Santa Ynez River Basin including the creation of the three Groundwater Sustainability Agencies (GSAs) in the Basin (EMA, CMA, WMA), securing Department of Water Resources (DWR) Prop. 1 Grant (Grant) funding, hiring Consultants, coordinating efforts between the eight agencies participating in the three GSAs, and establishing a Citizen Advisory Group (CAG) in each of the Management Areas of the Basin.

III. Additions or Deletions, if any, to the Agenda

No additions or deletions were made.

IV. Public Comment

There was no public comment.

V. Review and Approve Minutes

GSA Committee Director Andrisek submitted the minutes of the meeting of February 24, 2020 for GSA Committee approval.

GSA Committee Director Hibbits made a MOTION to approve the minutes. GSA Committee Director Andrisek seconded the motion and it passed unanimously by Roll Call vote.

VI. Receive CMA GSA financial update and approve CMA Warrant Lists

Mr. Buelow presented the financial reports of FY 2019-20 Periods 7 through 9 (through March 31, 2020) and the Warrant Lists for January, February and March 2020 for GSA Committee review. There were no comments.

The GSA Committee unanimously approved the January, February and March 2020 Warrant Lists as presented (Nos. 1010 – 1012). GSA Committee Director Hibbits made a MOTION to approve the warrant lists and financial reports as submitted. GSA Committee Director Andrisek seconded the motion and it passed unanimously by Roll Call vote.

VII. Receive update on Intra-Basin Administrative Agreement

Mr. Buelow gave an update on the Intra-Basin Administrative Agreement for Implementation of the Sustainable Groundwater Management Act in the Santa Ynez River Valley Groundwater Basin (Agreement) stating that it had been endorsed by all three GSAs and adopted by all eight GSA Member Agencies in the Basin and is now effective. Discussion followed.

VIII. Receive update on GSP activities in the CMA and Basin

Ms. Cline, Geosytec Consultants, along with Curtis Lawler and Miles McCammon, Stetson Engineers, and Zoe Carlson, Dudek, presented an update on the consultants GSP activities in the CMA GSA. The presentation included an update of consultant team activities since the last GSA Committee meeting in February 2020. The presentation included a SGMA overview, GSP milestones timeline, community outreach, review of Draft Technical Memorandum of Data Compilation and Management and review of Draft Technical Memorandum of 3D Geologic Model for the Santa Ynez River Valley Groundwater Basin. The consultants reviewed newly initiated work, ongoing activities and the next steps to create a SGMA compliant GSP for the CMA GSA.

There was public comment, GSA Committee Member, consultant and staff discussion throughout the presentation.

- Ms. Lombardo, American Agri-Women, asked about the reliability of data provided by SkyTEM survey and cost for this basin. Mr. Tim Nicely, GSI, commented that his company has been involved with SkyTEM in other areas of California with positive results in imaging geology including confirmation that SkyTEM data matched existing data. Mr. Buelow replied that this approach will give more widespread data for close

to cost of installing only a couple monitoring wells with receiving grant covering almost \$300,000.

- Ms. Lombardo asked about outreach to landowners regarding the SkyTEM survey. Ms. Cline replied that a Newsletter has been developed to be sent to public on municipal water service or having a registered well.
- Mr. Jeff Newton asked about field crews working to collect water level data. Ms. Cline advised that field crews are not measuring water levels but are focusing on groundwater well locations, surveying measurement point and ground surface.

a. Draft Technical Memorandum of Data Compilation and Management

Mr. Buelow presented the Draft Technical Memorandum of Data Compilation and Management. He reported that it is intended as a contractual document to document technical tasks completed by the consultant and includes very technical terms.

b. Draft Technical Memorandum of 3D Geologic Model for the Santa Ynez River Valley Groundwater Basin

Mr. Buelow presented the Draft Technical Memorandum of 3D Geologic Model for the Santa Ynez River Valley Groundwater Basin. He reported it has very technical terms and is not intended for the public. It is intended as a contractual document to document technical tasks completed by the consultant.

GSA Committee Director Hibbits made a MOTION to forward both Memorandums to the Citizen Advisory Group (CAG) to review and report back to the CMA GSA Committee. Director Andrisek seconded the motion and it passed unanimously.

IX. Receive update on Proposition 68 Grand Award for Aerial Electro-Magnetic Survey of CMA

Mr. Buelow announced Santa Ynez River Water Conservation District, on behalf of the CMA and WMA portions of the Basin, was awarded a \$296,000 grant with requirement of about \$100,000 to be spent by the CMA and WMA GSAs toward SkyTEM survey of the CMA and WMA. The flight path will be a planned route and notification will be made to landowners as well as presentations and outreach made to the public. There was no public comment.

X. Receive update of CMA Outreach Efforts

Mr. Buelow announced that based on community outreach discussions by the CMA GSA CAG and feedback from public, consultants, with staff input, created a Quarterly Newsletter. The first edition contains a basic SGMA overview for those members of the public not familiar with SGMA. The newsletter will be translated into Spanish and will be distributed by participating agencies in the Basin this summer.

GSA Committee Director Hibbits made a MOTION to forward the newsletter and SkyTEM information on **SantaYnezWater.org** website to the Citizen Advisory Group

(CAG) to review before publication and report back to the CMA GSA Committee. Director Andrisek seconded the motion and it passed unanimously.

XI. Next CMA Meeting: Monday, August 24, 2020, 10:00 AM, location TBD

Mr. Buelow announced that the next CMA GSA Committee Meeting will be Monday, August 24, 2020, 10:00 AM, location TBD. Due to COVID-19 restrictions, it may be held via teleconference call.

XII. CMA GSA Committee requests and comments

GSA Committee Director Andrisek thanked Ms. Cline for the presentation and easy to understand presentation.

GSA Committee Director Hibbits thanked staff for adding page numbers to the entire committee meeting packet.

GSA Committee Director Hibbits asked with current COVID-19 restrictions are we on track with timelines in place or do we need to request Governor to extend the deadline. Ms. Anita Regmi, DWR, reported there are discussions internally but making changes to the Act is a legislative process and the California Legislature needs to change deadlines. However, DWR can accept plans after deadlines but cannot change dates. Mr. Buelow stated a group of GSAs are lobbying legislation for a change to the SGMA statute. However, at this point the GSAs in the Santa Ynez Basin are moving forward with the timeline as if no changes will be made.

GSA Committee Director Hibbits requested that earthquake fault lines in Basin be added to the next agenda to address any concerns as there have not been any discussions on this matter to date.

XIII. Adjournment

GSA Committee Director Hibbits MOVED to adjourn the meeting at 11:33 a.m. GSA Committee Director Andrisek seconded the motion and it passed unanimously.

Ed Andrisek, Chairman

William J. Buelow, Secretary

SYRWCD CMA
BALANCE SHEET
JUNE 30, 2020

Assets

Current Assets

Mechanics Bank #5472	\$281,597.55	

TOTAL Current Assets		281,597.55

TOTAL Assets		\$281,597.55
		=====

Liabilities AND Equity

Current Liabilities

Accounts Payable	25,185.85	

TOTAL Current Liabilities		25,185.85

TOTAL Liabilities		25,185.85

Net Position

Retained Earnings	115,587.14	
Retained Earnings-Current Year	140,824.56	

TOTAL Net Position		256,411.70

TOTAL Liabilities AND Equity		\$281,597.55
		=====

SYRWCD CMA
INCOME STATEMENT
FOR THE 12 PERIODS ENDED JUNE 30, 2020

	QUARTER TO DATE		YEAR TO DATE	
	ACTUAL	PERCENT	ACTUAL	PERCENT
Revenue:				
Revenue				
Operating Assessments	\$26,286.02	23.7 %	205,583.59	60.3
Grant Revenue	84,645.02	76.3	135,207.43	39.7
TOTAL Revenue	110,931.04	100.0	340,791.02	100.0
TOTAL Revenue	110,931.04	100.0	340,791.02	100.0
Gross Profit	110,931.04	100.0	340,791.02	100.0
Expenses:				
Operating Expenses				
Outside Staff Support	521.67	.5	821.67	.2
Public Relations	7.06	.0	7.06	.0
TOTAL Operating Expenses	528.73	.5	828.73	.2
Consultants				
General Consultant	.00	.0	188.83	.1
Stakeholder Engagement	26,939.20	24.3	58,145.38	17.1
GSP - DMS	4,353.59	3.9	66,575.92	19.5
GSP - HCM	44,258.35	39.9	50,990.85	15.0
GSP - Water Budget, GW Models	14,317.00	12.9	21,914.75	6.4
GSP - Monitor/Measure	1,322.00	1.2	1,322.00	.4
TOTAL Consultants	91,190.14	82.2	199,137.73	58.4
TOTAL Expenses	91,718.87	82.7	199,966.46	58.7
Net Income from Operations	19,212.17	17.3	140,824.56	41.3
Earnings before Income Tax	19,212.17	17.3	140,824.56	41.3
Net Income (Loss)	\$19,212.17	17.3 %	140,824.56	41.3

**GROUNDWATER SUSTAINABILITY AGENCY FOR THE CENTRAL MANAGEMENT AREA (CMA)
IN THE SANTA YNEZ RIVER VALLEY GROUNDWATER BASIN**

APRIL 2020 WARRANT LIST FOR COMMITTEE APPROVAL

<u>NUMBER</u>	<u>DATE</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
1013	04/08/20	Santa Ynez River Water Conservation District	1/3 of GSA Member Agency Account Tracking setup & GoDaddy "SantaYnezWater.org" 1 year domain	\$ 228.73
1014	04/08/20	Stetson Engineers	February 2020 Engineering Service (Task Order #2)	\$ 10,858.36
1015	04/08/20	Valley Bookkeeping	FY 2019-20 3rd Quarter Bookkeeping (Jan., Feb., March 2020)	\$ 150.00
MONTH TOTAL				\$ 11,237.09

MAY 2020 WARRANT LIST FOR COMMITTEE APPROVAL

<u>NUMBER</u>	<u>DATE</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
1016	05/12/20	Stetson Engineers	March 2020 Engineering Service (Task Order #2)	\$ 41,334.93
MONTH TOTAL				\$ 41,334.93

JUNE 2020 WARRANT LIST FOR COMMITTEE APPROVAL

<u>NUMBER</u>	<u>DATE</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
1017	06/15/20	Stetson Engineers	April 2020 Engineering Service (Task Order #2)	\$ 13,961.00
MONTH TOTAL				\$ 13,961.00

TOTAL THIS QUARTER: \$ 66,533.02

**GROUNDWATER SUSTAINABILITY AGENCY FOR THE CENTRAL MANAGEMENT AREA (CMA)
IN THE SANTA YNEZ RIVER VALLEY GROUNDWATER BASIN**

JULY 2020 WARRANT LIST FOR COMMITTEE APPROVAL

<u>NUMBER</u>	<u>DATE</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
1018	07/13/20	Stetson Engineers	May 2020 Engineering Service (Task Order #2)	\$ 25,035.85
1019	07/13/20	Valley Bookkeeping	FY 2019-20 4th Quarter Bookkeeping (April, May, June 2020)	\$ 150.00
MONTH TOTAL * \$				25,185.85
				* FY 19-20

**CENTRAL MANAGEENT AREA
CITIZEN ADVISORY GROUP
MEMORANDUM**

DATE: August 24, 2020

TO: CMA GSA Committee

FROM: CMA Citizen Advisory Group
(representative Mark Preston)

SUBJECT: June Meetings to Discuss Newsletter and Two Technical Memoranda

Attendees

CMA CAG Members in attendance June 4, 2020: Sean Diggins, Jeanette Lombardo, Mark Preston, Jeff Newton, Larr Lahr, Sharyne Merritt

Consultants and Staff in attendance June 4, 2020: Bill Buelow (SYRWCD), Zoe Carlson (Dudek), Rose Hess (City of Buellton), Curtis Lawler (Stetson Engineers), Kevin Walsh (SYRWCD) and Matt Young (County of Santa Barbara)

CMA CAG Members in attendance June 18, 2020: Sean Diggins, Jeanette Lombardo, Mark Preston, Jeff Newton, Larr Lahr

Consultants and Staff in attendance June 18, 2020: Bill Buelow (SYRWCD), Maygan Cline (Geosyntec), Curtis Lawler (Stetson Engineers) and Matt Young (County of Santa Barbara)

Purpose

The CMA GSA Committee requested staff for the GSA agencies to coordinate meetings of the CMA CAG. Through a coordinated effort, the CAG held two meetings via teleconference due to the COVID-19 restrictions. The meetings were held on June 4, and June 18, 2020. The purpose of the meetings was for the CMA CAG (CAG) to review the Draft SGMA Newsletter, the Draft Technical Memorandum (TM) for Regional Geology and 3D Geologic Model for the Santa Ynez River Valley Groundwater Basin and the Draft Phase 1 TM for Data Compilation for the Santa Ynez River Groundwater Basin Data Management System (WMA and CMA). The Newsletter and the two TMs were prepared by the Stetson Engineer's team. A copy of the documents was made available to the CAG prior to the meeting at www.SantaYnezWater.org.

CAG Comments to the Newsletter:

- The CAG generally accepted the newsletter as proposed, with two comments
- Comment 1 was language inclusion, specifically Spanish
- Comment 2 was the inclusion of a contact phone number

Both comments were addressed in the final product as mailed.

CAG Comments on the Draft Data Compilation Technical Memorandum (June 4, 2020):

- CAG received the Technical Memorandum prepared by Stetson Engineers (Stetson).
- Jenette Lombardo commented on land-owner privacy with certain types of well data
- The CAG asked if the public can submit other known resources to the Library of Reports. Staff agreed this would be helpful and to coordinate with Bill Buelow.
- Jeannette Lombardo advised that the GSA needs to document everything, to substantiate conclusions and be transparent. Ms. Lombardo also questioned the techniques/methods/cost of the AEM survey.
- Jeff Newton commented that the water-level data needs to be reviewed to ensure that the data from individual aquifers are being evaluated together.
- Mark Preston requested a rewrite of Data Collection Goals #6 on page 2. The suggested rewrite was for clarity, not content. Goal 6 is the summarized purpose of the four-year journey. Consultants agreed to review the language and revise for clarity.

CAG Comments on the Draft Regional Geology Technical Memorandum (June 18, 2020):

- Stetson was represented by Curtis Lawler (Stetson) and Maygan Cline (Geosyntec), both of whom reviewed the memo with the CAG.
- The May 12 document from Geosyntec to Stetson Engineering documented the completion of the three-dimensional (3D) visualization model of the CMA geology.
- The memorandum was a technical discussion of the 3D geologic model with context for the entire river basin.
- The question arose regarding the WMA/CMA and the EMA. It was noted that the EMA has a different consultant preparing the Groundwater Sustainability Plan. Coordination with the CMA is occurring with assistance by SYRWCD and Stetson to ensure boundaries of the two areas match in the models.
- There was discussion that the interface of the CMA and EMA would not interfere with the overall integration of the data from three different Agencies.
- There were some minor inconsistencies on page 4 regarding the Careaga (Tca) formation depth in CMA (800-1300). Ms. Cline said she would revisit page 4 and revise, as necessary.
- The CAG requested that geologic symbols be added for clarity to the maps, cross-sections, and stratigraphic columns.

SANTA YNEZ RIVER VALLEY GROUNDWATER BASIN

Mailing Address: P.O. Box 719

Santa Ynez, CA 93460

Phone: (805) 693-1156

MEMORANDUM

DATE: August, 2020

TO: WMA, CMA and EMA GSA
Committees

FROM: GSA Agency Staff

SUBJECT: Management Area Boundary Modifications

Background

This memorandum describes proposed changes to the internal boundaries of the three management areas (MA) in the Santa Ynez River Valley Groundwater Basin¹ (SYRVGB). The proposed changes to the CMA-EMA boundary are based on a request from the City of Solvang and a further analysis of parcel boundaries and hydrogeologic information. The proposed changes to the CMA-WMA boundary are based on an analysis of the hydrologic and hydrogeologic data by Stetson.

The two consultant teams coordinated together on the proposed changes. Agency Staff from all eight agencies in the Basin reviewed the proposed boundary changes. As the Groundwater Sustainability Plans (GSP) and associated technical memoranda are currently being prepared, the timing of the proposed changes will allow the consultants to proceed with preparing the GSP figures with the new boundaries. The proposed changes are shown in Figures 1 and 2. No changes to the DWR Bulletin 118¹ basin boundaries are proposed herein. None of the proposed changes are considered “material changes” as defined by DWR. Table 1 below summarizes the

¹ The extents of the SYRVGB were determined by the Department of Water Resources in Bulletin 118 (“DWR”) and are based on regional geology studies. The SYRVGB is identified as California basin 3-15.

total acres of the SYRVGB and MAs based on original boundaries and proposed revised boundaries.

Table 1. Area Within Original and Revised Boundaries of the WMA, CMA and EMA (Acres)

	Area within Original Boundaries (Acres)	Area within Revised Boundaries (Acres)	% change
Western Management Area (WMA)	85,300	85,600	0%
Central Management Area (CMA)	21,200	21,000	1%
Eastern Management Area (EMA)	96,500	96,400	0%
Total Santa Ynez River Valley Groundwater Basin	203,000	203,000	0%

Proposed Change to CMA-EMA Internal Boundary

The proposed change to the CMA-EMA boundary adjusts the existing boundary between the CMA and EMA to align with parcel and hydrogeologic boundaries. This change is based on updated Santa Barbara County Assessor parcels maps. Additionally, the existing MA boundary split several parcels. The revised boundary does not split any parcels and follows a topographic and geologic break at the base of Skytt Mesa, on the western side of the City of Solvang. The new boundary coincides with the contact between several geologic units which will simplify water budget calculations. All parcels included in the boundary change were previously part of a GSA. No additional land is subject to the Sustainable Groundwater Management Act (SGMA) as a result of the boundary change, therefore not considered a material change by DWR. Figure 1 shows the original and draft proposed boundary between the CMA-EMA.

Proposed Change to WMA-CMA Internal Boundary

The proposed change to the WMA and CMA boundary is based on the following:

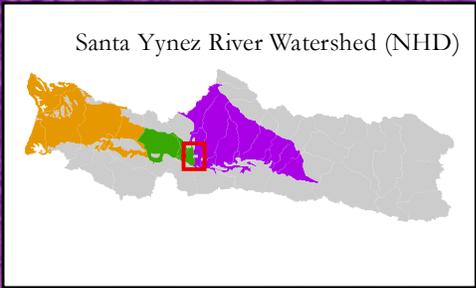
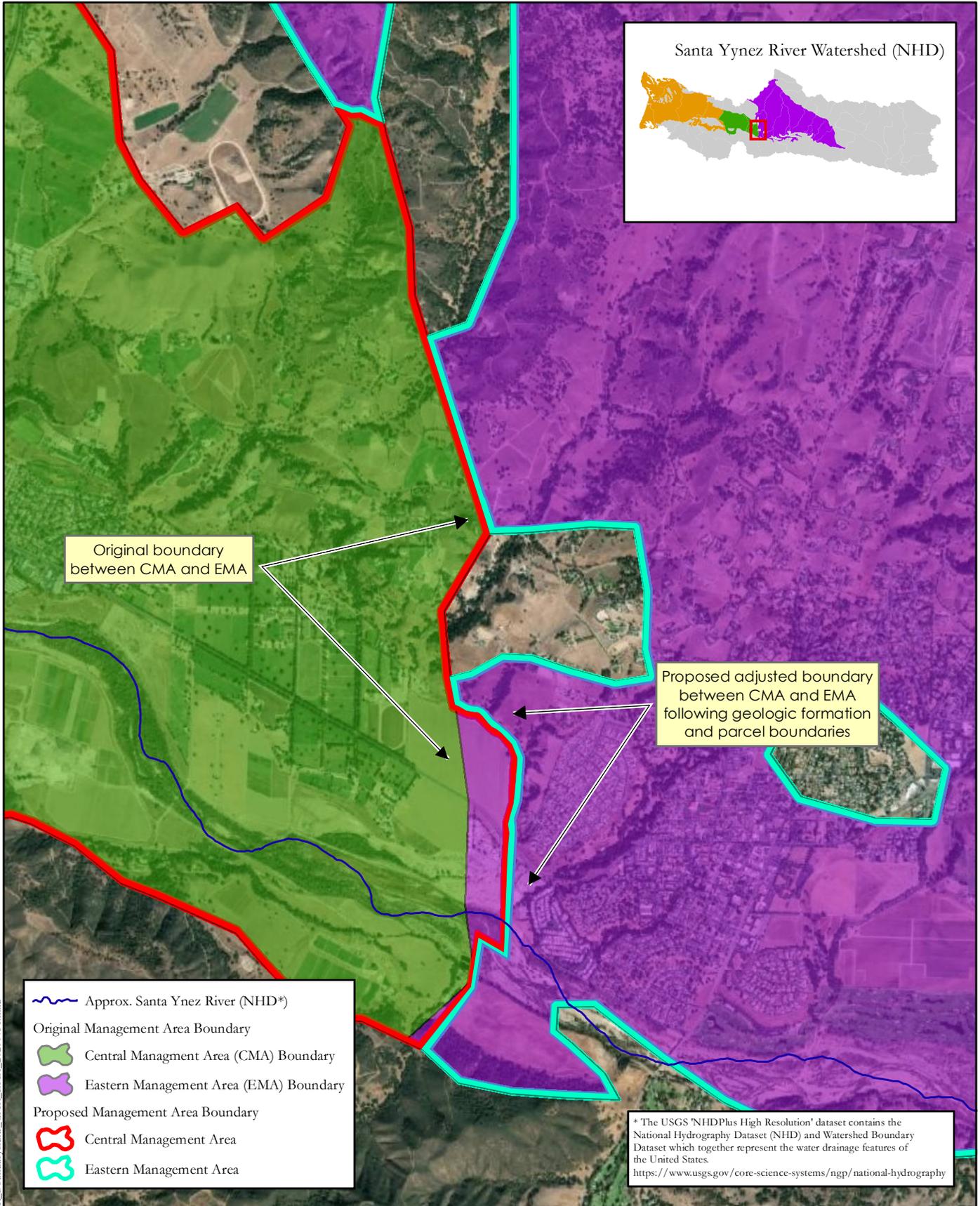
- 1) Aligns the MA boundary with the surface water drainage, the local topography and hydrogeology.
- 2) Encloses a large portion of the Careaga formation within the CMA, which aids in calculations for the water budget.

- 3) Aligns the WMA-CMA GSA boundary to the SYRWCD boundary in the Santa Rita and Buellton Uplands.
- 4) Shortens the boundary between the WMA-CMA, which will simplify water budget calculations.
- 5) Moves the MA boundary at the Santa Ynez River near to a former USGS gauge location (ID 11131000) and a bedrock high. The new boundary is less arbitrary than the previous boundary and will make the calculation of groundwater and surface water flux between the CMA and WMA easier to quantify.

Figure 2 shows the original and draft proposed boundary between the WMA-CMA. All parcels included in the boundary change were previously part of a GSA. No additional land is subject to the Sustainable Groundwater Management Act (SGMA) because of the proposed boundary change, and therefore not considered a material change by DWR.

Once the GSAs have concurred with the change, Staff will formerly update the Geographic Information System (GIS) files and upload the revised GIS files to DWRs SGMA Portal with a letter documenting the changes.

Staff recommendation: Staff recommends that the WMA, CMA and EMA GSAs endorse the proposed boundary changes.



Original boundary between CMA and EMA

Proposed adjusted boundary between CMA and EMA following geologic formation and parcel boundaries

-  Approx. Santa Ynez River (NHD*)
-  Original Management Area Boundary
-  Central Management Area (CMA) Boundary
-  Eastern Management Area (EMA) Boundary
-  Proposed Management Area Boundary
-  Central Management Area
-  Eastern Management Area

* The USGS 'NHDPlus High Resolution' dataset contains the National Hydrography Dataset (NHD) and Watershed Boundary Dataset which together represent the water drainage features of the United States.
<https://www.usgs.gov/core-science-systems/ngp/national-hydrography>

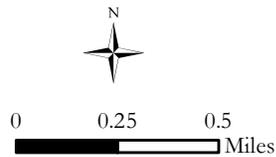
Document Path: I:\jpe2710\Draft_BoundaryEdits_CMA_EMA_20200731.mxd

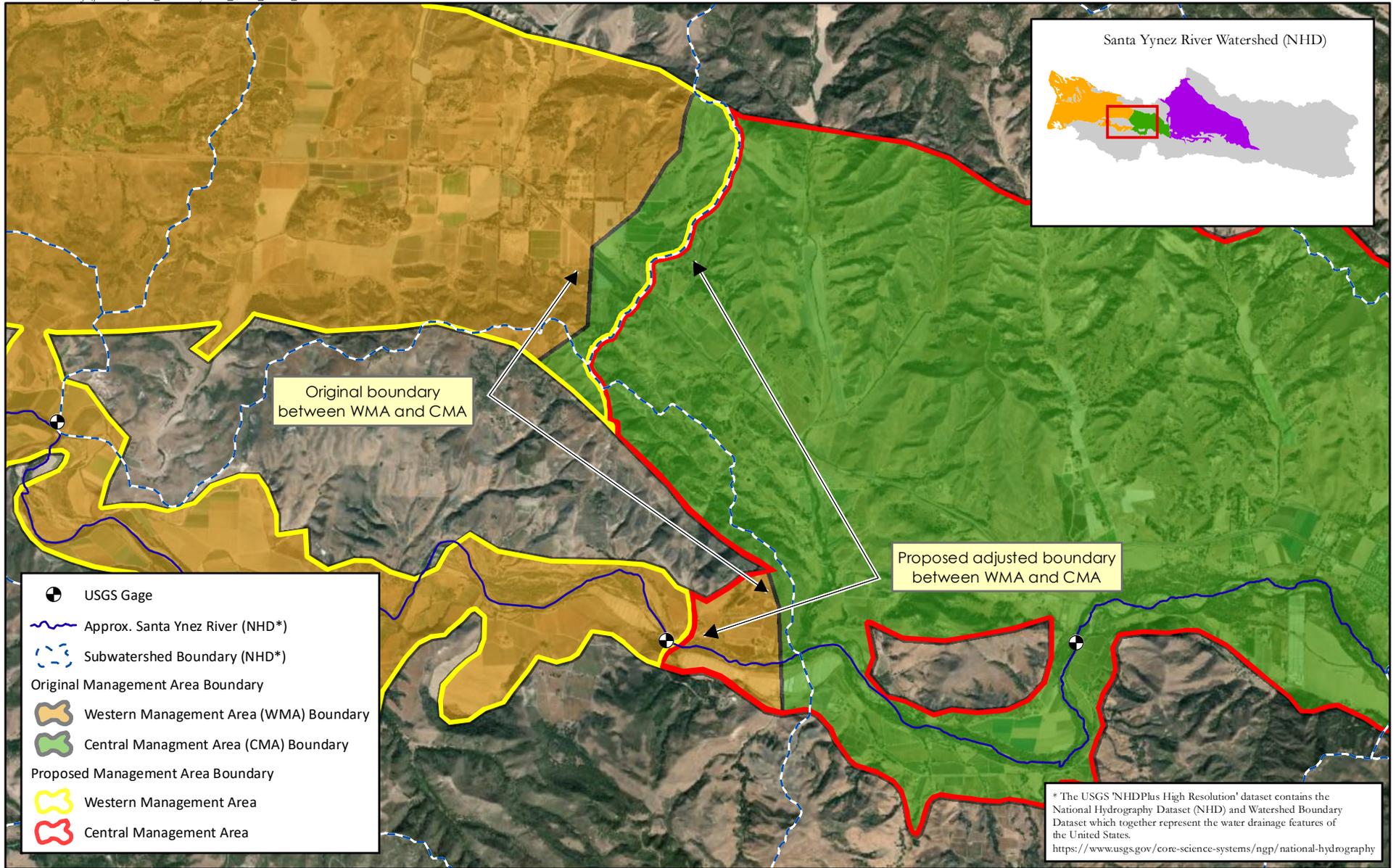


DRAFT
7/31/2020

**PROPOSED BOUNDARY ADJUSTMENTS
CENTRAL AND EASTERN MANAGEMENT AREAS**

Proposed adjusted boundary between CMA and EMA following geologic water-bearing formation boundary and parcels; No exterior DWR Bulletin 118 boundaries are changed.





DRAFT
7/31/2020

PROPOSED BOUNDARY ADJUSTMENTS CENTRAL AND WESTERN MANAGEMENT AREAS

0 0.5 1 Miles



This map proposes that internal management area boundaries within the Santa Ynez River Groundwater Basin be redrawn to follow watershed boundaries more accurately and to utilize a historical USGS gage location; no exterior DWR Bulletin 118 boundaries are changed.

CMA

Santa Ynez River Valley Groundwater Basin
Central Management Area
Groundwater Sustainability Agency

August 2020 Status Update



STETSON
ENGINEERS INC.

DUDEK

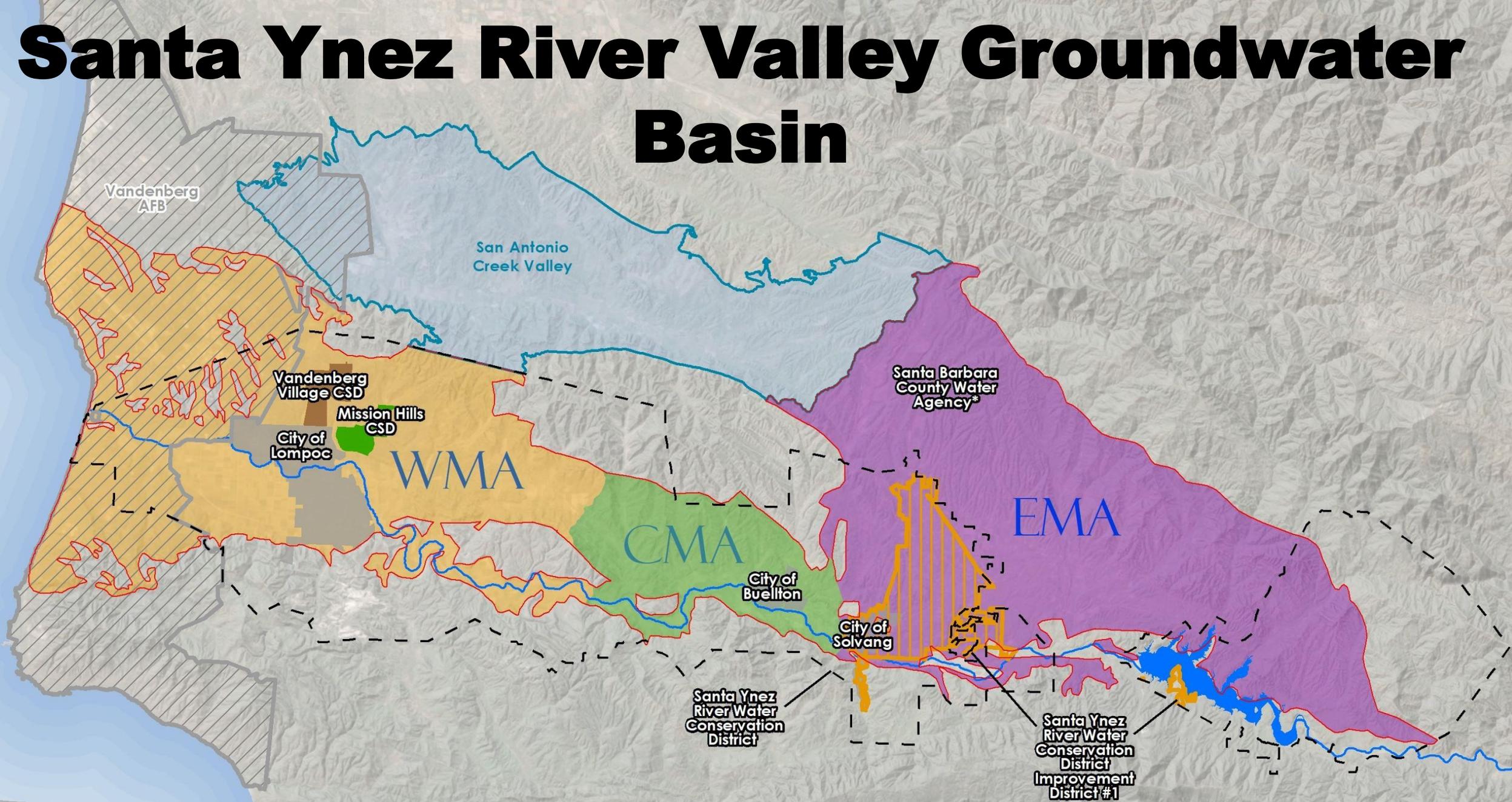
Geosyntec
consultants

engineers | scientists | innovators

Agenda

1. SGMA & GSA Overview
2. Timeline & Milestones
3. Consultant Team Progress
4. Next Steps
5. Schedule
6. Questions

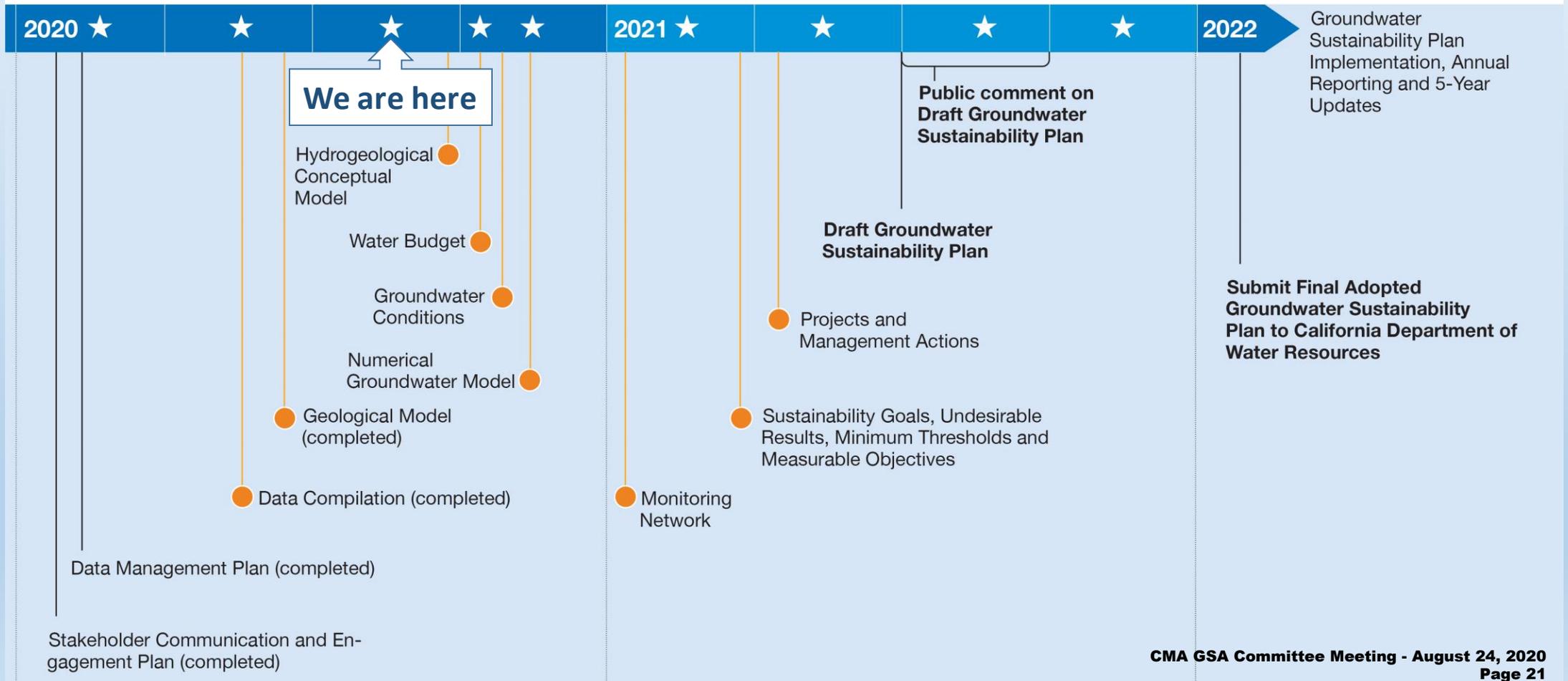
Santa Ynez River Valley Groundwater Basin



Timeline and Milestones

Groundwater Sustainability Plan Development Milestones

★ Groundwater Sustainability Agency Committee Public Meeting ● Technical Memorandum



Consultant Team Progress

Geosyntec consultants

TO: **Sisquoc Engineers**

SUBJECT: **DRAFT Technical Memorandum Regional Geology and 3D Geologic Model for the Santa Ynez River Valley Groundwater Basin**

PREPARED BY: **Faye Lantz, Senior Professional Geologist, Senior Geologist**
Mark Cervetti, Senior Principal Hydrogeologist

DATE: **May 12, 2020**

1. INTRODUCTION

This technical memorandum is prepared as part of the hydrologic conceptual model (HCM) for the Western and Central Management Areas (WMA and CMA), respectively (Groundwater Sustainability Agency (GSA) within the larger Santa Ynez River Valley Groundwater Basin (SYRVGB). This technical memorandum focuses on the geologic units within the SYRVGB, and the subsurface geologic model built to visualize these units. The geologic characteristics of these units are then considered in a separate model which provides principal aquifers within the basin. This technical memo identifies the modeled geologic units and existing literature that identifies the water-bearing tendency of each unit but does not include an in-depth principal aquifer analysis or discussion.

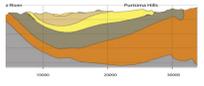
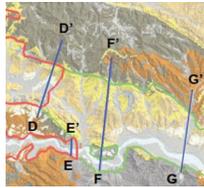
The HCM is the conceptual understanding of the physical characteristics related to the regional hydrology, land use, geologic units and structures, groundwater quality, principal groundwater aquifers, and principal aquifers of the WMA and CMA portions of the SYRVGB (basin). Understanding the regional geologic setting and structural configuration is integral to conducting subsequent technical analyses of the basin, including presence, absence and correlation of principal aquifers, identification of appropriate monitoring networks, regional groundwater modeling, and identification of project and management actions in accordance with the Sustainable Groundwater Management Act (SGMA).

A detailed subsurface three-dimensional model of the geologic units and structures (model) that comprise the basin was developed from publicly available published reports and data sources from the WMA and CMA GSAs. The model is intended for use as a visualization tool to communicate the regional geologic setting to the WMA and CMA GSAs, as well as the public, in accordance with SGMA. Additionally, the model will be used in concert with the Water Budget and the Data Management System to identify potential data gaps within the basin where additional data are needed.

This technical memorandum does not include the Eastern Management Area (EMA) within the SYRVGB. The EMA GSA is supported by a different consulting team.

Geosyntec | Sisquoc | 1

Section Locations



Sustainable Groundwater Management Quarterly Newsletter No. 1 June 2020

Santa Ynez River Valley Groundwater Basin (SYRVGB)

The Sustainable Groundwater Management Act (SGMA), signed into law in 2014, created a new framework for groundwater management in California. SGMA established a new structure for local groundwater management through Groundwater Sustainability Agencies (GSAs). The SYRVGB has three management areas each with their own GSA Committee comprised of local participating Agencies:

- Western Management Area (WMA) GSA Committee**
 - Santa Ynez River Water Conservation District • City of Lompoc
 - Mission Hills CSD • Vandenberg Village CSD
 - Santa Barbara County Water Agency
- Central Management Area (CMA) GSA Committee**
 - Santa Ynez River Water Conservation District • City of Buellton
 - Santa Barbara County Water Agency
- Eastern Management Area (EMA) GSA Committee**
 - Santa Ynez River Water Conservation District • City of Solvang
 - Santa Barbara County Water Agency • Santa Ynez River Water Conservation District, Improvement District No. 1

Each GSA Committee is preparing its own Groundwater Sustainability Plan (GSP) that will describe the path to groundwater sustainability. The GSPs will determine how much groundwater can be used in the future and could include restrictions on pumping.

All three GSPs will be completed in early 2022. Progress updates will be given in each quarterly GSA committee meeting and draft documents will be available for public review and comment on the website (www.SantaYnezWater.org). Participation by members of the community in developing the GSPs is important and each of the GSA Committees has adopted an outreach and engagement plan to guide the public participation process.

Management Areas and Participating Local Agencies in the SYRVGB

For more information, please visit www.SantaYnezWater.org or call (805) 693-1156 ext. 403

Geological Model Tech Memo

Outreach Newsletter

DMS Tech Memo & Data Collection

DRAFT TECHNICAL MEMORANDUM

3171 E. Francisco Blvd., Suite K • San Rafael, California • 94901
TEL: (415) 457-0701 FAX: (415) 457-1638 e-mail: info@geosyntec.com

TO: **CMA GSA** DATE: **August 15, 2020**

FROM: **Sisquoc Engineers/Geosyntec/Dusk** JOB NO: **2711-03**

RE: **Hydrologic Conceptual Model (HCM)**

TABLE OF CONTENTS

HYDROLOGIC CONCEPTUAL MODEL 5

1.1 CENTRAL MANAGEMENT AREA EXTENTS AND BOUNDARIES 7

1.2 WESTERN MANAGEMENT AREA EXTENTS AND BOUNDARIES 7

1.3 SANTA YNEZ RIVER ALLUVIUM SUBBASINS 7

1.4 BUELLTON PLAIN SUBBASIN 8

2. TOPOGRAPHY AND SURFACE WATER BODIES 8

2.1 DIRECT PRECIPITATION 9

2.1.1 SOILS AND INFILTRATION 9

2.1.2 WATERED AND NON-WATERED SURFACE WATER BODIES 9

2.1.3 WATERSHEDS AND STREAMS 10

2.1.4 WATER IMPORTS 12

2.1.5 WATER EXPORTS 13

2.1.6 TREATED WASTEWATER REUSE 13

3. ADDITIONAL SURFACE WATER AND GROUNDWATER INTERACTIONS 13

3.1 GROUNDWATER USE 14

3.1.1 SANTA YNEZ RIVER ALLUVIUM SUBBASINS 15

3.1.2 LOMPOC PLAIN SUBBASIN 15

3.1.3 BERTON MEADOW SUBBASIN 16

3.1.4 LOMPOC TERRACE SUBBASIN 16

3.1.5 LOMPOC UPLAND SUBBASIN 16

3.1.6 SANTA RITA UPLAND SUBBASIN 16

3.2 AGRICULTURAL LANDS 17

3.3 PASTORAL LANDS 17

3.4 RECREATION AREAS 18

3.5 INDUSTRIAL AREAS 18

3.6 BERTON MEADOW SUBBASIN 18

3.6.1 LOMPOC TERRACE SUBBASIN 19

3.6.2 LOMPOC PLAIN SUBBASIN 19

4. WMA AND AQUIFER GEOLOGY 19

4.1 REGIONAL MOVEMENT AND SETTING 20

4.2 MAPPED SURFACE GEOLOGY 20

Hydrologic Conceptual Model | Page 1

DRAFT HCM Tech Memo

DRAFT TECHNICAL MEMORANDUM

3171 E. Francisco Blvd., Suite K • San Rafael, California • 94901
TEL: (415) 457-0701 FAX: (415) 457-1638 e-mail: info@geosyntec.com

TO: **GSA Agency Staff** DATE: **August 2020**

FROM: **Sisquoc Engineers** JOB NO: **2711-04**

RE: **DRAFT Central Management Area Water Budget for the Santa Ynez River Valley Groundwater Basin Groundwater Sustainability Plan**

This DRAFT Water Budget Technical Memorandum is written for inclusion in a chapter in the Santa Ynez River Valley Groundwater Basin Groundwater Sustainability Plan ("GSP") in accordance with the Sustainable Groundwater Management Act ("SGMA"). The GSP is an interagency collaboration of eight public agencies involved in water resources in Santa Ynez River Valley Groundwater Basin ("SYRVGB"). The SYRVGB is divided into three management areas: Western Management Area ("WMA"), Central Management Area ("CMA"), and Eastern Management Area ("EMA"). The WMA Water Budget Technical Memorandum is prepared by Sisquoc Engineers Project Team (Sisquoc, Geosyntec, and Dusk) for the WMA Groundwater Sustainability Agency ("GSA") in cooperation with CMA and EMA GSAs. Other chapters of the GSP will describe the hydrologic conceptual model, management, coordination, past and previous management plans, and groundwater conditions in the SYRVGB.

TABLE OF CONTENTS

1. WATER BUDGET LAND AREA AND BOUNDARIES

1.1. SANTA YNEZ RIVER GROUNDWATER BASIN

1.2. SANTA YNEZ RIVER WATERSHED

1.3. NEIGHBORING GROUNDWATER BOUNDARIES

2. WATER BUDGET COMPONENTS

2.1. RIVER-BASIN FLOWS

2.1.1. STATE WATER PROJECT

2.1.2. SURFACE WATER INFLOW AND OUTFLOW

2.1.3. GROUNDWATER INFLOW AND OUTFLOW

2.2. GROUNDWATER DISCHARGE/PUMPING

DRAFT Water Budget

DRAFT TECHNICAL MEMORANDUM

3171 E. Francisco Blvd., Suite K • San Rafael, California • 94901
TEL: (415) 457-0701 FAX: (415) 457-1638 e-mail: info@geosyntec.com

TO: **GSA Agency Staff** DATE: **May 5, 2020**

FROM: **Sisquoc Engineers** JOB NO: **2710-11 - Santa Ynez SOMA**

RE: **DRAFT Phase I Data Completion for the Santa Ynez River Groundwater Basin Data Management System (DMA and CMA)**

INTRODUCTION

This memorandum describes the first phase of data compilation collected and entered into the data management system (DMS) developed for the Santa Ynez River Valley Groundwater Basin (SYRVGB) Western Management Area (WMA) and Central Management Area (CMA). This is a first step in developing and implementing a Sustainable Groundwater Management Act (SGMA) plan for these portions of the SYRVGB. It is anticipated that there will be additional phases of data that will be entered into the DMS. After each phase of data entry, this memorandum will be updated.

A description of the DMS was provided in the Data Management Plan (DMP), which included overall goals of the DMS, a description of the DMS platform, and how this addresses the needs of SGMA. This memorandum provides a snapshot view of data collected and entered into the DMS as of March 2020.



Progress Report

3171 E. Francisco Blvd., Suite K • San Rafael, California • 94901
Phone: (415) 457-0701 FAX: (415) 457-1638 Web site: www.geosyntec.com

JN 2710 Land Model Progress Report

The conceptualization and physical extents of the FEMFLOW3D groundwater flow model is being converted to the finite difference MODFLOW-UGM model code (LDMPOC-UGM). The modeling work completed through this billing period are summarized in the following bullet points. The attached table presents the LDMPOC-UGM Model packages and model conversion progress.

- CEN was used to map the FEMFLOW3D model structure into polygons for the UGM model - developing six layers and 20,055 active cells. Cell discretization provided the horizontal extent and vertical elevation for each model cell. The grid system represents the geologic structure of the aquifers in the Lompoc Area.
- All model layers are conveniently specified which allow the model layer types to convert between confined and unconfined depending on the water level conditions.
- Model simulation period was extended from 357 monthly stress periods (January 1983 through September 2012) to 456 monthly stress periods (October 1982 and September 2020).
- FEMFLOW3D hydraulic properties (Kxy, Kz) and specified fluxhead (subflow boundary river, ligand) were translated into MODFLOW-UGM.
- Using USGS hydrographic survey, the Santa Ynez River and 12 tributaries were mapped onto layer 1 model cells to develop the Streamflow Routing package for the model.
- Modeling conference calls were had to streamline model conversion from FEMFLOW3D into MODFLOW-UGM.
- Digital land use maps were compiled for 17 years (every two years from 1984 to 2016). Seven categories were delineated by model cell for assigning recharge and evapotranspiration (Appendix).
- Pumping distribution was developed for 187 alluvial irrigation wells, 7 upland irrigation wells, and 1 residential well. Annual pumping by well was transferred for Lompoc, Mission Hills, and Vandenberg Village wells (Figure 1).

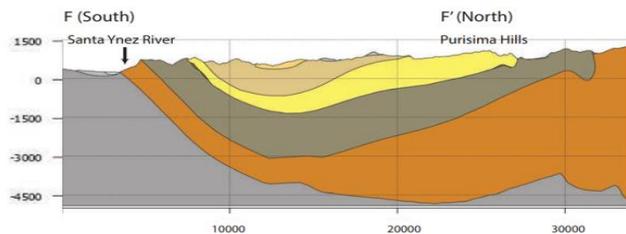
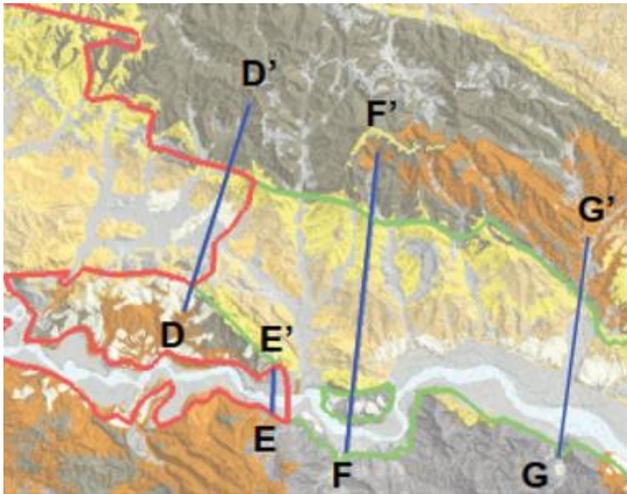
Sisquoc Engineers Inc. | Page 1

CMA GSA Groundwater Modeling Page 22

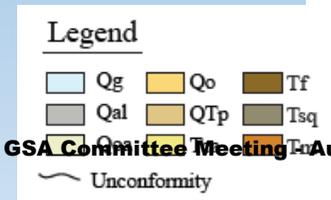
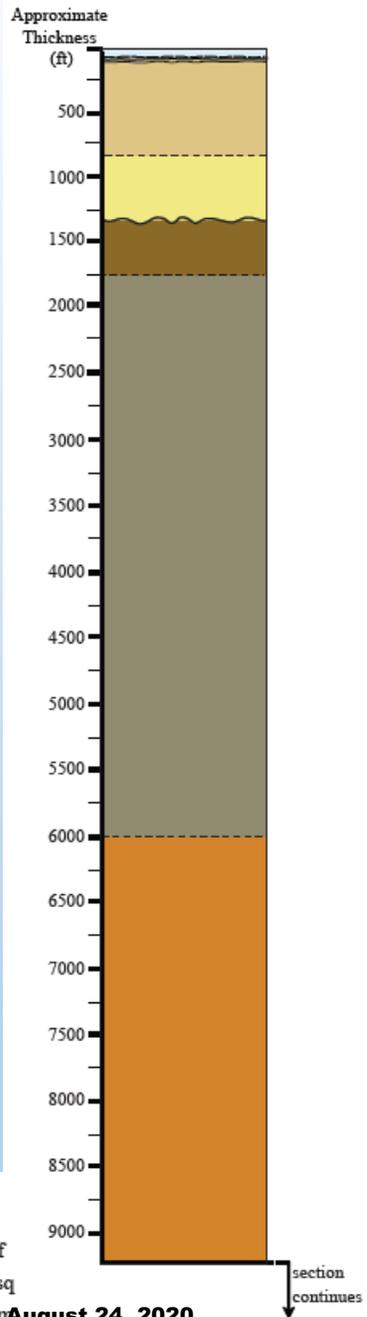
Geologic Model

Technical Memorandum

Section Locations



- Released for CAG and public review
- Comments considered and incorporated
- DRAFT Final submitted to the GSA committee
- SkyTEM data may be used later to refine the model



Outreach & Engagement

Sustainable Groundwater Management Quarterly Newsletter No. 1 June 2020

Santa Ynez River Valley Groundwater Basin (SYRVGB)

The Sustainable Groundwater Management Act (SGMA), signed into law in 2014, created a new framework for groundwater management in California. SGMA established a new structure for local groundwater management through Groundwater Sustainability Agencies (GSAs). The SYRVGB has three management areas each with their own GSA Committee comprised of local participating Agencies:

Western Management Area (WMA) GSA Committee

- Santa Ynez River Water Conservation District • City of Lompoc
- Mission Hills CSD • Vandenberg Village CSD
- Santa Barbara County Water Agency

Central Management Area (CMA) GSA Committee

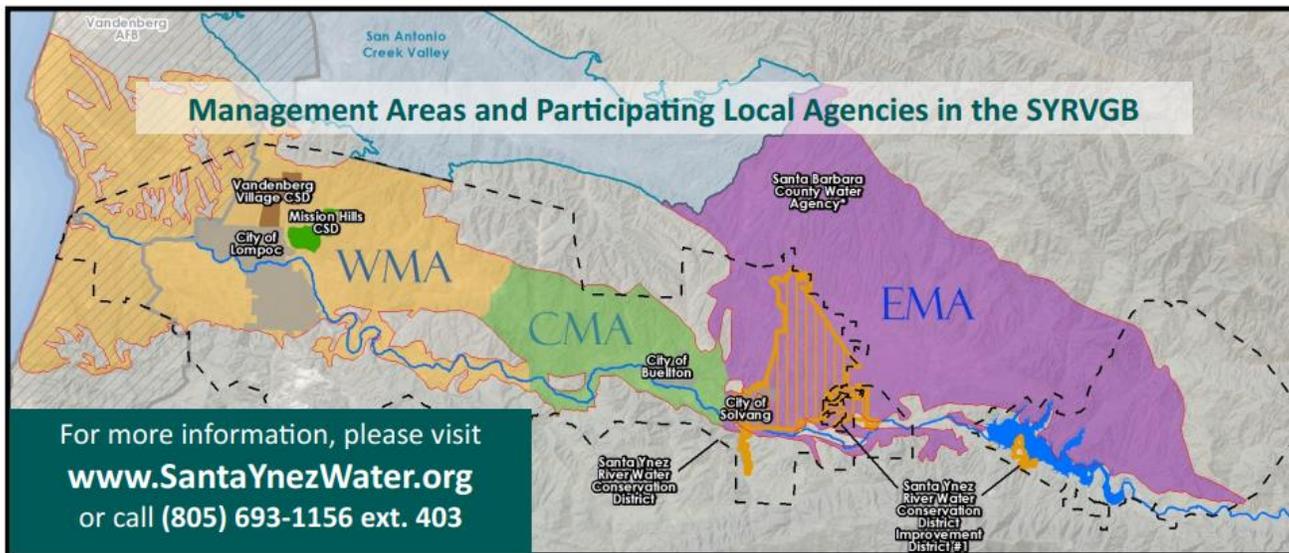
- Santa Ynez River Water Conservation District • City of Buellton
- Santa Barbara County Water Agency

Eastern Management Area (EMA) GSA Committee

- Santa Ynez River Water Conservation District • City of Solvang
- Santa Barbara County Water Agency • Santa Ynez River Water Conservation District, Improvement District No. 1

Each GSA Committee is preparing its own Groundwater Sustainability Plan (GSP) that will describe the path to groundwater sustainability. **The GSPs will determine how much groundwater can be used in the future and could include restrictions on pumping.**

All three GSPs will be completed in early 2022. Progress updates will be given in each quarterly GSA Committee meeting and draft documents will be available for public review and comment on the website (www.SantaYnezWater.org). **Participation by members of the community in developing the GSPs is important and each of the GSA Committees has adopted an outreach and engagement plan to guide the public participation process.**



First Newsletter Created

- English and Spanish versions
- CAG feedback
- Distributed in Water Bills
- Available online at: SantaYnezWater.org and GSA member agency websites

FAQs also developed and available on SantaYnezWater.org

DMS Tech Memo and Data Update



DMS Tech Memo released for CAG and public review. Comments considered and DRAFT Final submitted to GSA.

DMS Update:

- Collected field data incorporated
- Groundwater levels for USBR wells updated through June 2020
- Review data provided by the SYRWCD (Parent District)

*Buellton Uplands well pictured

Hydrogeologic Conceptual Model (HCM)

Describes the conceptual understanding of the general physical characteristics of the groundwater basin.

The Hydrogeological Conceptual Model consists of:

- Written narrative description
- Graphics that clearly portray the geographic and climatic setting, regional geology and structures, groundwater basin geometry, general groundwater water quality, and consumptive water uses in the basin.

Hydrogeologic Conceptual Model (HCM)



DRAFT TECHNICAL MEMORANDUM

2171 E. Francisco Blvd., Suite K • San Rafael, California • 94901
TEL: (415) 457-0701 FAX: (415) 457-1638 e-mail: sr@stetsonengineers.com

TO: CMA GSA DATE: August 15, 2020
FROM: Stetson Engineers/ Geosyntec/ Dudek JOB NO: 2711-03
RE: Hydrogeologic Conceptual Model (HCM)

TABLE OF CONTENTS

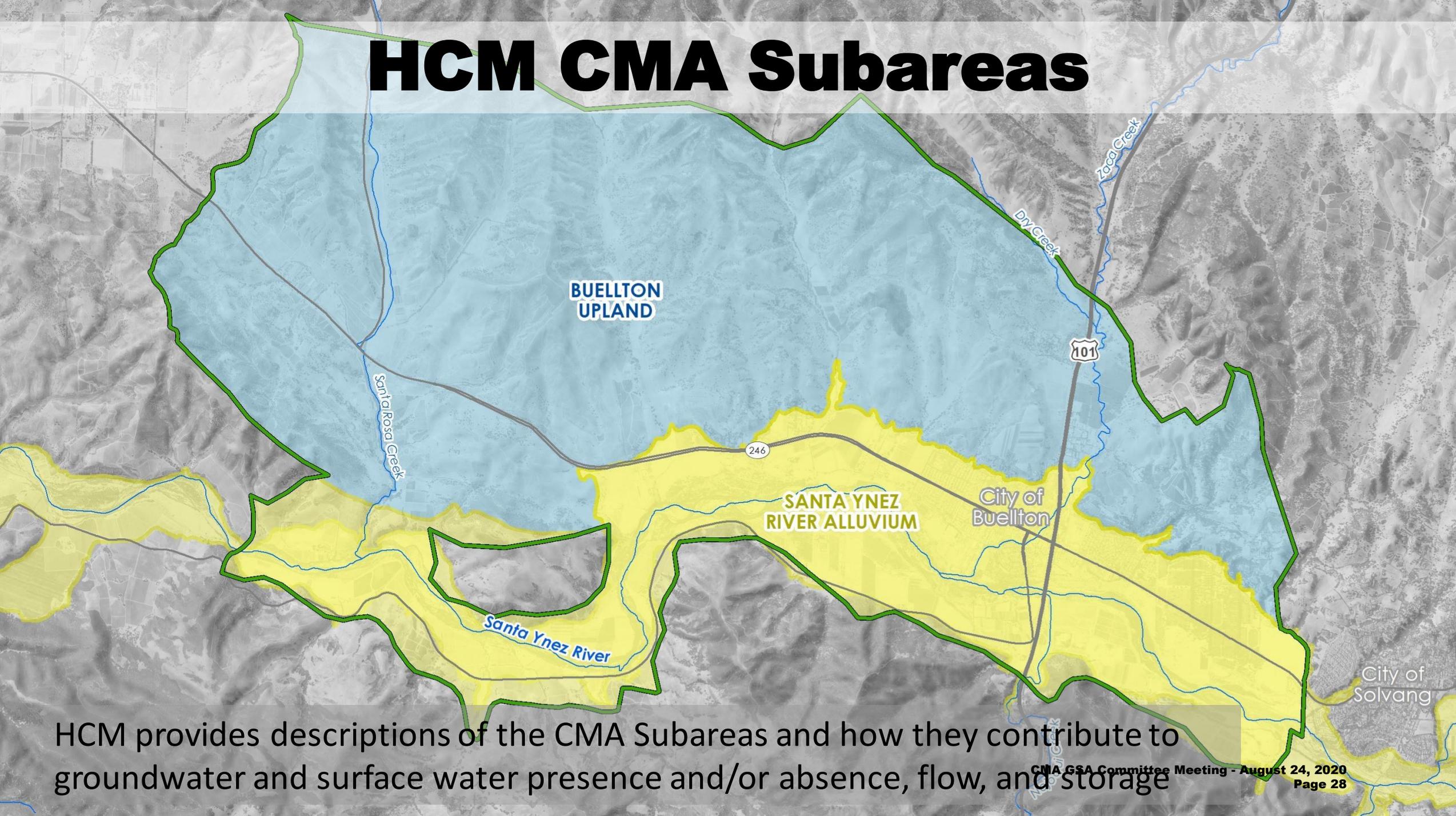
HYDROGEOLOGIC CONCEPTUAL MODEL	5
1. CENTRAL MANAGEMENT AREA EXTENTS AND SUBAREAS	6
1.1. CMA SUBAREAS	7
1.1.1. SANTA YNEZ RIVER ALLUVIUM SUBAREA	7
1.1.2. BUELLTON UPLAND SUBAREA	8
2. TOPOGRAPHY AND SURFACE WATER BODIES	8
2.1. DIRECT PRECIPITATION	9
2.1.1. SOILS AND INFILTRATION	9
2.2. WATERSHED AND SIGNIFICANT SURFACE WATER BODIES	10
2.2.1. RIVERS AND STREAMS	10
2.2.2. PACIFIC OCEAN	11
2.2.3. WATER IMPORTS	12
2.2.4. WATER EXPORTS	13
2.2.5. TREATED WASTEWATER SOURCES	13
3. ADDITIONAL SURFACE WATER AND GROUNDWATER INTERACTIONS	14
3.1. GROUNDWATER USE	14
3.1.1. SANTA YNEZ RIVER ALLUVIUM SUBAREA	15
3.1.2. LOMPOC PLAIN SUBAREA	15
3.1.3. BURTON MESA SUBAREA	16
3.1.4. LOMPOC TERRACE SUBAREA	16
3.1.5. LOMPOC UPLAND SUBAREA	16
3.1.6. SANTA RITA UPLAND SUBAREA	16
3.2. AGRICULTURAL LANDS	17
3.3. PHREATOPHYTES	17
3.4. RECHARGE AREAS	18
3.5. DISCHARGE AREAS	18
3.5.1. BURTON MESA SUBAREA	18
3.5.2. LOMPOC TERRACE SUBAREA	19
3.5.3. LOMPOC PLAIN SUBAREA	19
4. WMA AND ADJACENT GEOLOGY	19
4.1. REGIONAL MOVEMENT AND SETTING	20
4.2. MAPPED SURFACE GEOLOGY	20

DRAFT HCM released to Staff

HCM Sections:

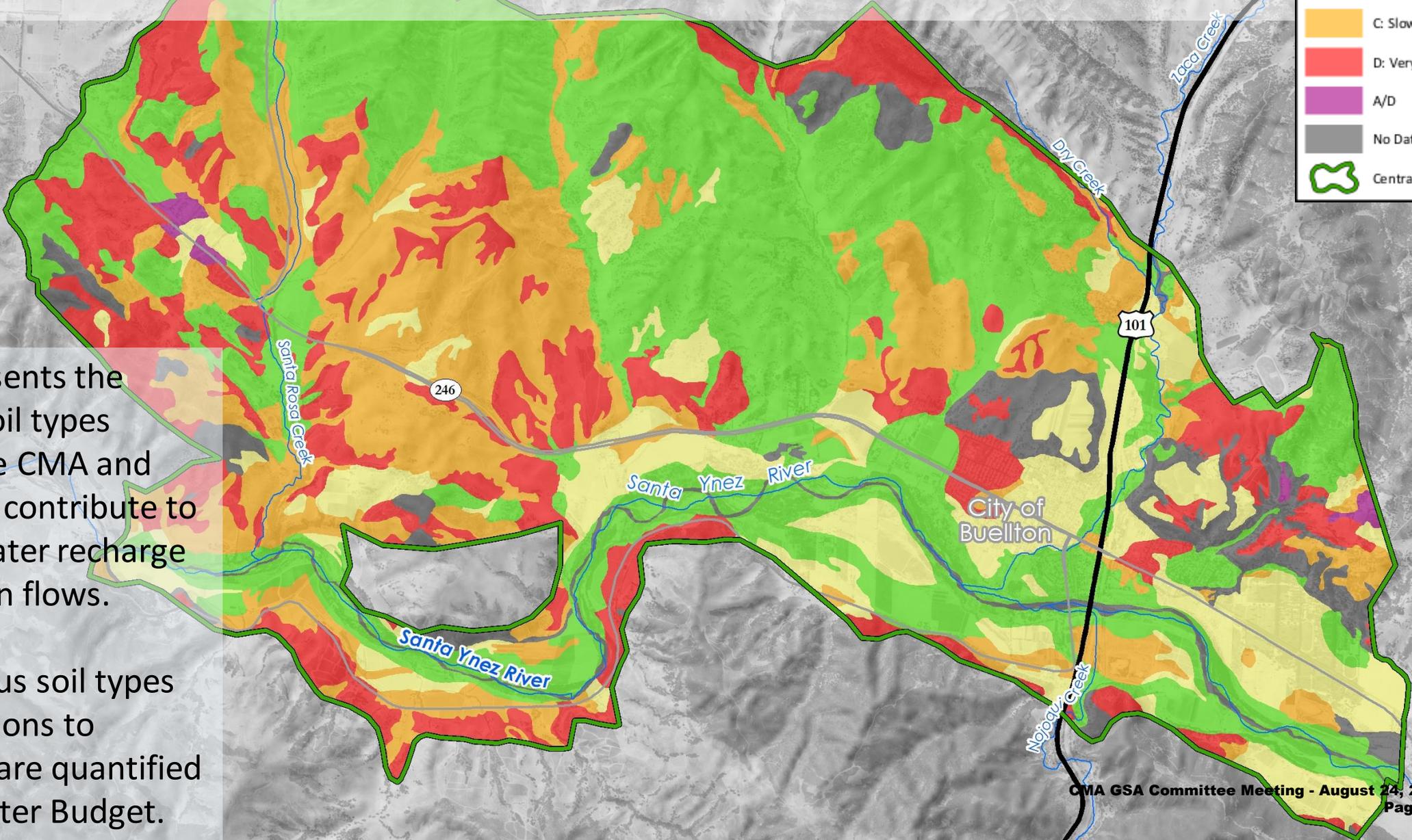
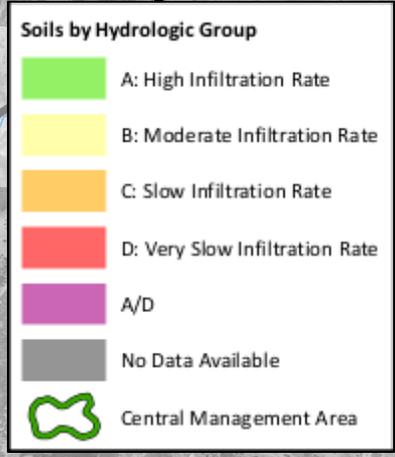
- CMA Extents and Subareas
- Topography and Surface Water Bodies
- Surface Water and Groundwater Interactions
- Regional Geology
- Principal Aquifers & Aquitards

HCM CMA Subareas



HCM provides descriptions of the CMA Subareas and how they contribute to groundwater and surface water presence and/or absence, flow, and storage

HCM CMA Soil Infiltration

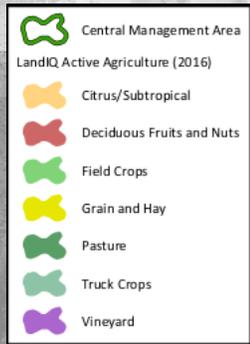


HCM presents the various soil types within the CMA and how they contribute to groundwater recharge and return flows.

The various soil types contributions to recharge are quantified in the Water Budget.

HCM CMA Agriculture Areas

In accordance with SGMA, the HCM evaluates various consumptive water uses and potential return flows within the CMA



*2016 agriculture areas shown as provided by DWR

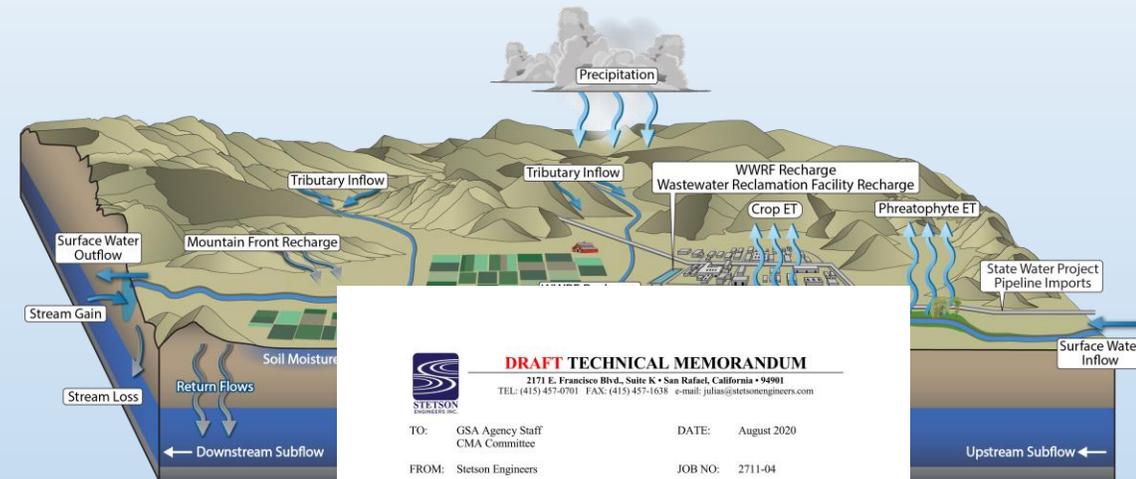
Water Budget Technical Memo (TM)

The accounting and characterization of spatial and temporal distribution of inflows and outflows to a watershed, groundwater basin, or management area.

Key Water Budget components:

- Total surface water entering and leaving the basin
- Inflows and outflows to the groundwater system
- The annual change in groundwater storage volume

CENTRAL MANAGEMENT AREA OF THE
SANTA YNEZ RIVER VALLEY GROUNDWATER BASIN



DRAFT TECHNICAL MEMORANDUM
2171 E. Francisco Blvd., Suite K • San Rafael, California • 94901
TEL: (415) 457-0701 FAX: (415) 457-1038 e-mail: julian@stetsonengineers.com

TO: GSA Agency Staff
CMA Committee
DATE: August 2020

FROM: Stetson Engineers
JOB NO: 2711-04

RE: **DRAFT** Central Management Area Water Budget for the Santa Ynez River Valley
Groundwater Basin Groundwater Sustainability Plan

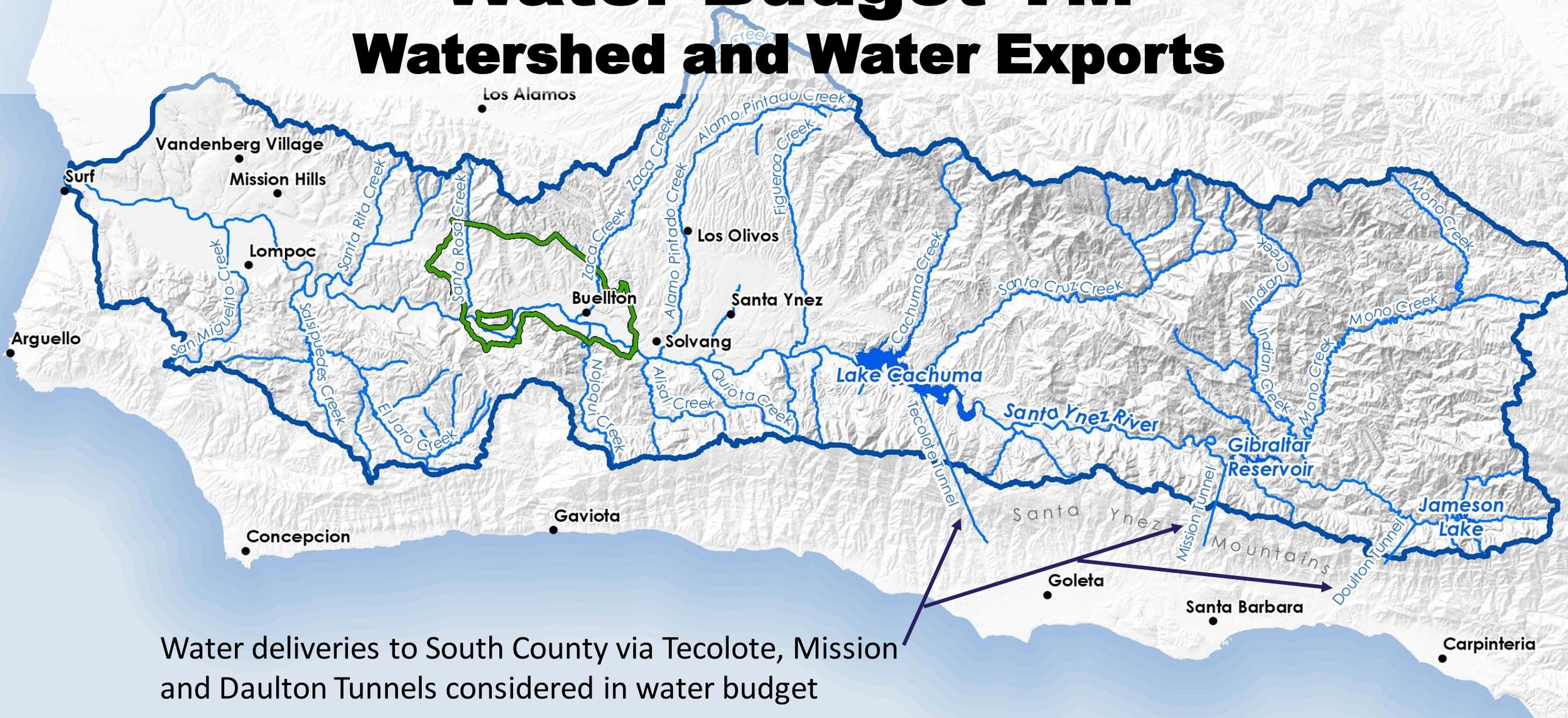
This DRAFT Water Budget Technical Memorandum is written for inclusion as a chapter in the Santa Ynez River Valley Groundwater Basin Groundwater Sustainability Plan ("GSP") in accordance with the Sustainable Groundwater Management Act ("SGMA"). The GSP is an interagency collaboration of eight public agencies involved in water resources in Santa Ynez River Valley Groundwater Basin ("SYRVGB"). The SYRVGB is divided into three management areas: Western Management Area ("WMA"), Central Management Area ("CMA"), and Eastern Management Area ("EMA"). This WMA Water Budget Technical Memorandum is prepared by Stetson Engineers Project Team (Stetson, Geosyntec, and Dudek) for the WMA Groundwater Sustainability Agency ("GSA") in cooperation with CMA and EMA GSAs. Other chapters of the GSP will describe the hydrogeologic conceptual model, management coordination, past and previous management plans, and groundwater conditions in the SYRVGB.

TABLE OF CONTENTS

1. WATER BUDGET LAND AREA AND BOUNDARIES
 - 1.1. SANTA YNEZ RIVER GROUNDWATER BASIN
 - 1.2. SANTA YNEZ RIVER WATERSHED
 - 1.3. NEIGHBORING GROUNDWATER BOUNDARIES
2. WATER BUDGET COMPONENTS
 - 2.1. INTER-BASIN FLOWS
 - 2.1.1. STATE WATER PROJECT
 - 2.1.2. SURFACE WATER INFLOW AND OUTFLOW
 - 2.1.3. GROUNDWATER INFLOW AND OUTFLOW
 - 2.2. GROUNDWATER DISCHARGE/PUMPING

Water Budget TM

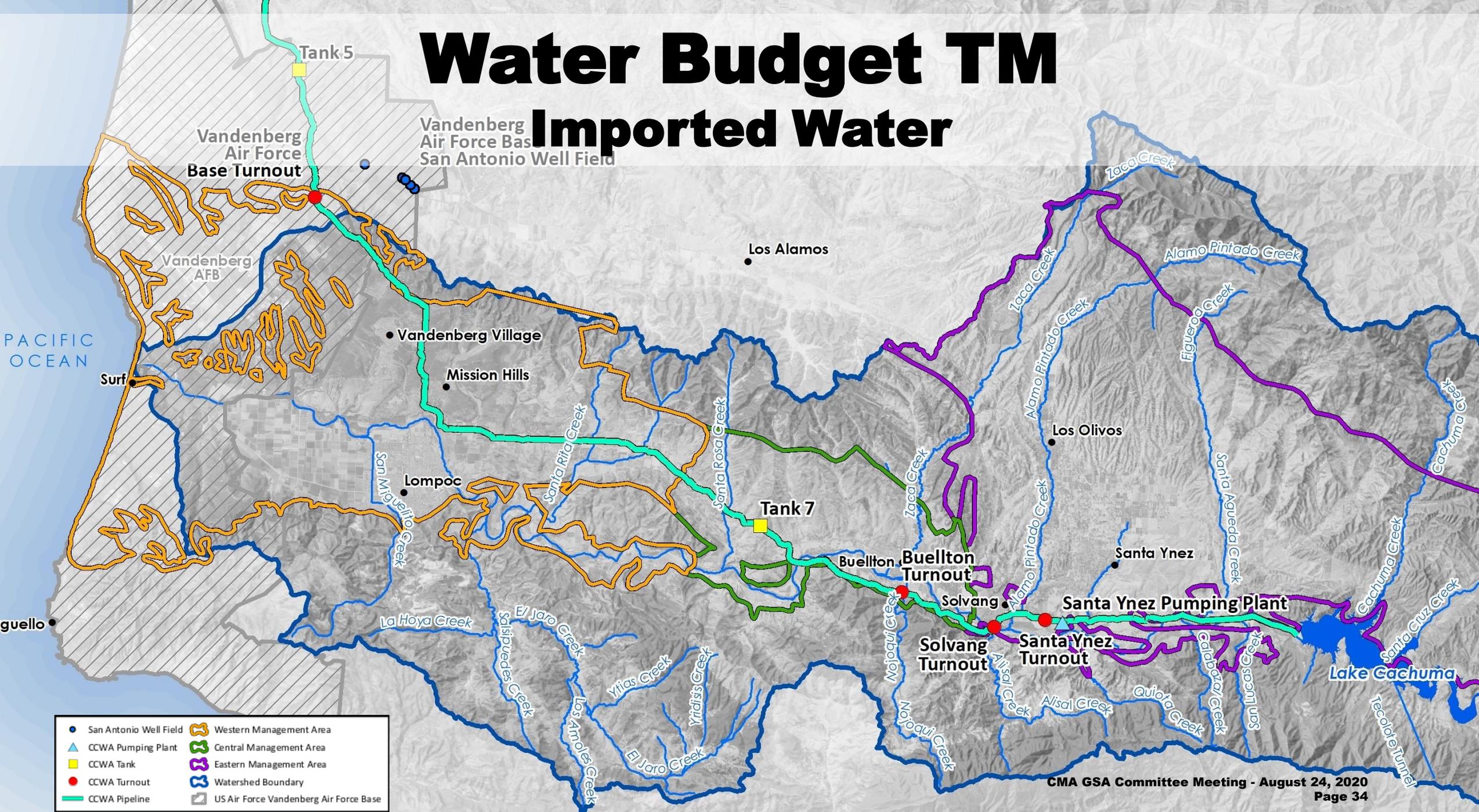
Watershed and Water Exports



Water deliveries to South County via Tecolote, Mission and Daulton Tunnels considered in water budget

Water Budget TM

Imported Water



- | | |
|--------------------------|--|
| ● San Antonio Well Field | Western Management Area |
| ▲ CCWA Pumping Plant | Central Management Area |
| ■ CCWA Tank | Eastern Management Area |
| ● CCWA Turnout | Watershed Boundary |
| — CCWA Pipeline | US Air Force Vandenberg Air Force Base |

Water Budget TM



DRAFT TECHNICAL MEMORANDUM

2171 E. Francisco Blvd., Suite K • San Rafael, California • 94901
 TEL: (415) 457-0701 FAX: (415) 457-1638 e-mail: sr@stetsonengineers.com



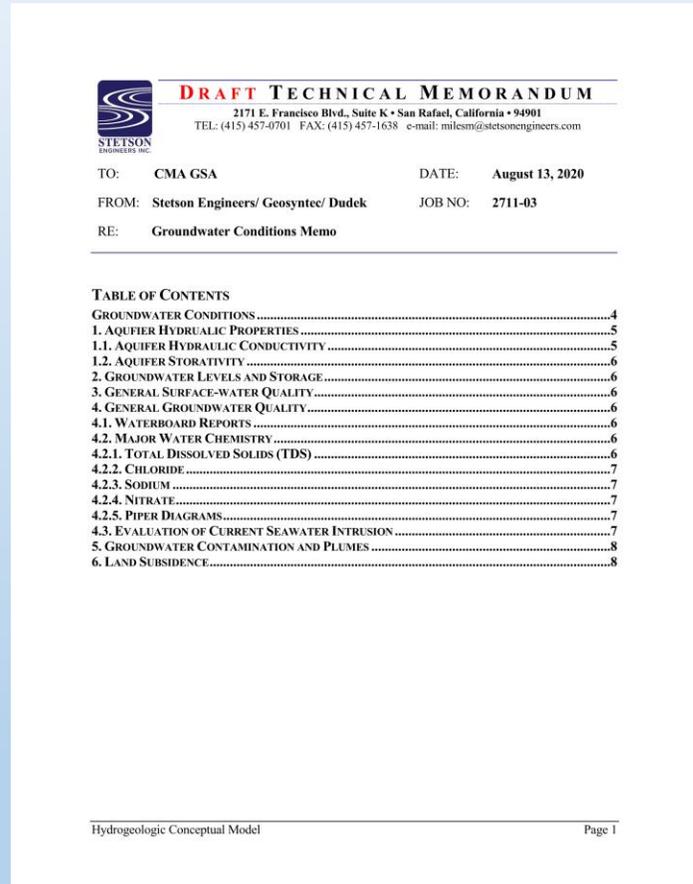
TO: WMA GSA DATE: August 13, 2020
 FROM: Stetson Engineers/ Geosyntec/ Dudek JOB NO: 2710-03
 RE: Hydrogeologic Conceptual Model (HCM)

TABLE OF CONTENTS

HYDROGEOLOGIC CONCEPTUAL MODEL	6
1. WESTERN MANAGEMENT AREA EXTENTS AND SUBAREAS	7
1.1. WMA BOUNDARIES	8
1.2. WMA SUBAREAS	8
1.2.1. SANTA YNEZ RIVER ALLUVIUM SUBAREA	9
1.2.2. LOMPOC PLAIN SUBAREA	9
1.2.3. BURTON MESA SUBAREA	9
1.2.4. LOMPOC UPLAND SUBAREA	10
1.2.5. SANTA RITA UPLAND SUBAREA	11
2. TOPOGRAPHY AND SURFACE WATER BODIES	11
2.1. DIRECT PRECIPITATION	12
2.1.1. SOILS AND INFILTRATION	12
2.2. RECHARGE AREAS	13
2.3. WATERSHED AND SIGNIFICANT SURFACE WATER BODIES	13
2.3.1. RIVERS AND STREAMS	14
2.3.2. PACIFIC OCEAN	15
A. LOMPOC PLAIN	15
B. BURTON MESA	16
C. LOMPOC TERRACE	16
2.3.3. WATER IMPORTS	16
2.3.4. WATER EXPORTS	17
2.3.5. TREATED WASTEWATER SOURCES	17
3. ADDITIONAL SURFACE WATER AND GROUNDWATER INTERACTIONS	18
3.1. PRIMARY USE OF GROUNDWATER	18
3.1.1. SANTA YNEZ RIVER ALLUVIUM SUBAREA	19
3.1.2. LOMPOC PLAIN SUBAREA	19
3.1.3. BURTON MESA SUBAREA	19
3.1.4. LOMPOC TERRACE SUBAREA	20
3.1.5. LOMPOC UPLAND SUBAREA	20
3.1.6. SANTA RITA UPLAND SUBAREA	20
3.2. AGRICULTURAL LANDS	21

- Plan to release DRAFT Water Budget TM to Staff in Sep
- Plan to release to GSA committee at Oct meeting
- Plan to workshop the information for the GSA, public and CAG

Groundwater Conditions TM



DRAFT document in progress, discusses:

- Principal aquifers and water levels
- Aquifer properties and storage
- Groundwater quality
- Surface water
- Seawater intrusion
- Land subsidence

"description of current and historical groundwater conditions in the basin [...], based on the best available information" 23 CCR § 354.14(a)

Groundwater Model

Conversion of FEMFLOW
model into modern MODFLOW-
USG of existing model:

- Node structure converted into MODFLOW-USGS
- Hydraulic properties converted over

Next Steps



Special GSA Meeting / Workshop in October to review DRAFT documents:

- Hydrogeologic Conceptual Model Technical Memo
- Water Budget Technical Memo

Regularly scheduled GSA Meeting / Workshop in November to review:

- Groundwater Conditions Technical Memo
- Groundwater Modeling Technical Memo

Groundwater modeling construction, calibration and simulations

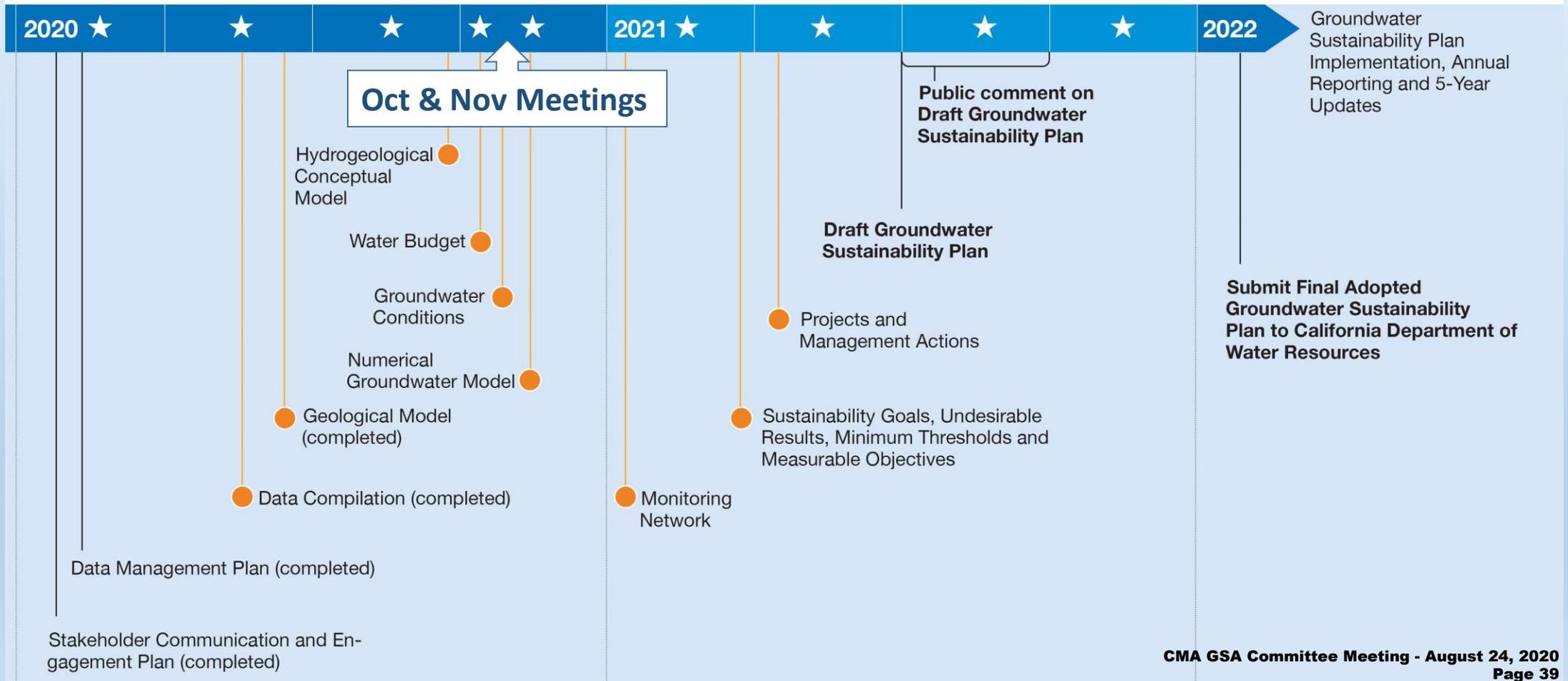


Stars denote items for public engagement and opportunities to review and provide comment

The Way Ahead

Groundwater Sustainability Plan Development Milestones

★ Groundwater Sustainability Agency Committee Public Meeting ● Technical Memorandum



Questions?

Santa Ynez Water Group

Board of Directors, Santa Ynez River Valley Basin Eastern Management Area GSA
Board of Directors, Santa Ynez River Valley Basin Central Management Area GSA
Board of Directors, Santa Ynez River Valley Basin Western Management Area GSA

c/o William (Bill) Buelow
Santa Ynez River Water Conservation District
3669 Sagunto Street, Suite 101
Santa Ynez, CA 93460

Transmitted via email attachment to bbuelow@syrwcd.com

Re: Santa Ynez Water Group

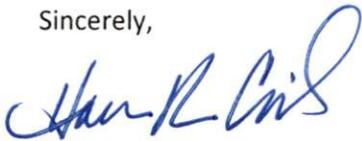
Dear Directors and Staff:

The purpose of this letter is to introduce the Santa Ynez Water Group (SYWG) to the Santa Ynez River Valley GSAs. SYWG is a landowner group that was formed to work together to understand, evaluate, and manage the impacts to our various businesses and engage in positive dialogue with the GSAs. SYWG includes, vineyards, vegetables interests currently, 47 owners representing 4,010 acres in the Santa Ynez River Valley Basin. SYWG desires to work cooperatively and collaboratively with the GSAs on planning issues that will impact sustainable management of the groundwater basin and our business. It is our hope that the GSAs will engage with our group and consider our input throughout process to develop and implement the GSPs.

We have engaged Bryan Bondy, PG, CHG as our consultant to review and advise SYWG. Mr. Bondy's contact is 805.212.0484 and email bryan@bondygroundwater.com. We would ask your organizations to work directly with Mr. Bondy as he comes up to speed and will have some information requests.

Please feel free to reach out to the undersigned if you have any questions.

Sincerely,



Doug Circle
Rancho Cañada de Los Pinos LLC
Santa Ynez, CA
714.630.0299
doug@circlevision.com

cc: Bryan Bondy, Bondy Groundwater Consulting, Inc.