

NOTICE AND AGENDA OF REGULAR MEETING

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

WILL BE HELD

AT **10:00 A.M.**, WEDNESDAY, NOVEMBER 17, 2021

TELECONFERENCE MEETING ONLY – NO PHYSICAL MEETING LOCATION

Remote participation available via ZOOM

You do NOT need to create a ZOOM account or login with email for meeting participation.

ZOOM.us - “Join a Meeting”

Meeting ID: 835 2847 2460 Meeting Passcode: 778089

DIRECT LINK: <https://us02web.zoom.us/j/83528472460?pwd=OUNjS2xvNjYwU0dSYWhmNUc1TkUz09>

DIAL-IN NUMBER: 1-669-900-9128

PHONE MEETING ID: 835 2847 2460# Meeting Passcode: 778089#

If your device does not have a microphone or speakers, you can call in for audio with the phone number and Meeting ID listed above to listen and participate while viewing the live presentation online.

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

Teleconference Meeting During Coronavirus (COVID-19) Pandemic: As a result of the COVID-19 pandemic, this meeting will be available via teleconference as recommended by Santa Barbara County Public Health, authorized by State Assembly Bill 361, and Resolution WMA-2021-001 (passed on 10/20/2021).

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 remote access referenced 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 **Tuesday, November 16, 2021**, and should indicate “**November 17, 2021 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.

AGENDA ON NEXT PAGE

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

WEDNESDAY, NOVEMBER 17, 2021, 10:00 A.M.

AGENDA OF REGULAR MEETING

- I. Call to Order and Roll Call
- II. Consider findings under Government Code section 54953(e)(3) to authorize continuing teleconference meetings under Resolution WMA-2021-001
- 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.) *Staff recommends any potential new agenda items based on issues raised be held for discussion under Agenda Item “WMA GSA Committee requests and comments” for items to be included on the next Agenda.*
- V. Review and consider approval of meeting minutes of October 27, 2021
- VI. Review and consider approval of Financial Statements and Warrant List
- VII. Review and consider approval of Resolution WMA-2021-002 authorizing the WMA GSA Chairperson to sign the Santa Ynez River Valley Groundwater Basin Coordination Agreement.
- VIII. Update and discussion on Draft WMA GSP and Future Governance Options
- IX. Review and discuss Scope of Work and Costs for Stetson to prepare WMA Annual Report
- X. Review and discuss Stetson Memorandum on the status of groundwater conditions in the Lompoc Upland
- XI. Next planned “Special” WMA GSA Meeting to consider GSP adoption Wednesday, January 5, 2022, at 10:00 AM
- XII. Consideration of additional “Special WMA GSA Meeting” December 8 or 15, 2021 at 10:00 A.M.
- XIII. WMA GSA Committee requests and comments
- XIV. Adjournment

[This agenda was posted 72 hours prior to the scheduled special 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.]

Groundwater Sustainability Agency for the Western Management Area in the Santa Ynez River Valley Groundwater Basin

RESOLUTION WMA-2021-001

RESOLUTION INITIALLY AUTHORIZING REMOTE TELECONFERENCE MEETINGS UNDER AB 361

WHEREAS, meetings of the governing Committee (“Committee”) of the **Groundwater Sustainability Agency for the Western Management Area in the Santa Ynez River Valley Groundwater Basin** (WMA GSA) are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code 54950 – 54963), so that any member of the public may attend, participate, and watch the WMA GSA conduct its business;

WHEREAS, Government Code section 54953(e), added by Assembly Bill 361 (2021) (“AB361”), provides for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to certain conditions and requirements; and

WHEREAS, the WMA GSA wishes to invoke the provisions of AB361 to authorize teleconference meetings subject to the provisions of Government Code section 54953(e);

NOW, THEREFORE, BE IT RESOLVED that:

Section 1. Findings. The Committee hereby finds as follows:

- (a) As provided by Government Code section 54953(e)(1), a proclaimed state of emergency exists under the California Emergency Services Act, as declared by the Governor on March 4, 2020.
- (b) As provided by Government Code section 54953(e)(1), the County of Santa Barbara Health Department has imposed or recommended measures to promote social distancing, specifically Santa Barbara County Health Order No. 2021-10.5 (see also Santa Barbara County Public Health Department Health Officials AB 361 Social Distance Recommendation issued September 28, 2021).

Section 2. Procedures for Teleconference Meetings. The WMA GSA shall hold meetings to allow for teleconference participation pursuant to the requirements of Government Code section 54953(e).

Section 3. Effective Date. This resolution shall take effect immediately upon its adoption.

Section 4. Renewal. Pursuant to Government Code section 54953(e)(3), the WMA GSA may consider findings regarding the state of emergency every 30 days.

PASSED AND ADOPTED by the governing Committee of the WMA GSA on October 20, 2021 by the following roll call vote:

AYES: Jeremy Ball, Chris Brooks, Myron Heavin

NOES: None

ABSENT: Steve Jordan

ABSTAINED: None

ATTEST:

Chris Brooks, Chairman



William J. Buelow, Secretary



Public Health Administration

300 North San Antonio Road ♦ Santa Barbara, CA 93110-1316
805/681-5100 ♦ FAX 805/681-5191

Van Do-Reynoso, MPH, PhD *Director*
Suzanne Jacobson, CPA *Chief Financial Officer*
Paige Batson, MA, PHN, RN *Deputy Director*
Darrin Eisenbarth *Deputy Director*
Dana Gamble, LCSW *Interim Deputy Director*
Polly Baldwin, MD, MPH *Medical Director*
Henning Ansorg, MD *Health Officer*

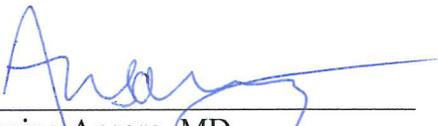
HEALTH OFFICIALS AB 361 SOCIAL DISTANCE RECOMMENDATION

Issued: September 28, 2021

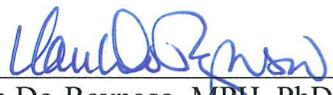
COVID-19 disease prevention measures, endorsed by the Centers for Disease Control and Prevention, include vaccinations, facial coverings, increased indoor ventilation, handwashing, and physical distancing (particularly indoors).

Since March 2020, local legislative bodies-such as commissions, committees, boards, and councils- have successfully held public meetings with teleconferencing as authorized by Executive Orders issued by the Governor. Using technology to allow for virtual participation in public meetings is a social distancing measure that may help control transmission of the SARS-CoV-2 virus. Public meetings bring together many individuals (both vaccinated and potentially unvaccinated), from multiple households, in a single indoor space for an extended time. For those at increased risk for infection, or subject to an isolation or quarantine order, teleconferencing allows for full participation in public meetings, while protecting themselves and others from the COVID-19 virus.

Utilizing teleconferencing options for public meetings is an effective and recommended social distancing measure to facilitate participation in public affairs and encourage participants to protect themselves and others from the COVID-19 disease. This recommendation is further intended to satisfy the requirement of the Brown Act (specifically Gov't Code Section 54953(e)(1)(A)), which allows local legislative bodies in the County of Santa Barbara to use certain available teleconferencing options set forth in the Brown Act.



Henning Ansorg, MD
Public Health Officer
County of Santa Barbara



Van Do-Reynoso, MPH, PhD
Public Health Director
County of Santa Barbara

DRAFT MEETING MINUTES

Groundwater Sustainability Agency for the Western Management Area in the Santa Ynez River Groundwater Basin October 27, 2021

A special meeting of the Groundwater Sustainability Agency (GSA) for the Western Management Area (WMA) in the Santa Ynez River Groundwater Basin was held on Wednesday, October 27, 2021 at 10:00 a.m. As a result of the COVID-19 emergency, this meeting occurred solely via teleconference in accordance with the latest Santa Barbara County Health Officer Order, as authorized by State Assembly Bill 361, and Resolution WMA-2021-001 (passed on 10/20/2021).

GSA Committee Directors Present: Jeremy Ball, Chris Brooks, Meighan Diethofer (Acting as Alternate), and Steve Jordan

Alternate GSA Committee Director Present: Kristin Worthley

Staff Present: Joe Barget, Bill Buelow, Amber Thompson, Matt Young

Others Present: Jose Baer, Bryan Bondy, Matt Brady, Doug Circle, Ken Domako (VSFB), John Fio (EKI), Karen Kistler, Curtis Lawler (Stetson Engineers), Steve Slack (CDFW), Brett Stroud, and Charles Witt

I. Call to Order and Roll Call

WMA GSA Committee Director Chris Brooks called the meeting to order at 10:00 a.m. and asked Mr. Bill Buelow to call roll. Three Committee Directors and one Acting Alternate were present providing a quorum.

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

Mr. Buelow announced names of phone and video attendees.

Mr. Buelow reviewed history of the Sustainable Groundwater Management Act (SGMA) requirements and Groundwater Sustainability Plan (GSP) development milestones in the Santa Ynez River 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 consider approval of meeting minutes of August 25, and October 20, 2021

The minutes of the GSA Committee meetings on August 25 and October 20, 2021 were presented for GSA Committee approval. There were no comments or discussion.

GSA Committee Director Steve Jordan made a MOTION to approve the minutes of August 25 and October 20, 2021, as presented. GSA Committee Director Jeremy Ball seconded the motion, and both sets of minutes passed 3-0-1 by roll call vote with the Mission Hills CSD representative being absent.

VI. Review comment letter from Santa Ynez Water Group legal counsel dated 09-21-2021

Mr. Buelow announced that public comment letters received on the Public Draft GSPs are posted to SantaYnezWater.org as well as a pdf document showing the downloaded public comments made via the portal.

He introduced a letter received from Joseph D. Hughes, attorney with Klein DeNatale Goldner, on behalf of the Santa Ynez Water Group, expressing concerns on landowner representation, implementation of Projects and Management Actions, and consideration of overlying groundwater rights. Discussion followed. Mr. Buelow advised that all public comments received will be addressed through the established comment response process.

VII. Receive update on SGMA Stakeholder Outreach

Mr. Buelow reviewed stakeholder outreach efforts made on behalf of the GSAs. Press Releases were sent out. Paid advertisements were placed in three local newspapers: Lompoc Record, Santa Barbara News Press and Santa Ynez Valley News. In addition, SGMA Newsletter Issue # 5, published in English and Spanish, was distributed by member agencies with utility billings. A request was made to KCLU, local public radio, to add GSPs public comment periods to the Community Calendar. Discussion followed.

VIII. Receive update from Citizen Advisory Group meeting of October 7, 2021

Mr. Jose Baer presented the WMA Citizen Advisory Group (CAG) Memorandum dated October 7, 2021, which he prepared on behalf of the WMA CAG, regarding the WMA CAG's review and discussion of Draft Final (Public Draft) WMA GSP as well as governance options. Discussion followed.

- Alternate WMA GSA Committee Director Kristin Worthley requested a detailed line-item budget as well as budgets for the different governance options, including reasons for the costs, in order for City of Lompoc to decide on a governance option.
- Mr. Buelow reported that governance options meetings are currently being held by member agency staff and budget numbers are being worked on. Member agency staff requested guidance from GSA Directors.

- WMA GSA Committee Directors Steve Jordan and Chris Brooks both stated they prefer the governance approach of an overarching JPA with three management area specific decision-making bodies.
- WMA GSA Committee Director Jeremy Ball was hesitant to decide on a governance option without detailed costs and reasons. He expressed concern about unknown data due to quite a few data gaps, as documented in the City of Lompoc’s submitted comments to the Public Draft GSP. He requested WMA GSA Directors, member agency staff and consultants review and consider comments submitted by City of Lompoc on the Public Draft GSP for the WMA.

IX. Workshop and Q&A on Public Draft CMA GSP and Future Governance Options

Mr. Brett Stroud (Young Wooldridge) discussed options from his presentation “Santa Ynez River Groundwater Basin Governance and Funding Proposals” presented on August 25, 202. Discussion followed.

- Mr. Stroud explained that the WMA CAG memorandum supported a hybrid model of governance. He explained that forming a JPA could split coordinated costs affecting all three GSAs between the three GSAs. He emphasized that the Joint Exercise of Powers Act is very flexible so that all decision making could be left at local GSA level while certain costs can be shared.
- WMA GSA Committee Director Jeremy Ball commented that the City of Lompoc is not willing to commit to a specific governance option at this point but is a willing partner in the SGMA efforts. The City of Lompoc requests more details for costs before making decision.
- Acting Alternate WMA GSA Committee Director Meighan Dietenhofer shared that the County of Santa Barbara, as a member of all three GSAs, would like to proceed with the most efficient path for governance. She advised that Supervisor Hartmann is planning to attend the EMA GSA meeting this week and can provide further comment then.
- Mr. Matt Young said the County of Santa Barbara supports collaboration across all three GSAs.

Mr. Curtis Lawler (Stetson Engineers) presented slides “October 27 2021, GSA 2021 Special Meeting, Draft Groundwater Sustainability Plan” for the WMA and gave an overview of components and efforts involved with creating the Public Draft Groundwater Sustainability Plan (GSP) in the WMA as well as next steps of the process. Discussion followed.

- Mr. Curtis Lawler explained that the GSP is a voluminous document as it is similar to seven reports wrapped into one document.

- WMA GSA Committee Director Jeremy Ball asked that consultants look at specific issues highlighted in GSP comments by City of Lompoc especially regarding selectivity of data. He expressed concern with generalizing any Projects and Management Actions. He was concerned that if the baseline for water conservation resets as new for all water users, the City of Lompoc would lose credits for already existing conservation efforts made by City of Lompoc. In terms of population, the City of Lompoc represents the highest human per capita represented in the WMA GSA.
- WMA GSA Director Chris Brooks, WMA GSA Director Steve Jordan, Alternate WMA GSA Committee Director Kristin Worthley, and Mr. Matt Young thanked Mr. Lawler for a very good recap.

X. Next Regular WMA GSA Meeting: Wednesday, November 17, 2021, 10:00 AM

Mr. Buelow announced the next WMA GSA Committee Regular Meeting will be Wednesday, November 17, 2021, 10:00 AM. The WMA GSA Committee Directors unanimously agreed to hold the meeting solely via ZOOM video/teleconference.

XI. WMA GSA Committee requests and comments

WMA GSA Director Steve Jordan apologized for missing the Special meeting of October 20, 2021 and asked if the WMA GSA Committee meetings will continue to be held via ZOOM. Mr. Buelow confirmed the next Regular meeting scheduled for November 17, 2021 will be solely via ZOOM. However, meetings in the future can be set-up as a hybrid format with in-person meeting at the City of Lompoc Water Treatment Plant and ZOOM available for public and/or Director participation as well.

WMA GSA Committee Director Jeremy Ball commented that the City of Lompoc is looking for the most equitable plan especially when looking at the effects on human impact.

Acting Alternate WMA GSA Committee Director Meighan Dietenhofer complimented Mr. Bill Buelow and Mr. Matt Young on their outreach efforts by providing presentations to many different groups and agencies on behalf of the GSAs. She felt that stakeholder outreach has been extensive.

XII. Adjournment

WMA GSA Director Chris Brooks adjourned the meeting at 11:20 a.m.

Chris Brooks, Chairman

William J. Buelow, Secretary

SYRWCD WMA
BALANCE SHEET
SEPTEMBER 30, 2021

Assets

Current Assets

Mechanics Bank #8301	\$93,396.21
Other Current Assets	1,000.00

TOTAL Current Assets	-----	94,396.21
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TOTAL Assets		-----	\$94,396.21	=====
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Liabilities AND Equity

TOTAL Liabilities	-----	.00
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Net Position

Retained Earnings	143,038.46
Retained Earnings-Current Year	(48,642.25)

TOTAL Net Position	-----	94,396.21
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TOTAL Liabilities AND Equity		-----	\$94,396.21	=====
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SYRWCD WMA
INCOME STATEMENT
FOR THE 3 PERIODS ENDED SEPTEMBER 30, 2021

	QUARTER TO DATE		YEAR TO DATE	
	ACTUAL	PERCENT	ACTUAL	PERCENT
Revenue:				
Revenue				
Operating Assessments	\$27,374.00	100.0 %	27,374.00	100.0
TOTAL Revenue	27,374.00	100.0	27,374.00	100.0
TOTAL Revenue	27,374.00	100.0	27,374.00	100.0
Gross Profit	27,374.00	100.0	27,374.00	100.0
Expenses:				
Consultants				
Stakeholder Engagement	6,407.50	23.4	6,407.50	23.4
GSP - HCM	1,116.00	4.1	1,116.00	4.1
GSP - Monitor/Measure	5,600.50	20.5	5,600.50	20.5
GSP - Sustainable Mgt Criteria	9,589.00	35.0	9,589.00	35.0
GSP - Projects/Mgt Actions	10,040.25	36.7	10,040.25	36.7
GSP - GSP Doc	24,445.50	89.3	24,445.50	89.3
GSP - AEM Survey	18,817.50	68.7	18,817.50	68.7
TOTAL Consultants	76,016.25	277.7	76,016.25	277.7
TOTAL Expenses	76,016.25	277.7	76,016.25	277.7
Net Income from Operations	(48,642.25)	(177.7)	(48,642.25)	(177.7)
Earnings before Income Tax	(48,642.25)	(177.7)	(48,642.25)	(177.7)
Net Income (Loss)	\$(48,642.25)	(177.7)%	(48,642.25)	(177.7)

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

JULY 2021 WARRANT LIST FOR COMMITTEE APPROVAL

<u>NUMBER</u>	<u>DATE</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
		NONE		\$ -
MONTH TOTAL				\$ -

AUGUST 2021 WARRANT LIST FOR COMMITTEE APPROVAL

<u>NUMBER</u>	<u>DATE</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
1036	08/12/21	Stetson Engineers	June 2021 Engineering Service (Task Order #1 & AEM work)	\$ 45,084.25
MONTH TOTAL				\$ 45,084.25

SEPTEMBER 2021 WARRANT LIST FOR COMMITTEE APPROVAL

<u>NUMBER</u>	<u>DATE</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
1037	09/15/21	Stetson Engineers	July 2021 Engineering Service (Task Order #1 & AEM work)	\$ 30,932.00
MONTH TOTAL				\$ 30,932.00

TOTAL THIS QUARTER: \$ 76,016.25

**Groundwater Sustainability Agency for the Western Management
Area in the Santa Ynez River Valley Groundwater Basin**

RESOLUTION WMA-2021-002

**RESOLUTION AUTHORIZING THE CHAIRPERSON TO SIGN THE SANTA YNEZ
RIVER VALLEY GROUNDWATER BASIN COORDINATION AGREEMENT**

WHEREAS, the Groundwater Sustainability Agency for the Western Management Area in the Santa Ynez River Valley Groundwater Basin (“GSA”), formed by Memorandum of Agreement dated January 11, 2017 (“MOA”), is the exclusive GSA for the Western Management Area of the Santa Ynez River Valley Groundwater Basin (Bulletin 118 Basin No. 3-015) (“Basin”);

WHEREAS, the GSA has prepared a Groundwater Sustainability Plan (“GSP”) for the Western Management Area;

WHEREAS, Water Code section 10727.6 requires each GSA to “coordinate with other agencies preparing a groundwater sustainability plan within the basin to ensure that the plans utilize the same data and methodologies”;

WHEREAS, Water Code section 10727(b)(3) requires that multiple GSPs implemented by multiple GSAs must be coordinated pursuant to a coordination agreement that covers the entire Basin;

WHEREAS, in February 2020, the individual member agencies of the three GSAs in the Basin executed that Intra-Basin Administrative Agreement for Implementation of the Sustainable Groundwater Management Act in the Santa Ynez River Valley Groundwater Basin, dated February 26, 2020 (“Intra-Basin Agreement”);

WHEREAS, in the Intra-Basin Agreement, the member agencies of the Parties agreed to develop and execute a Coordination Agreement in accordance with Water Code sections 10727(b)(3), 10727.6, and 10733.4(b)(3), and California Code of Regulations, title 23, Section 357.4;

WHEREAS, a Coordination Agreement has been prepared in consultation with staff of the member agencies of all three GSAs in the Basin and presented to this GSA for approval; and

WHEREAS, the GSA finds that the Coordination Agreement complies with the requirements of the Sustainable Groundwater Management Act (“SGMA”).

NOW THEREFORE, the GSA hereby resolves as follows:

- 1) Each of the recitals above is true and correct and is incorporated herein by reference.
- 2) The GSA finds that that the Coordination Agreement complies with the requirements of SGMA.

- 3) The GSA hereby authorizes and instructs its Chairperson to execute the Coordination Agreement in substantially the form presented to the GSA, subject to such minor changes as are approved by the Chairperson.

PASSED AND ADOPTED by the governing Committee of the WMA GSA on November 17, 2021 by the following roll call vote:

AYES:

NOES:

ABSENT:

ABSTAINED:

ATTEST:

Chris Brooks, Chairman

William J. Buelow, Secretary

**Project Scope and Estimated Costs for
Santa Ynez River Valley Groundwater Basin –
Western Management Area and Central Management Area
Sustainable Groundwater Management Act Annual Report
for Water Year 2021**

Summary

The Sustainable Groundwater Management Act (SGMA) requires annual reports which cover the conditions of the previous water year (WY)¹ starting April 1st each year after the adoption of the plan. Santa Ynez River Valley Groundwater Basin is a medium priority groundwater basin and will have a plan adopted in January 2022, with the first annual report due immediately after the plan is adopted, on April 1st 2022. This scope and cost estimate was developed as combined for the Western Management Area (WMA) and Central Management Area (CMA) of the Santa Ynez River Valley Groundwater Basin.

SGMA Annual Report Project Phases

- Data collection effort and updating effort related to collecting data related to groundwater levels, production, and surface water. Data would be updated and posted into the Santa Ynez data management system (at SYWATER.info). Estimated to take around \$7.5K of effort.
- Analysis effort to convert groundwater level information into projected groundwater level contours for the management areas and estimates of updated storage calculations. Estimated to take around \$10K of effort.
- Submission of data to DWR on the required annual report components as part of DWR's Annual Reports Module. These components include quantifying groundwater extraction by water use type, methodology used to quantify groundwater extraction, identifying sources of surface water supply, and groundwater levels at wells. Estimated to take around \$7.5K of effort.
- The text and content of the SGMA annual report is described in the regulations (23 CCR § 356.2. Annual Reports). It includes provisions describing general information summarizing the basin, hydrologic conditions in the basin including groundwater elevations, hydrographs, contour maps, summary of extraction data, surface water quantities, available surface water supplies, total water use, and storage maps. A final section includes summarizing updates related to projects and management actions from the groundwater sustainability plan. Additional supporting information may be provided as appendices.

As the first the report on Water Year 2021 will be the first report of series of annual reports, it is expected that a higher effort will be required when compared to subsequent reports. This would include sending the report to a technical editor. Drafting text and creating maps and figures is estimated to take around \$25K of effort.

¹ SGMA water years run October 1st through September 30th

- Meeting and presentation on the SGMA Annual Report. This is expected to include putting together a presentation slideshow for publication in a meeting packet as well as presentation of the results. The amount of effort required for this step is estimated around \$10K.

Proposed Timeline

Date	Actor	Action
November 2021	Stetson	Review water year end (October 2021) water level data collected by County.
December 2021	Stetson	Review water quality data collected by USGS on behalf of District and County of Santa Barbara.
Jan 3-14, 2022	Stetson	Data collection and update work.
Jan 14	District	District to provide Pumping data through Oct. 1, 2021
Jan 24-Feb 4	Stetson	Stetson to put together draft texts. Send to technical editor.
Feb 9	Editor	Stetson to receive technical edit.
Feb 11	Stetson	Stetson to provide Draft Report to District
Feb 16	Stetson	Provide Presentation draft for District Review on Feb 11
Feb 18	District	District to provide Comments on Presentation
Feb 22	Stetson	Stetson to provide finalized Presentation
March 1 – March 4	GSA	Meeting with GSA, Stetson to Present
March 4	GSA	All GSA Comments Submitted to Stetson
March 11	Stetson	Stetson to provide Draft incorporating comments to District
March 18	District	District Final Review
March 25	Stetson	Stetson to Address items from Final Review
March 29	Stetson	Submission of Final Document to DWR
April 1	-	Last Day for Submission of report to DWR

Estimated Costs

Overall expectation is that the amount of effort required for development of the first SGMA annual report will be \$60K combined for the Western Management Area and the Central Management Area. With the Western Management Area report with six subareas expected to be around \$35K of the total, and the Central Management Area of two subareas expected to be around \$25K of the total. Much of this effort will be related to the development of the document text.

The basis for this estimate is the cost for past submitted SGMA annual reports for WY2019 and WY2020. This estimate for Santa Ynez WMA and CMA takes into account that the WMA and CMA is significantly more complex of an area and generally requires more effort than the comparison basin. We think that this estimate would cover most potential sources of overages. A lower estimate has a higher probability of potential overages.

Key Assumptions and Expectations

- Expected results would be similar to Annual Reports for critically over drafted basins such as 2019 Indian Wells Valley.
- Field data collection will be through other projects. Stetson is not conducting additional fieldwork to collect data to support this effort.
- Costs are related to the report, not inclusive of any additional project and management actions that may be included in the annual report as appendices to show progress towards the GSP goal.
- District would provide updated groundwater pumping data through at least end of the District 2021 Fiscal Year (June 30, 2021). Volumes for pumping for the remaining three months (July 1 through September 30) would likely need to be projected for fiscal year total.
- Finalization of GSP document and submission to DWR in late January 2022 will not unduly conflict with the collection and writing effort of this SGMA annual report.
- The estimated costs may include around \$5- 10K of savings due to synergy expected from completing the CMA and WMA plans together (total estimated costs \$50-\$60K).
- Stetson staff is expecting to attend the meetings remotely. Travel, if required, would be expected to add around \$4K for related expenses per presenter.

Legal Requirements

CALIFORNIA CODE OF REGULATIONS TITLE 23, GROUNDWATER SUSTAINABILITY PLANS:
ARTICLE 7. Annual Reports and Periodic Evaluations by the Agency

§ 356.2. Annual Reports

Each Agency shall submit an annual report to the Department by April 1 of each year following the adoption of the Plan. The annual report shall include the following components for the preceding water year:

(a) General information, including an executive summary and a location map depicting the basin covered by the report.

(b) A detailed description and graphical representation of the following conditions of the basin managed in the Plan:

(1) Groundwater elevation data from monitoring wells identified in the monitoring network shall be analyzed and displayed as follows:

(A) Groundwater elevation contour maps for each principal aquifer in the basin illustrating, at a minimum, the seasonal high and seasonal low groundwater conditions.

(B) Hydrographs of groundwater elevations and water year type using historical data to the greatest extent available, including from January 1, 2015, to current reporting year.

(2) Groundwater extraction for the preceding water year. Data shall be collected using the best available measurement methods and shall be presented in a table that summarizes groundwater extractions by water use sector, and identifies the method of measurement (direct or estimate) and accuracy of measurements, and a map that illustrates the general location and volume of groundwater extractions.

(3) Surface water supply used or available for use, for groundwater recharge or in-lieu use shall be reported based on quantitative data that describes the annual volume and sources for the preceding water year.

(4) Total water use shall be collected using the best available measurement methods and shall be reported in a table that summarizes total water use by water use sector, water source type, and

identifies the method of measurement (direct or estimate) and accuracy of measurements. Existing water use data from the most recent Urban Water Management Plans or Agricultural Water Management Plans within the basin may be used, as long as the data are reported by water year.

(5) Change in groundwater in storage shall include the following:

(A) Change in groundwater in storage maps for each principal aquifer in the basin.

(B) A graph depicting water year type, groundwater use, the annual change in groundwater in storage, and the cumulative change in groundwater in storage for the basin based on historical data to the greatest extent available, including from January 1, 2015, to the current reporting year.

(c) A description of progress towards implementing the Plan, including achieving interim milestones, and implementation of projects or management actions since the previous annual report.

Note: Authority cited: Section 10733.2, Water Code.

Reference: Sections 10727.2, 10728, and 10733.2, Water Code



DRAFT TECHNICAL MEMORANDUM

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TO: **Santa Ynez River Water Conservation District** DATE: **November 2021**
FROM: **Stetson Engineers** JOB NO: **1126-1**
RE: **DRAFT Summary of Groundwater Levels, Storage and Sustainability in the Lompoc Upland**

1 SUMMARY

This Memorandum summarizes the status of groundwater levels and storage in the **Lompoc Upland subarea** of the Western Management Area (WMA) of the Santa Ynez River Valley Groundwater Basin (SYRVGB). Information is extracted from the Draft Groundwater Sustainability (GSP) for the WMA dated September 2021. This technical memorandum is organized into two parts:

1. Summary of water levels in the Lompoc Upland and undesirable results;
2. Summary of water budget, groundwater storage, and sustainable yield in the Lompoc Upland.

The principal groundwater aquifer for the Lompoc Upland is the Lower Aquifer, which is how the aquifer has been named historically (Bright et al. 1992¹). The Lower Aquifer consists primarily of the Paso Robles and Careaga Formations. These formations are found in the axis of the Santa Rita Syncline, which trends from the Buellton Upland through the Santa Rita and Lompoc Upland and continue under the Lompoc Plain and Lompoc Terrace.

Below are conclusions regarding the Lompoc Upland groundwater:

- Historical water levels in the Lower Aquifer including Lompoc Upland show decline over a long balanced hydrologic period (1982-2018);

¹ Bright, D.J., C.L. Stamos, P. Martin, and D.B. Nash. 1992. Ground-Water Hydrology and Quality in the Lompoc Area, Santa Barbara County, California, 1987–88. USGS Water-Resources Investigations Report 91-4172. 82 pg. doi: 10.3133/wri914172. SYWATER 71.



- Historical water levels for Vandenberg Village CSD wells lowered 8 to 10 feet during the hydrologic period of 1982 to 2018.
 - Most Lower Aquifer water levels have declined 8 to 12 feet during the period of 1982 to 2018 in nine of the thirteen Representative Monitoring Wells (RMWs) in the Lower Aquifer.
 - Water levels of the Lower Aquifer declined the most in the Santa Rita Upland Subarea where 25 to 40 feet of water level decline has been observed at three RMWs.
- No undesirable results have been observed to date, due to the historical lowering of water levels and storage in the Lower Aquifer. Groundwater production from the Lower Aquifer has not been affected.
 - Minimum thresholds for water-levels in the Lower Aquifer were set by the GSA at 20-feet below 2020 water levels at each RMW. Currently none of the RMWs for the Lower Aquifer are below the established Minimum Threshold.
 - The Water Budget for the Lower Aquifer indicates a net long-term deficit of 100 to 300 acre-feet per year (AFY) in the Lompoc Upland and 500 to 700 AFY for the entire Lower Aquifer which includes the Santa Rita Upland and portions of the Lompoc Plain sub-areas.
 - In order to avoid undesirable results in the Lower Aquifer, implementation of Projects and Management Actions proposed in the Draft WMA GSP are needed to stabilize water-levels and water in storage.

2 HISTORICAL CHANGE IN GROUNDWATER LEVELS IN THE LOMPOC UPLAND

Water level hydrographs for the five RMWs of the Lower Aquifer in the Lompoc Upland are included with this memo as Attachment A. Please refer to Appendix 3b in the Draft WMA GSP for the complete set of groundwater hydrographs for the RMWs. Excerpts from the Draft WMA GSP 3b.2-1 Chronic Lowering of Groundwater Levels – Undesirable Results are below describing the changes in water levels in the Lower Aquifer:

Measured water levels in wells in the Lower Aquifer exhibit long-term declines that are not correlated to water year type or surface water availability (e.g., Section 2b.1; Groundwater Conditions; Figure 2b.1-4H). (pg. 3b-6)

Since 1980, groundwater elevations have declined in the Lompoc Upland by 11 feet (Section 2b.1; Groundwater Conditions; Figure 2b.1-6B) and in the Santa Rita Upland by as much as 50 feet (Section 2b.1; Groundwater Conditions; Figure 2b.1-7B). (pg. 3b-7)

Despite the observed declines in groundwater levels, the Draft WMA GSP concludes that no undesirable results are occurring and there has been no change in the volume of groundwater production or number of wells in production. Please refer to the following excerpt from the Draft WMA GSP:

In addition to historical pumping data, historical well activity information (Figure 3b.2-1) indicates that the number of active and inactive wells in the WMA has also been relatively steady from 2005 to 2021. Based on these historical data, undesirable results associated with chronic lowering of groundwater levels have not been observed, and are not currently occurring, in the WMA. (pg. 3b-7)

3 LOMPOC UPLAND WATER BUDGET AND SUSTAINABLE YIELD

Water levels in select RMWs in the Lower Aquifer suggest a long-term trend of decline over balanced hydrologic periods. The Draft WMA GSP (pages 2c-35 and 2c-36) suggests that groundwater storage in the Lompoc Upland has been decreasing by about 100 to 300 AFY. Water levels and storage could be stabilized by implementing Projects and Management Actions proposed in the Draft WMA GSP.

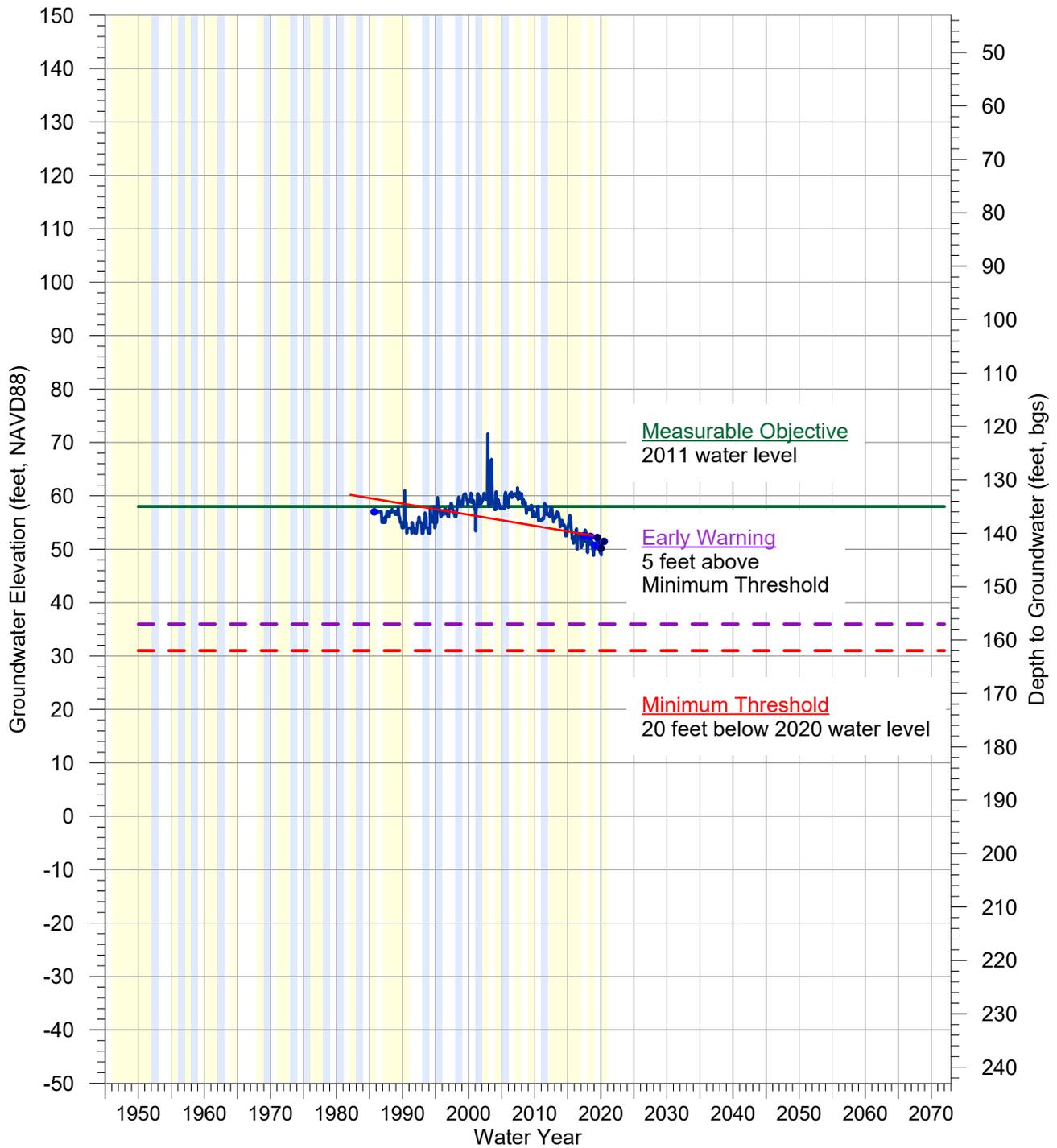
*The average annual pumping and change in storage totals for each subarea for the historical period (1982 through 2018, 37 years) are shown in **Table 2c.2-8**. In addition, the period 2002 through 2011 (10 years) is another balanced hydrologic period within the historical period (1982 through 2018), with the precipitation at Lompoc averaging 14.5 inches/year, which is within 1% of the long-term average of 14.6 inches/year. This water budget analysis indicates that the perennial yield of the basin is approximately 26,000 to 27,000 AFY. It should be recognized that the definitions of safe/perennial/sustainable yield and overdraft reflect conditions of water supply and use over a long-term period. The historical period (1982 through 2018) and 2002 through 2011 are both representative of long-term average conditions.*



TABLE 2C.2-1
AVERAGE PUMPING AND CHANGE IN STORAGE
FOR PERIODS REPRESENTATIVE OF AVERAGE PRECIPITATION IN THE BASIN

Groundwater Subarea	Average 1982-2018			Average 2002-2011		
	Annual Pumping (AFY)	Annual Change in Storage (AFY)	Perennial Yield: Pumping + Change in Storage (AFY)	Annual Pumping	Annual Change in Storage (AFY)	Perennial Yield: Pumping + Change in Storage (AFY)
Lompoc Plain	22,800	-640	22,160	21,703	310	22,000
Lompoc Upland	3,130	-110	3,020	3,440	-294	3,150
Santa Rita Upland	1,350	-250	1,100	1,681	-386	1,300
Lompoc Terrace	0	0	0	0	0	0
TOTAL WMA:	27,280	-1,000	26,280	26,824	-369	26,450

**WMA Representative Monitoring Well
for Lower Aquifer
(Lompoc Upland Subarea)
7N/34W-15D3**



- Vandenberg Village CSD
- USGS (344142120272301)
- County of Santa Barbara
- Ground Surface (193 feet above mean sea level)
- Depth of Well (683 feet); Perforations 458-683 feet

**DRAFT
6/8/2021**

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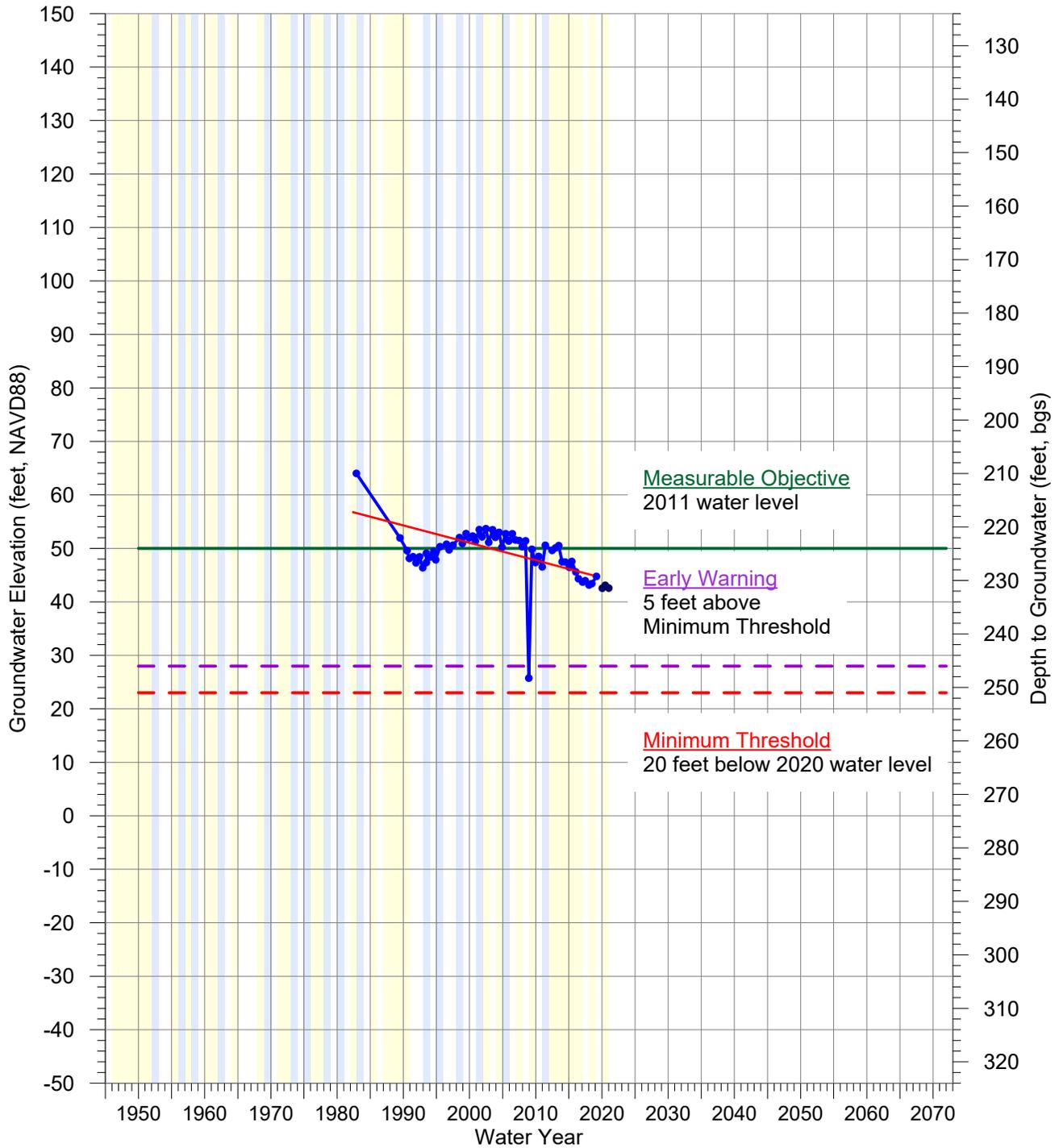
**REPRESENTATIVE
MONITORING WELL
Lower Aquifer - Lompoc Upland**

Water Year Type (1942-2020)

- Wet
- Above/Below Normal
- Dry / Critically Dry

CASGEM ID
49142
Voluntary

**WMA Representative Monitoring Well
for Lower Aquifer
(Lompoc Upland Subarea)
7N/34W-14F4**



- USGS (344126120255201)
- County of Santa Barbara
- Ground Surface (274 feet above mean sea level)
- Depth of Well (540 feet); Perforations TBD

**DRAFT
6/8/2021**

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**REPRESENTATIVE
MONITORING WELL
Lower Aquifer - Lompoc Upland**

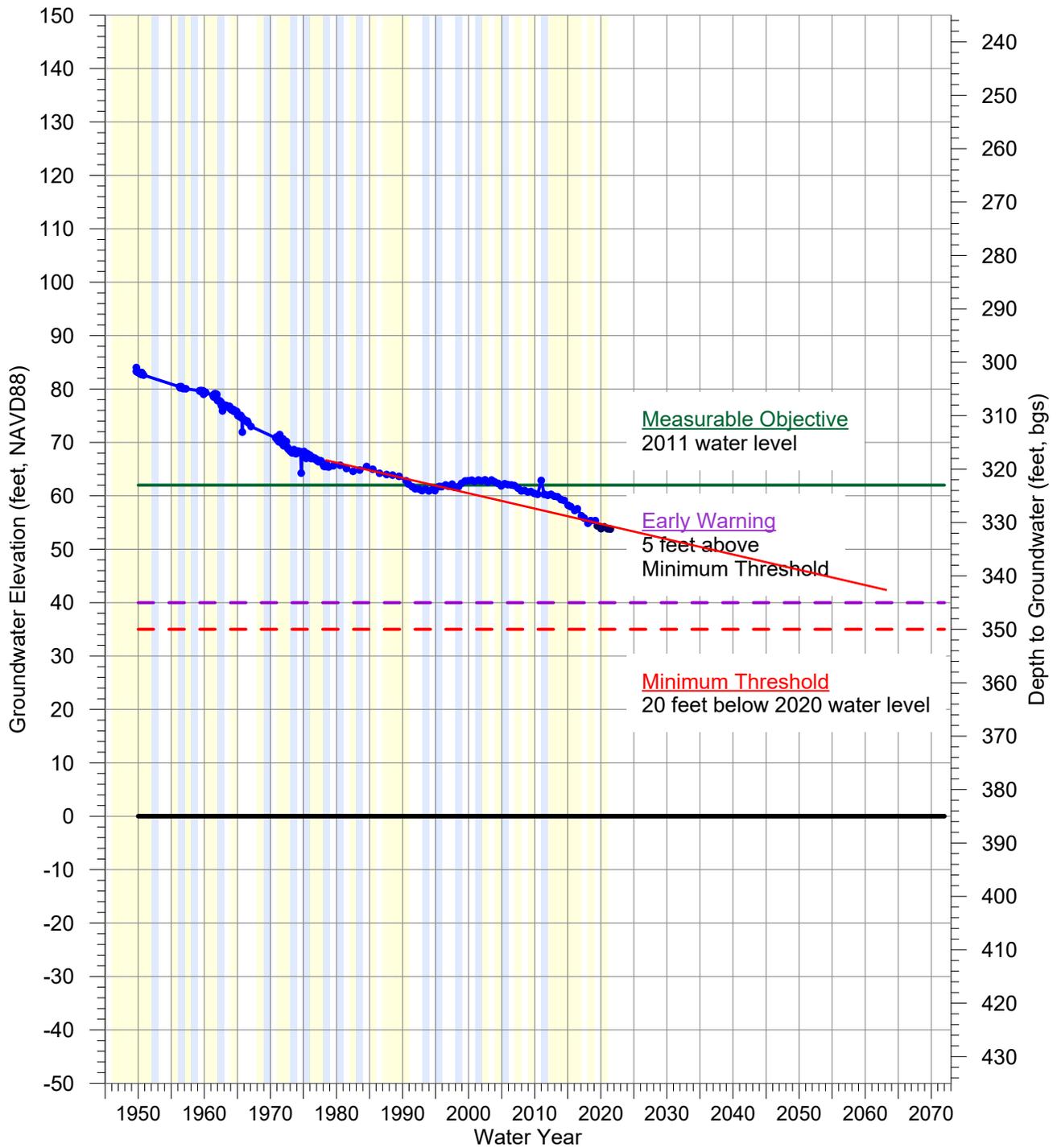
Water Year Type (1942-2020)

- Wet
- Above/Below Normal
- Dry / Critically Dry



CASGEM ID
49139
CASGEM

**WMA Representative Monitoring Well
for Lower Aquifer
(Lompoc Upland Subarea)
7N/34W-12E1**



- USGS (344219120250601)
- County of Santa Barbara
- Ground Surface (386 feet above mean sea level)
- Depth of Well (385 feet); Perforations TBD

**DRAFT
6/8/2021**

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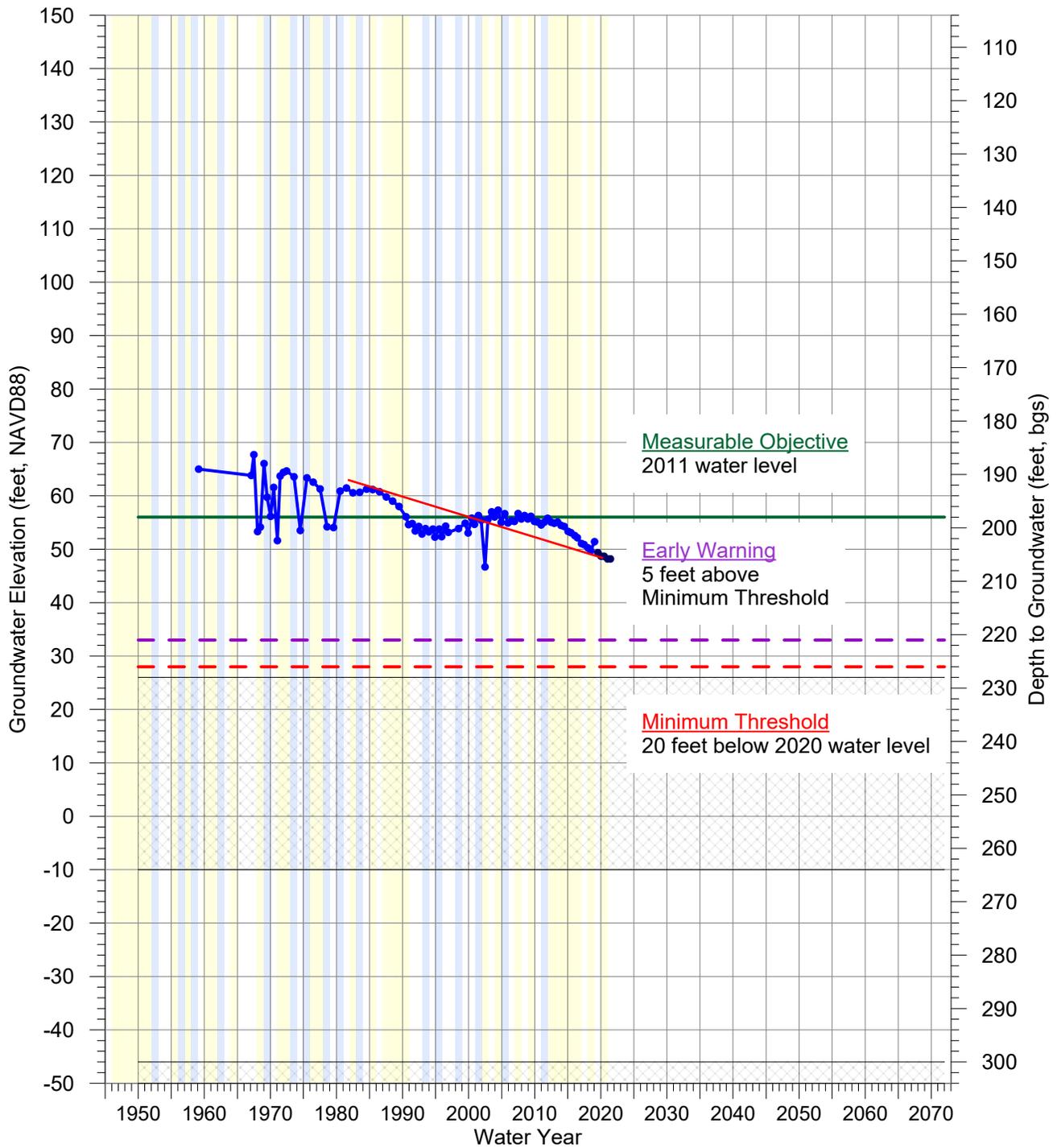
**REPRESENTATIVE
MONITORING WELL
Lower Aquifer - Lompoc Upland**

Water Year Type (1942-2020)

- Wet
- Above/Below Normal
- Dry / Critically Dry

CASGEM ID
49143
Voluntary

**WMA Representative Monitoring Well
for Lower Aquifer
(Lompoc Upland Subarea)
7N/33W-19D1**



- USGS (344035120235901)
- County of Santa Barbara
- Ground Surface (254 feet above mean sea level)
- Depth of Well (552 feet)
- Perforations 228-264; 300-552 ft

**DRAFT
6/8/2021**



**REPRESENTATIVE
MONITORING WELL
Lower Aquifer - Lompoc Upland**

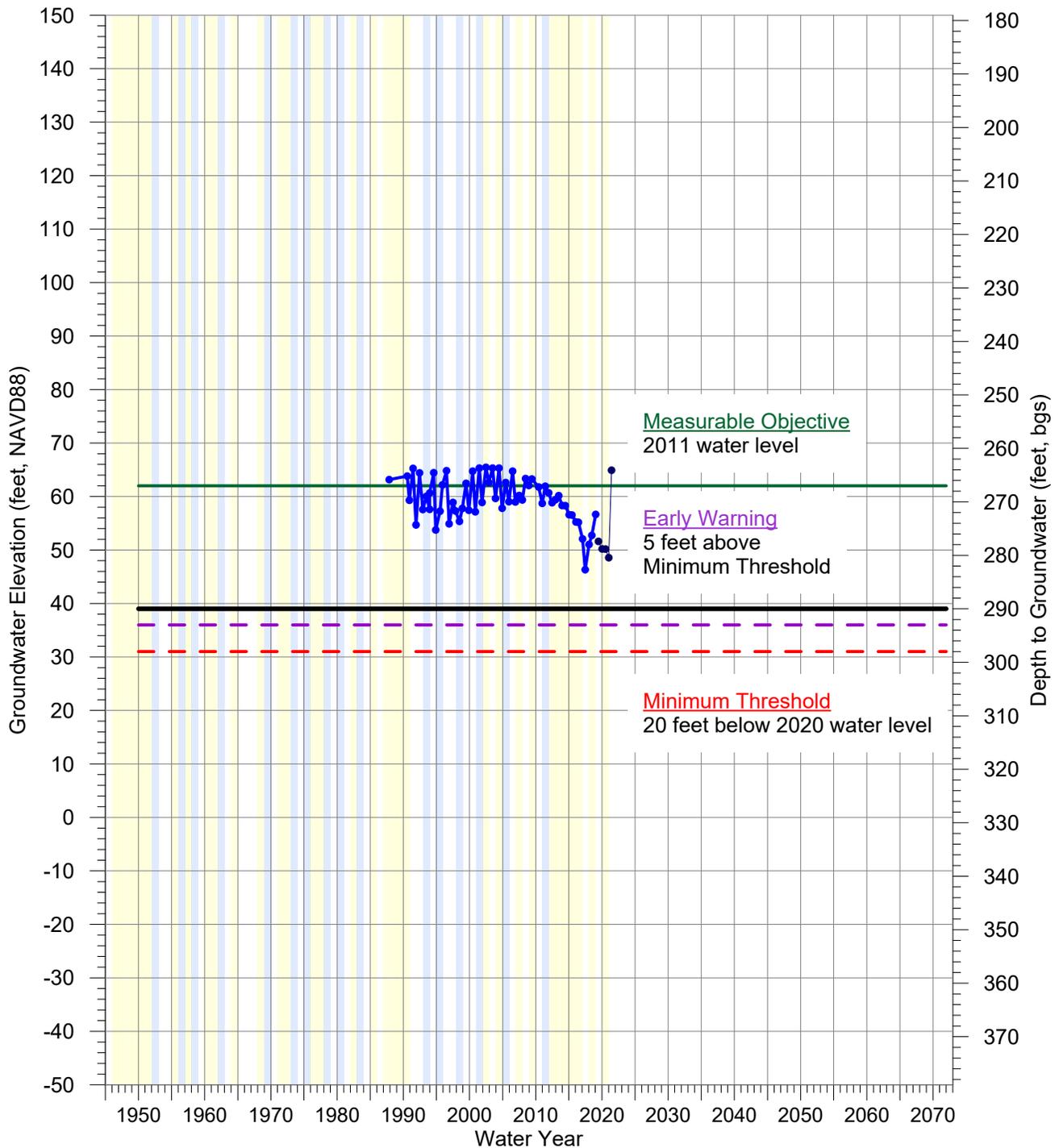
Water Year Type (1942-2020)

- Wet
- Above/Below Normal
- Dry / Critically Dry

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CASGEM ID
49144
Voluntary

**WMA Representative Monitoring Well
for Lower Aquifer
(Lompoc Upland Subarea)
7N/33W-17M1**



- USGS (344100120224901)
- County of Santa Barbara
- Ground Surface (329 feet above mean sea level)
- Depth of Well (290 feet); Perforations TBD

**DRAFT
6/8/2021**

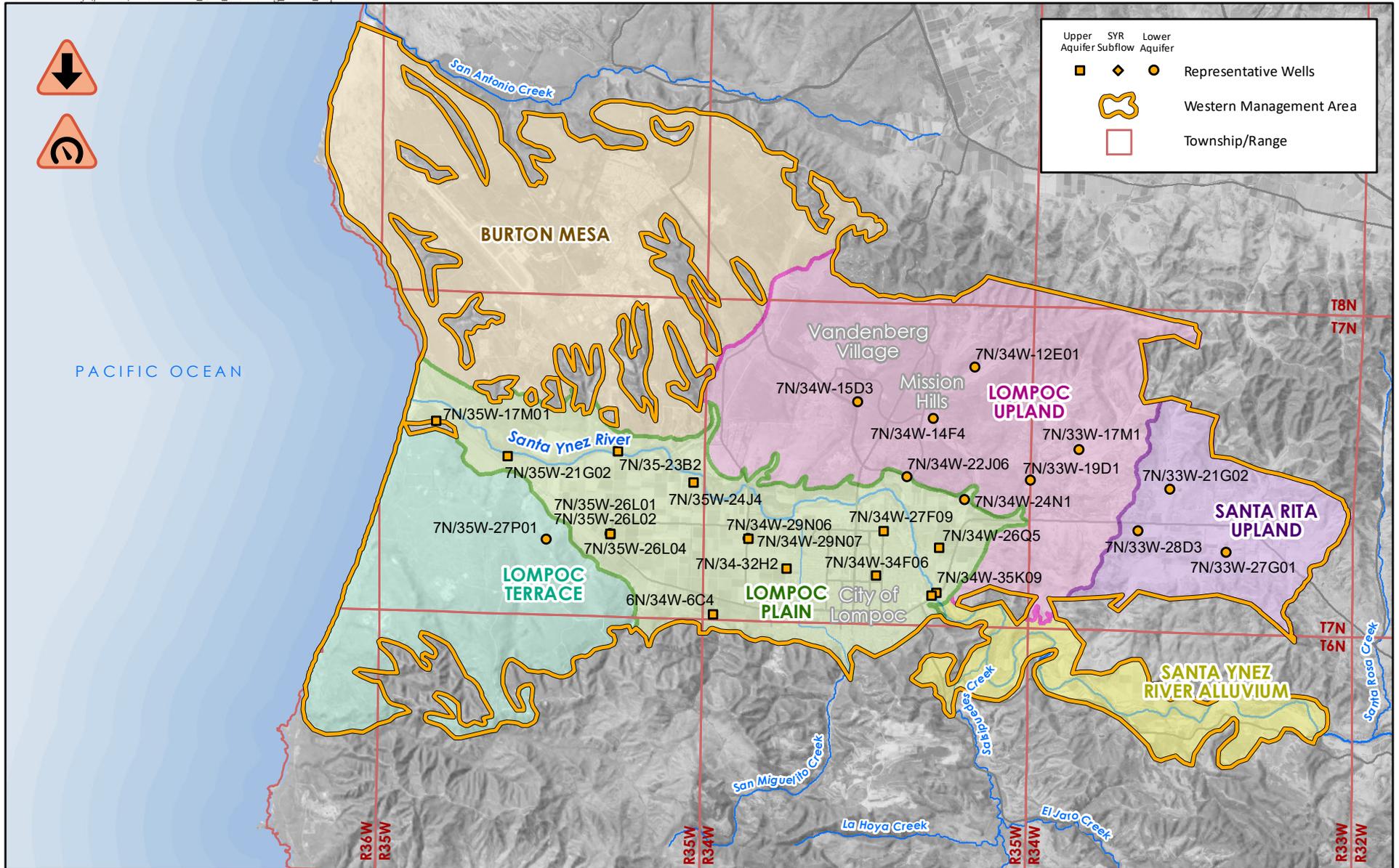


**REPRESENTATIVE
MONITORING WELL
Lower Aquifer - Lompoc Upland**

Water Year Type (1942-2020)

- Wet
- Above/Below Normal
- Dry / Critically Dry

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**WMA REPRESENTATIVE MONITORING WELLS
FOR GROUNDWATER LEVELS AND
GROUNDWATER STORAGE**



FIGURE 3b.2-2