

Notice and Agenda of a Meeting of the Yucaipa Sustainable Groundwater Management Agency

Workshop

Wednesday, May 26, 2021 at 10:00 a.m.

(909) 797-2489 | www.yucaipasgma.org

Due to the spread of COVID-19 and in accordance with the Governor's Executive Order N-29-20, this meeting will be conducted by teleconference only. There will be no location available to attend this meeting in person.

**This meeting is available by calling
(888) 788-0099 using Meeting ID 895-6292-0203#**

**View the meeting online at
<https://sbvmwd.zoom.us/j/89562920203>**

- I. Call to Order**
- II. Roll Call**
- III. Public Comments** At this time, members of the public may address the representatives of the Yucaipa Groundwater Sustainability Agency on matters within its jurisdiction.
- IV. Correspondence**
 - A. Discussion of Email Message from the Nature Conservancy dated May 19, 2021
- V. Review and Approval of Minutes**
 - A. April 28, 2021 - Board Meeting
- VI. Discussion Items**
 - A. COVID-19 Update
 - B. Presentation - Update on the Yucaipa-SGMA Data Management System
 - C. Status Update on the Activities Related to the Preparation of the Groundwater Sustainability Plan
 - 1. Discussion of the revised Sustainability Criteria, Measurable Objectives, and Minimum Thresholds for the Western Heights, North Bench, Calimesa, and San Timoteo Management Areas
 - 2. Discussion of the Proposed Plan Implementation/Proposed Management Actions
 - D. Discussion of Draft Chapters 1, 2, and 3 of the Groundwater Sustainability Plan
 - E. Status Report on the SGMA Grant and Financial Status
- VII. Topics for Future Meetings**
 - Discussion regarding potential projects to be included in the groundwater model and the Groundwater Sustainability Plan
 - Review of comments from Draft Chapter 1, Draft Chapter 2, and Draft Chapter 3

- Discussion regarding the Groundwater Sustainability Plan implementation and alternative solutions to potential issues.
- Discussion Regarding Measurable Objectives for Each Management Area
- Discussion Regarding Management Actions and a Fee Structure for Each Management Area

VIII. Comments by Board of Directors

IX. Announcements - Future Meetings

- A. Wednesday, June 23, 2021 at 10:00 am - Workshop - *Teleconference*
- B. Wednesday, July 28, 2021 at 10:00 am - **Board Meeting** - *Teleconference*
- C. Wednesday, August 25, 2021 at 10:00 am - Workshop - *Teleconference*
- D. Wednesday, September 22, 2021 at 10:00 am - Workshop - *Teleconference*
- E. Wednesday, October 27, 2021 at 10:00 am - **Board Meeting** - *Teleconference*
- F. Wednesday, January 26, 2022 at 10:00 am - **Board Meeting** - *Teleconference*

X. Adjournment

Roll Call - Board of Directors

	Present	Primary Representative	Present	Alternative Representative
Purveyors				
South Mesa Water Company		David Armstrong		George Jorritsma
South Mountain Water Company		Bob Martin		Rolland Moore
Western Heights Water Company		Mark Iverson		Tim Green
Yucaipa Valley Water District		Joseph Zoba		Jennifer Ares
Municipals				
City of Redlands		Cecilia Griego		Kevin Watson
City of Yucaipa		Ray Casey		Fermin Preciado
Regionals				
San Bernardino Valley MWD		Bob Tincher		Matt Howard
San Geronio Pass Water Agency		Lance Eckhart		Thomas Todd
* Quorum of the Board of Directors requires a total of five Purveyor, Municipal, Regional Members				

Stakeholders				
County of Riverside		Steve Horn		Jeff Johnson
County of San Bernardino		Bob Page		- -
City of Calimesa		Bonnie Johnson		

Future Dates and Milestones

The dates provided below are subject to change.

Public Presentation of the Goals and Objectives of the Groundwater Sustainability Plan - Meeting Number 2	April 28, 2021 at 6:00pm
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Distribution of the Administrative Draft of the Yucaipa SGMA Groundwater Sustainability Plan	
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Final Groundwater Sustainability Plan Submitted to the Department of Water Resources for Review and Approval	June 30, 2021
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Groundwater Sustainability Plan Legislative Deadline	January 31, 2022
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From: The Nature Conservancy <tncgroundwater@gmail.com>

Sent: Wednesday, May 19, 2021 9:28:14 AM

To: Mark Iverson <m.iverson@westernheightswater.org>

Subject: Yucaipa Basin GSP Draft Publication Dates

Good morning Mark,

I am reaching out to ask about publication dates of the Yucaipa Basin GSP draft. Does the basin intend to release the plan by chapter or all at one time? When are the expected publication dates for the chapters/draft?

Thank you for your help.

Take care,

Paige Hughes

Operations Coordinator

The Nature Conservancy

MINUTES OF THE YUCAIPA SUSTAINABLE GROUNDWATER MANAGEMENT AGENCY

Board Meeting - April 28, 2021 - 10:00 a.m. - - Online Meeting - -

On March 4, 2020, Governor Gavin Newsom declared a State of Emergency resulting from the threat of COVID-19 and issued Executive Order N-25-20 (3-12-20) and Executive Order N-29-20 (3-17-20) which temporarily suspend portions of the Brown Act relative to conducting public meetings. Subsequent thereto, Governor Newsom issued Executive Order N-33-20 (3-19-20) ordering all individuals to stay at home or at their place of residence. Accordingly, it has been determined that all meetings of the Yucaipa Sustainable Groundwater Management Agency will be held via teleconference. There will be no public access to the meeting venue.

- I. Call to Order - Chairman Mark Iverson called the meeting to order at 10:00 a.m.
- II. Roll Call - The following representatives, as assigned by each Party, attended the meeting:

Purveyors	Present	Primary Representative	Present	Alternative Representative
South Mesa Water Company	✓	David Armstrong	✓	George Jorritsma
South Mountain Water Company		Bob Martin		Rolland Moore
Western Heights Water Company	✓	Mark Iverson	✓	Tim Green
Yucaipa Valley Water District	✓	Joseph Zoba	✓	Jennifer Ares
Municipals				
City of Redlands		Cecilia Griego		Kevin Watson
City of Yucaipa		Ray Casey	✓	Fermin Preciado
Regionals				
San Bernardino Valley MWD		Bob Tincher	✓	Matt Howard
San Geronio Pass Water Agency	✓	Lance Eckhart		Thomas Todd
Stakeholders				
County of Riverside		Steve Horn		Jeff Johnson
County of San Bernardino		Bob Page		
City of Calimesa		Bonnie Johnson		

A quorum of the Board of Directors was present to start the meeting.

In addition to the Board of Directors identified above, the following members of the public were registered as attending the meeting:

- Madeline Blua - Yucaipa Valley Water District
- Derek Hoffman - Gresham Savage representing South Mesa Water Company
- Joyce McIntire - Yucaipa Valley Water District
- Adekunle Ojo - San Bernardino Valley Municipal Water District

- Mike Podegracz - Charles Abbott Associates representing the City of Yucaipa
- Steve Stuart - Dudek

III. Public Comments

None

IV. Correspondence

A. Notice by the San Gorgonio Pass Water Agency of their preparation of a 2020 Urban Water Management Plan

B. Community Meeting Notice

V. Review and Approval of Minutes

A. March 24, 2021 - Board Meeting

Mark Iverson moved to approve the board meeting minutes for March 24, 2021.

David Armstrong seconded the motion.

South Mesa Water Company	Yes
South Mountain Water Company	Absent
Western Heights Water Company	Yes
Yucaipa Valley Water District	Yes
City of Redlands	Absent
City of Yucaipa	Yes
San Bernardino Valley MWD	Yes
San Gorgonio Pass Water Agency	Yes

VI. Discussion Items

A. COVID-19 Update

Matt Howard provided information about the current status of COVID-19 and the need to continue to conduct online meetings until further notice.

The next public meeting will likely be via teleconference.

B. Status Update on the Activities Related to the Preparation of the Groundwater Sustainability Plan

Steve Stuart provided an overview of the topics to be discussed at the board meeting.

C. Consider Proposed Management Areas – Western Heights, North Bench, Calimesa, and San Timoteo Management Areas

Steve Stuart discussed the development of Management Areas based on existing geological structures, distribution of groundwater wells, and groundwater

dependent ecosystems. The proposed Management Areas will each have individual sustainability criteria to monitor and avoid undesirable results.

Mark Iverson moved to adopt the proposed Management Areas identified as the North Bench Management Area, Western Heights Management Area, San Timoteo Management Area, and Calimesa Management Area.

Joseph Zoba seconded the motion.

South Mesa Water Company	No
South Mountain Water Company	Absent
Western Heights Water Company	Yes
Yucaipa Valley Water District	Yes
City of Redlands	Absent
City of Yucaipa	Yes
San Bernardino Valley MWD	Yes
San Gorgonio Pass Water Agency	Yes

1. Consider Sustainability Criteria and Projected Conditions for the Western Heights, North Bench, Calimesa, and San Timoteo Management Areas

Steve Stuart discussed the need to set sustainability criteria for each of the Management Areas to prevent significant and unreasonable effects associated with the operation of the groundwater basins. The sustainability criteria would include two measurable objectives established at (1) the historical low in groundwater level and (2) a 30% to 60% loss in well field production. The proposed minimum threshold would be established as an undesirable result of more than 70% loss in well field production or a significant loss in groundwater dependent ecosystems.

The meeting participants discussed alternative approaches to setting measurable objectives for each of the Management Areas.

Steve Stuart stated that he would review the information and prepare an alternative approach to the creation of measurable objectives.

2. Discussion of the Proposed Management Actions

Steve Stuart presented conceptual management actions that will be refined and presented at a future meeting.

- D. Discussion of Draft Chapters 1, 2, and 3 of the Groundwater Sustainability Plan

Comments have been received from South Mesa Water Company and the City of Yucaipa. Additional comments should be provided through the SharePoint site.

- E. Status Update on Draft Chapter 4 Projects and Management Actions

Steve Stuart reported that Chapter 4 is planned to be released in May 2021.

F. Discussion of the First Annual Report for the Sustainable Groundwater Management Agency

The first annual report will be due to the Department of Water Resources on April 1, 2022.

G. Status Report on the SGMA Grant and Financial Status

Matt Howard reported that the planning activities of the Yucaipa Sustainable Groundwater Management Agency is at 97% complete and the Groundwater Sustainability Plan preparation is 69% complete.

H. Discussion Regarding the First Community Engagement Meeting

The first community engagement meeting is scheduled for this evening at 6:00pm. The focus will be on Chapter 1 and Chapter 2 of the Groundwater Sustainability Plan.

VII. Topics for Future Meetings - Suggested meeting dates are provided below and will be adjusted based on the progress of each topic.

- Discussion regarding potential projects to be included in the groundwater model and the Groundwater Sustainability Plan
- Review of comments from Draft Chapter 1, Draft Chapter 2, and Draft Chapter 3
- Discussion regarding the Groundwater Sustainability Plan implementation and alternative solutions to potential issues.
- Discussion Regarding Measurable Objectives for each Management Area
- Discussion Regarding Management Actions and a Fee Structure for each Management Area

VIII. Comments by the Board of Directors

None

IX. Announcements

The next scheduled meeting for the Yucaipa Sustainable Groundwater Management Agency will be a workshop on Wednesday, May 26, 2021 at 10:00 a.m. by teleconference.

X. Adjournment - The meeting was adjourned at 11:30 am.

DRAFT – SUBJECT TO REVISION

Yucaipa-SGMA

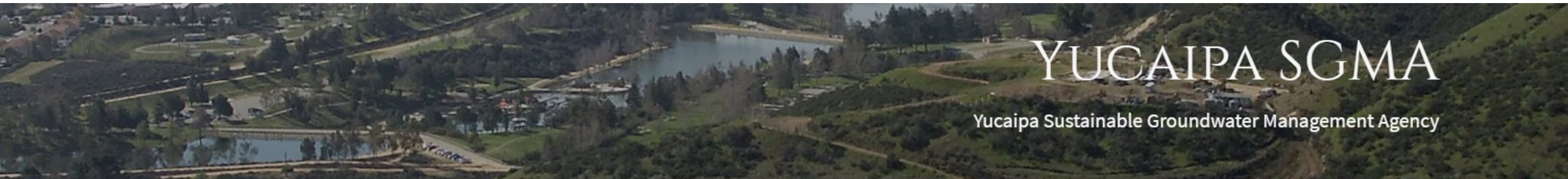
Groundwater Sustainability Plan (GSP)

Development

Yucaipa GSA Workshop
May 26, 2021

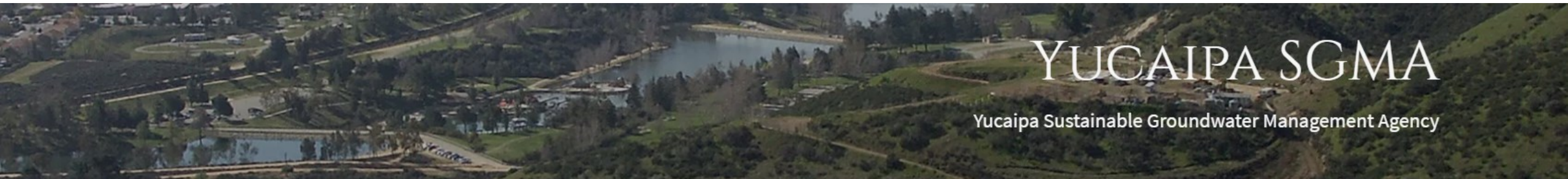
Presentation Outline

- COVID-19 Update
- Data Management System Update and Demonstration
- Consideration of Sustainability Criteria
- Status on Preparation of GSP
 - Proposed Management Actions
- Status on Draft GSP
- Update on Financial Status



COVID-19 Update

- DWR released statement on 4/13/20
 - Essential Work Continues
- DWR to assist with public participation
 - Executive Order N-29-20 (March 17, 2020) suspends requirement for public location of meetings – still in effect
 - Use multiple channels to notify community of remote options for public meetings
 - Live participation in meetings via telephone and online tools
 - Extend public comment periods

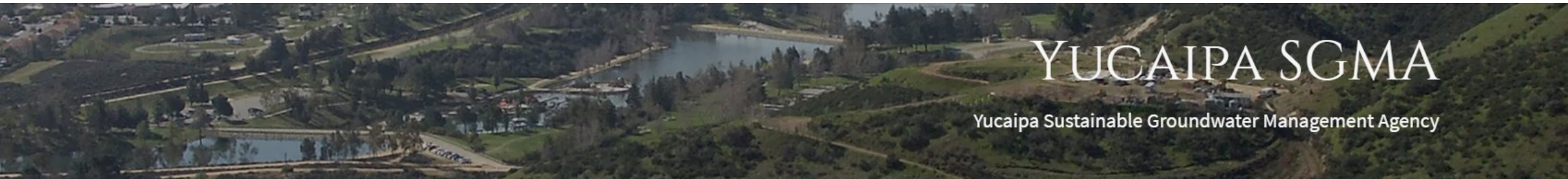


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Data Management System Update and Demonstration

- Matt Palavido (Dudek) to provide update
- Yucaipa GSP DMS demonstration



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Sustainable Management Criteria

1. Sustainability Goal

Overriding statement on preventing undesirable results within the 20-year implementation period

2. Undesirable Results

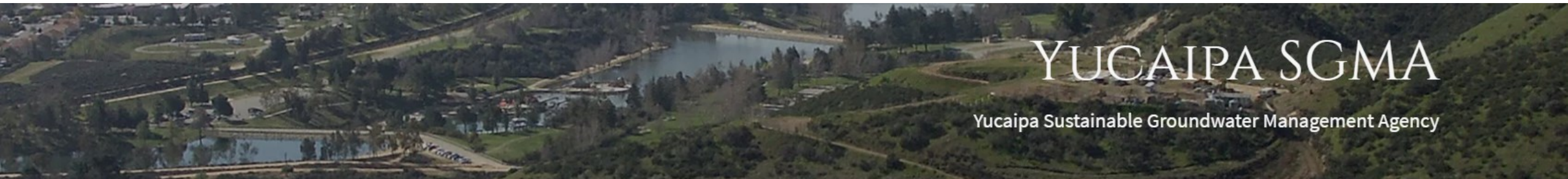
Conditions in Management Areas that cause an undesirable result

3. Minimum Thresholds

Point when undesirable condition occurs

4. Measurable Objectives

- a) Milestones marking progress in achieving the sustainability goal
- b) Provide operational flexibility

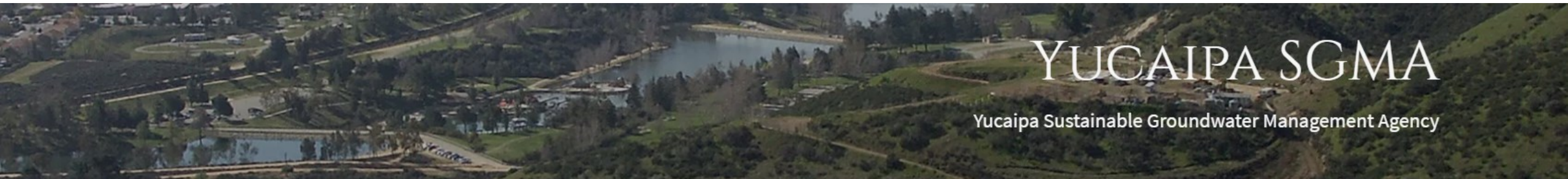


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Confirm Sustainability Criteria

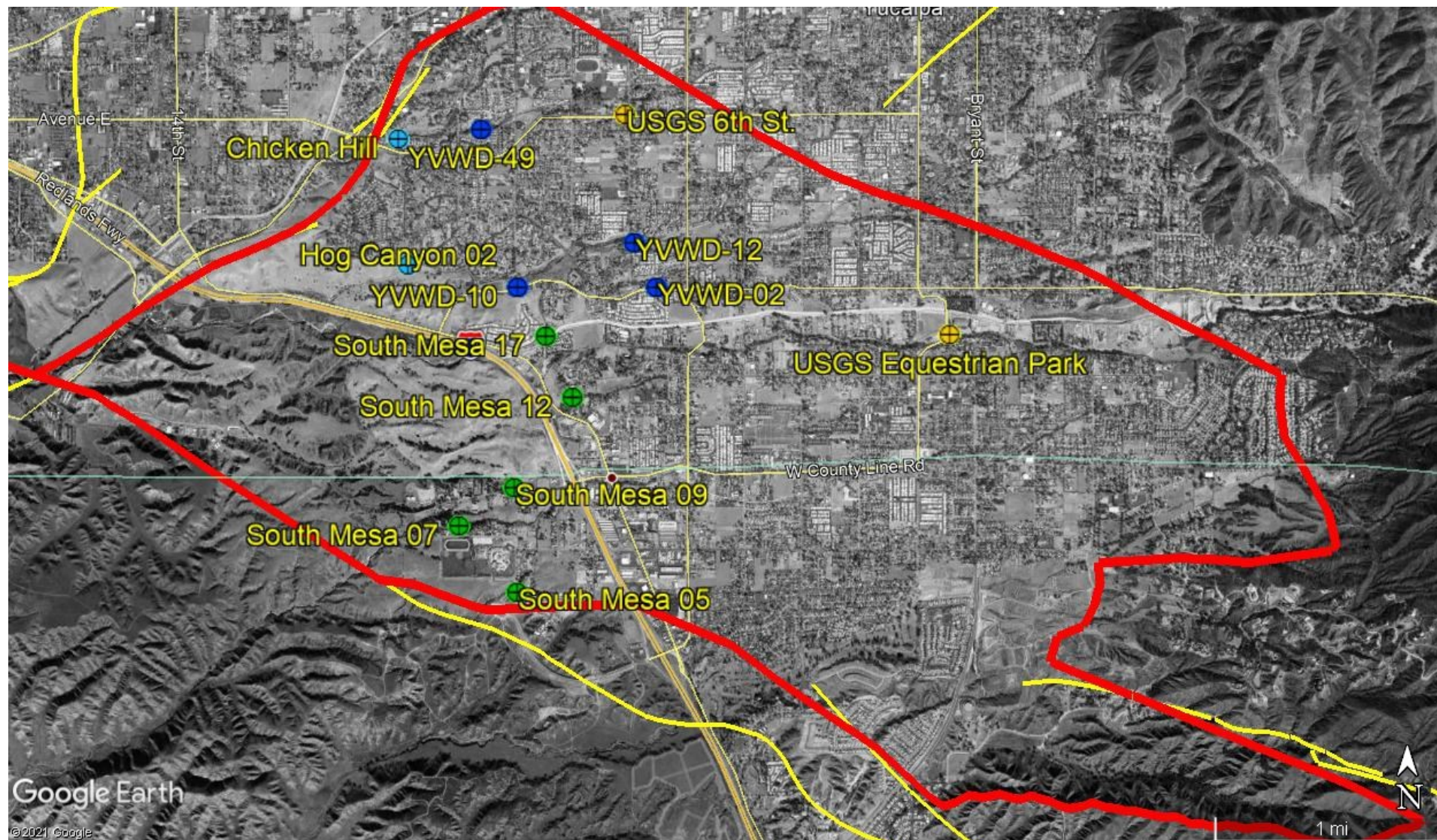
- **Confirm Goals of Sustainability Criteria**
 - To avoid the undesirable result of depleting groundwater storage by 15% to 20% from current conditions
 - To avoid loss of groundwater dependent ecosystems
- **Measurable Objective #1 – Historical Low in Groundwater Level**
- **Measurable Objectives #2, #3 – 5% to 15% Depletion in Storage**
 - Operational Flexibility – Implement actions and projects to avoid undesirable results
- **Minimum Threshold**
 - **Undesirable results – 15% to 20% loss in storage from current condition; loss in GDEs**



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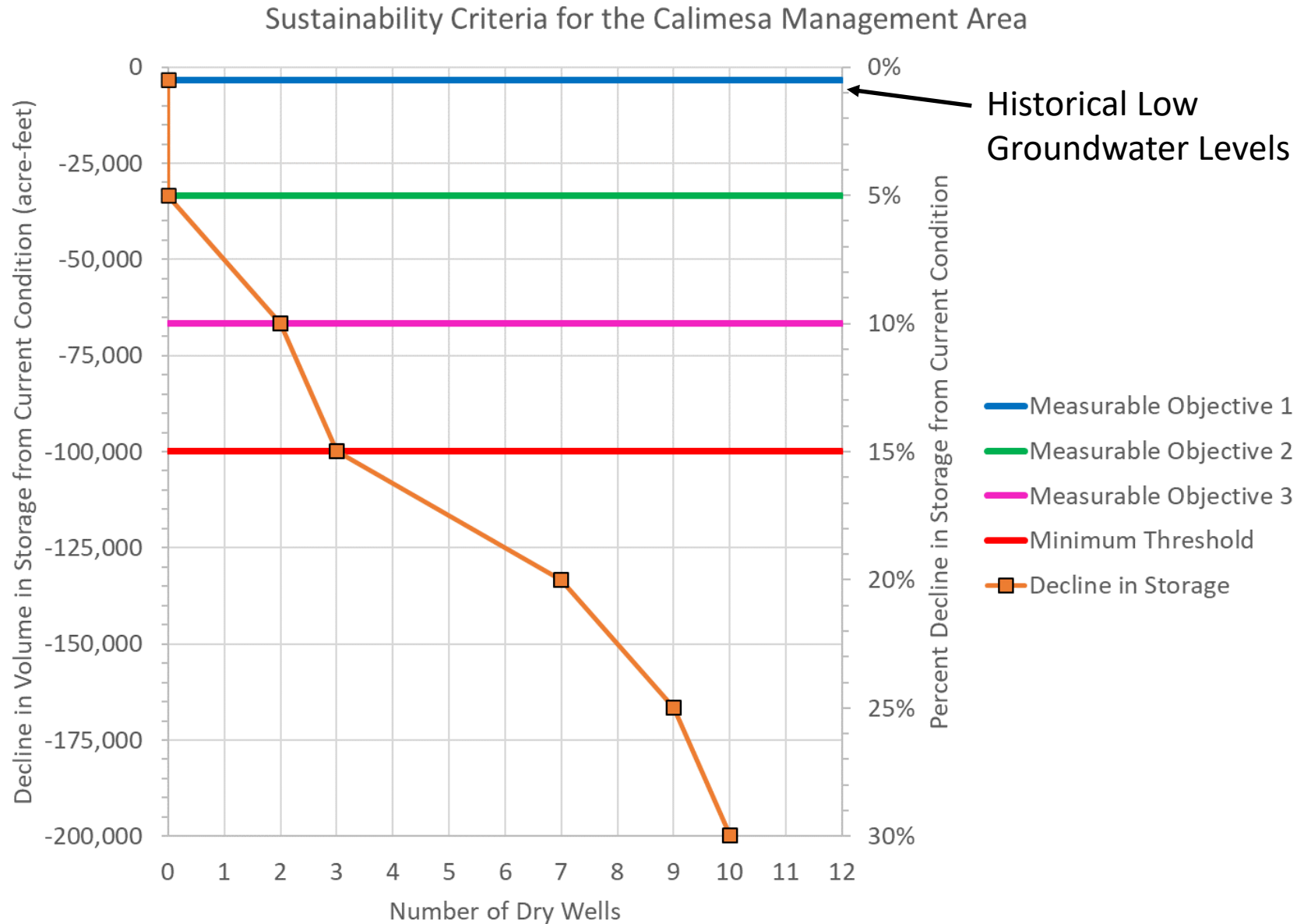
Yucaipa Sustainable Groundwater Management Agency

Wells Used to Develop Calimesa Management Area Sustainability Criteria



Calimesa Management Area Sustainability Criteria

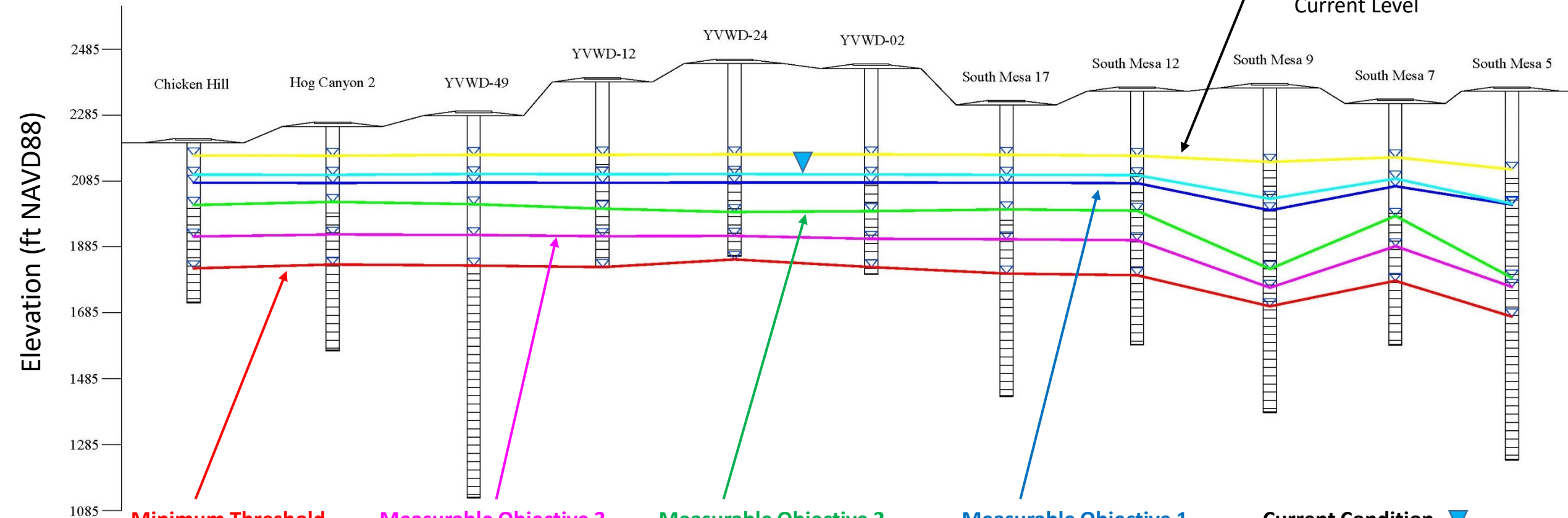
Estimated Volume in Storage in September 2018 = 666,000 AF (Geoscience, 2021)



Calimesa Management Area – Sustainability Criteria

Historical High

- Groundwater Levels on March 1987
- Avg. 60 Feet Above Current Level



Minimum Threshold

- -100,000 AF (15%) from Current Level
- YVWD-24 Dry (~15% of production)
- Avg. 230 Feet Below Current Level

Measurable Objective 3

- -66,600 AF (10%) from Current Level
- South Mesa 11 and 16 are Dry (~3% of production)
- Avg. 150 Feet Below Current Level

Measurable Objective 2

- -33,300 AF (5%) from Current Level
- No wells are dry
- Avg. 80 Feet Below Current Level

Measurable Objective 1

- Historical Low Groundwater Level
- -3,300 AF (0.5%) from Current Level
- No Wells are Dry
- Avg. 22 Feet Below Current Level

Current Condition ▼

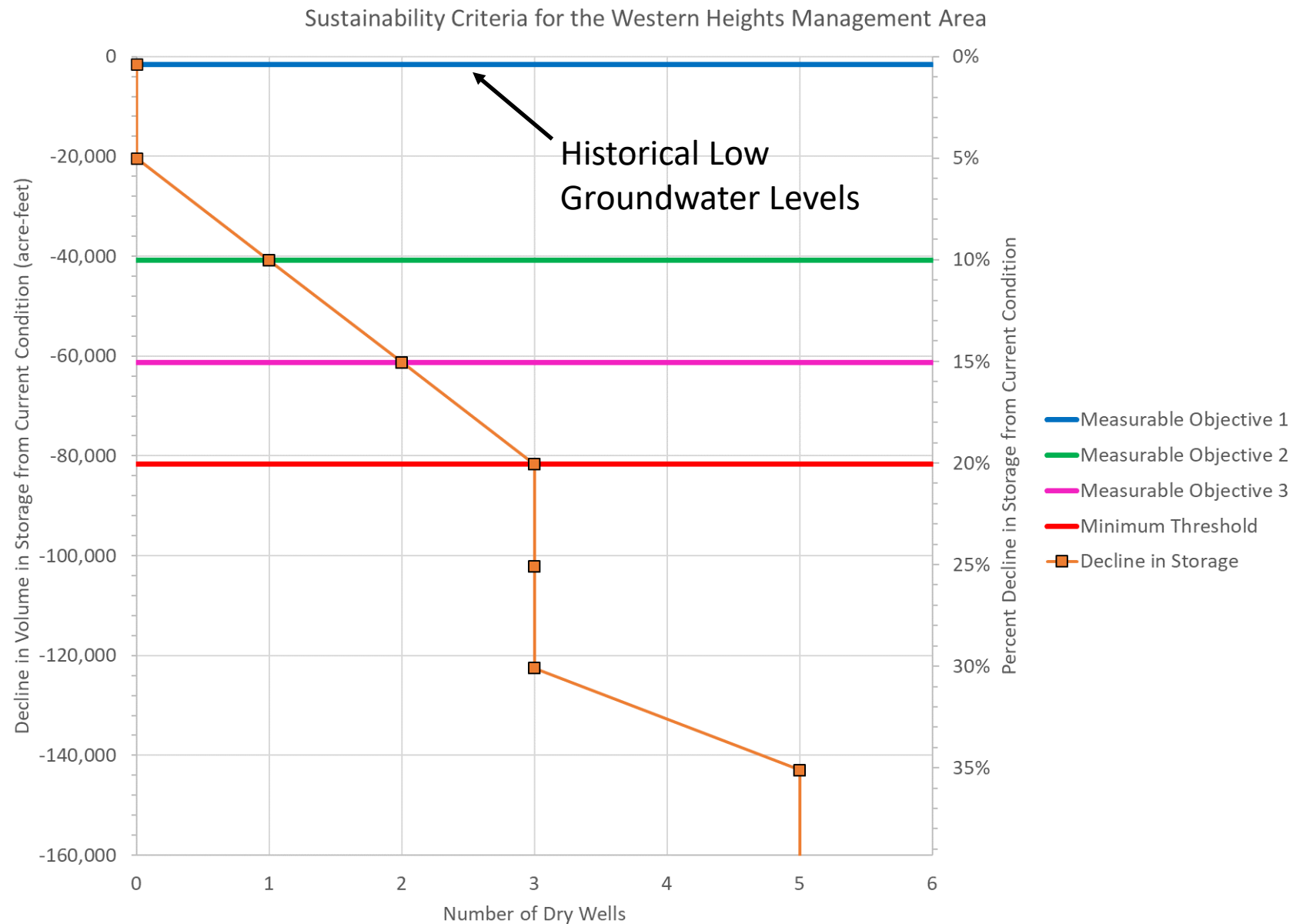
- Groundwater Levels on 9/30/18

Wells Used to Develop Western Heights Management Area Sustainability Criteria

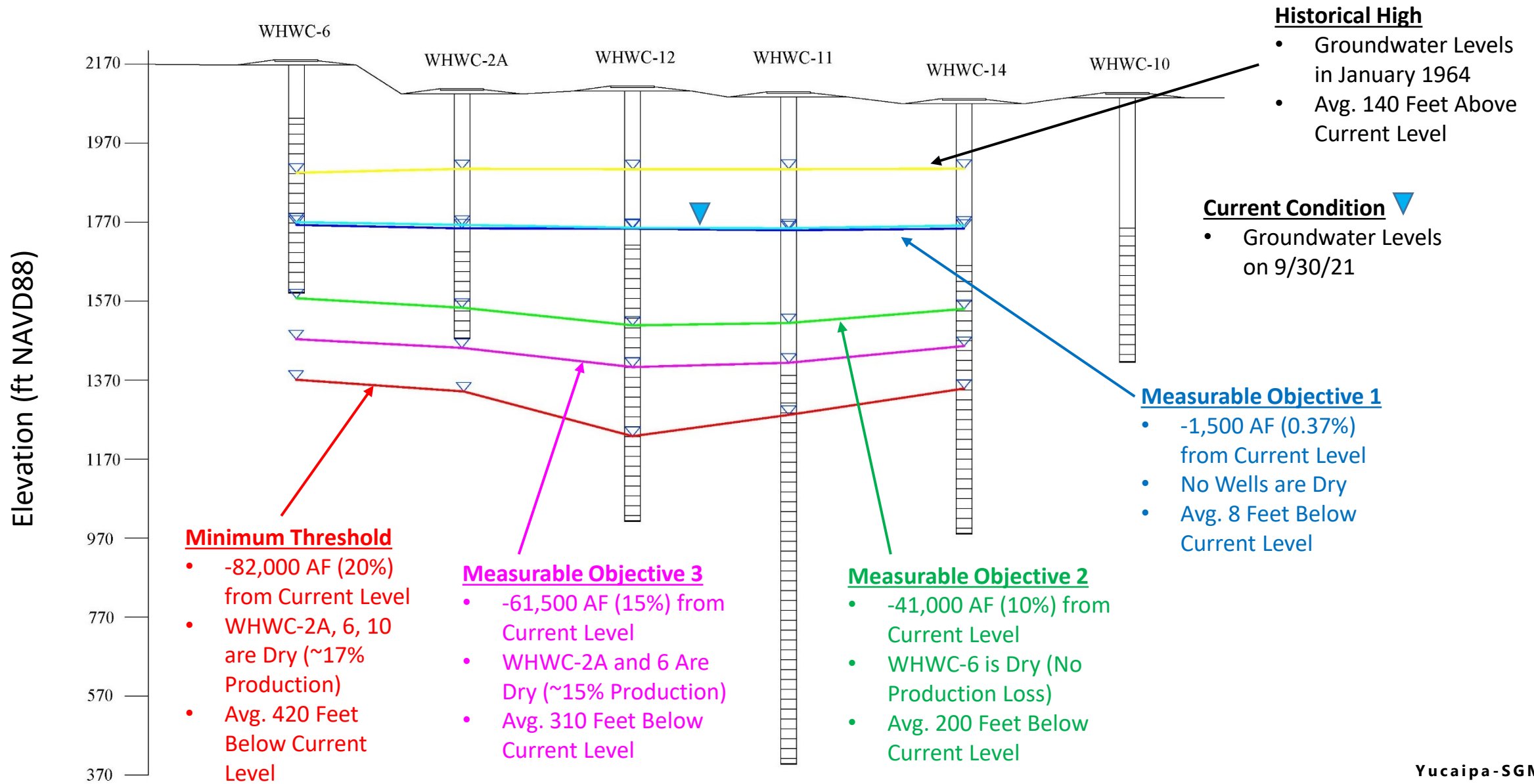


Western Heights Management Area Sustainability Criteria

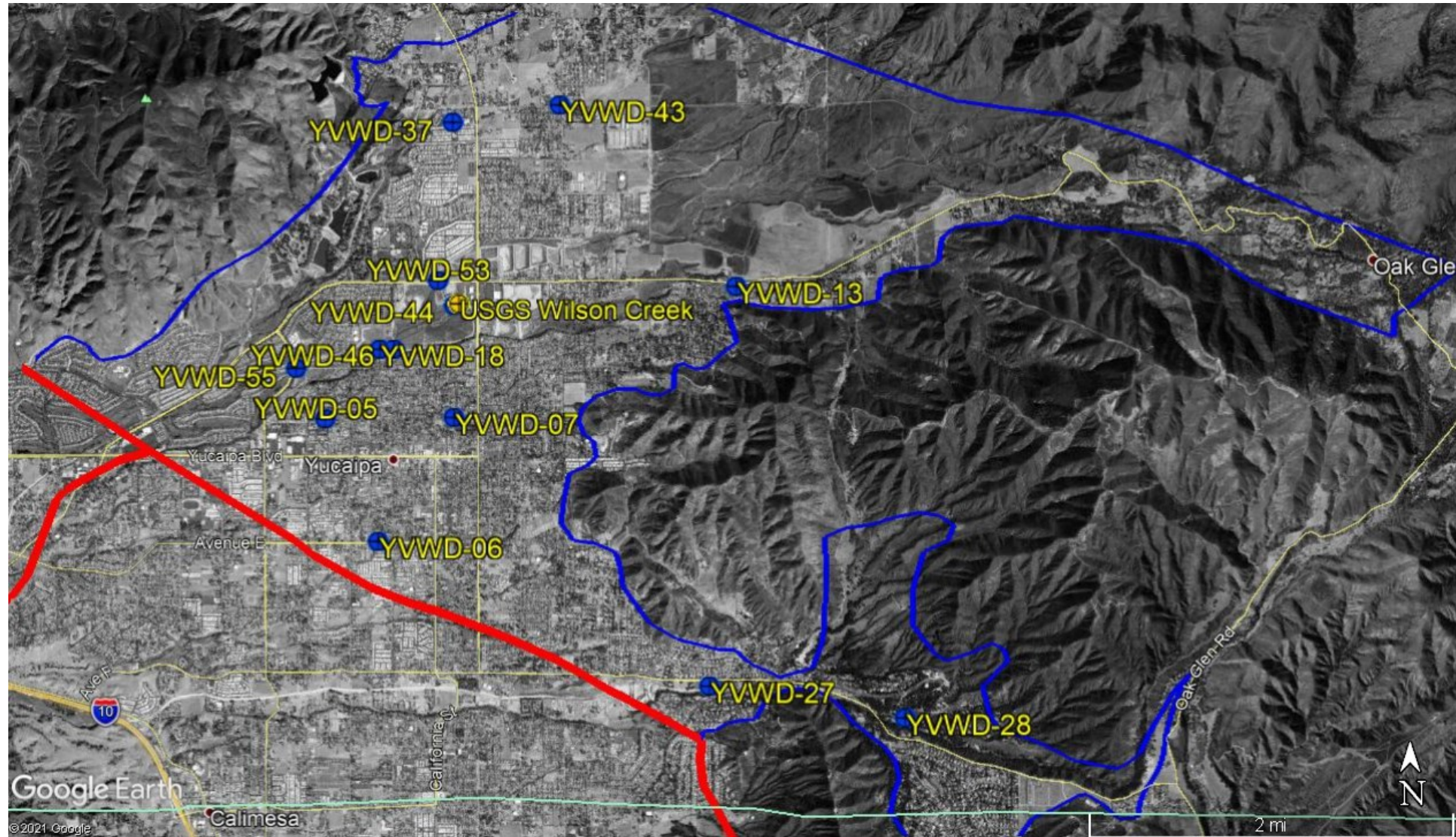
Estimated Volume in Storage in September 2018 = 409,900 AF (Geoscience, 2021)



Western Heights Management Area – Sustainability Criteria

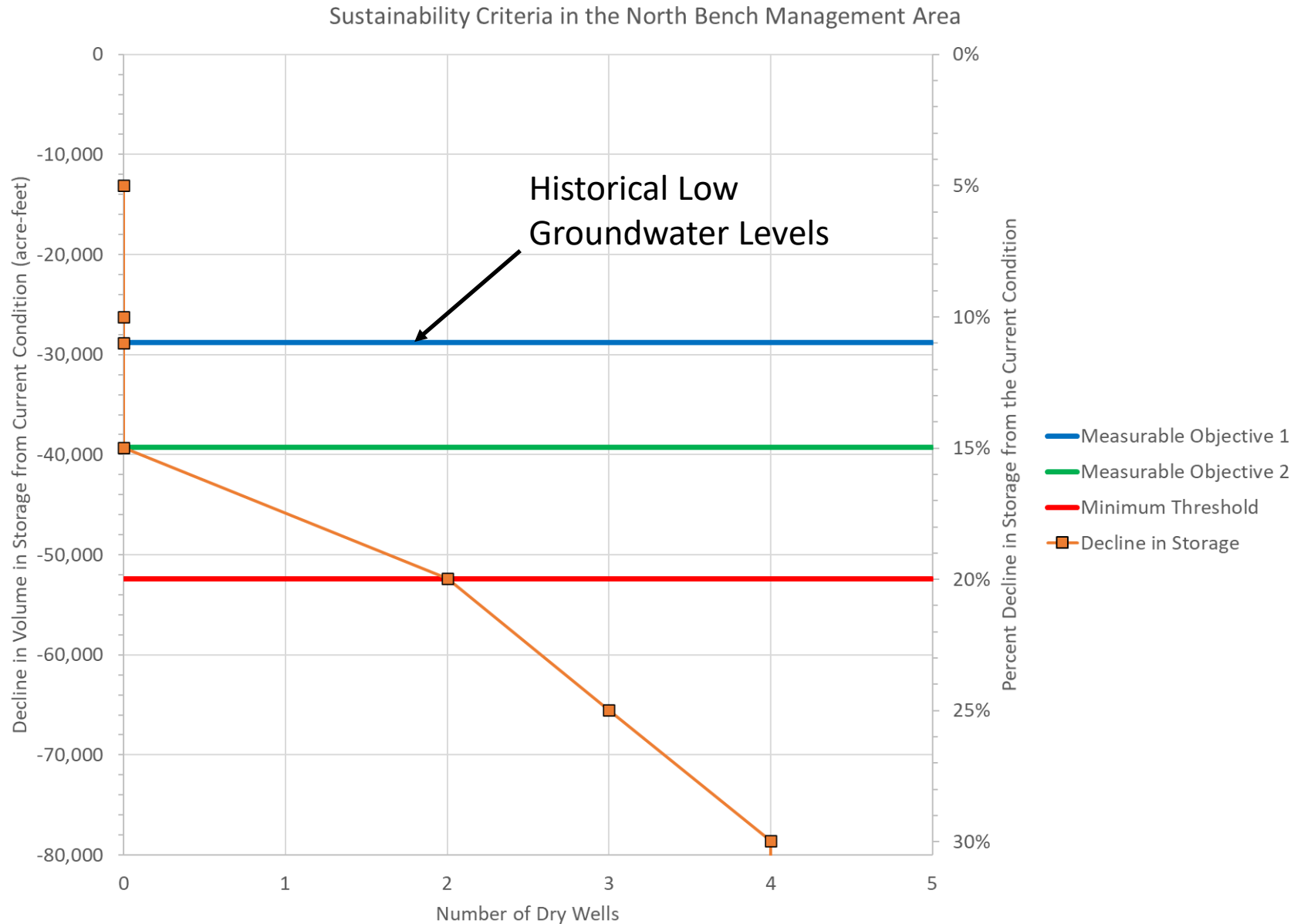


Wells Used to Develop North Bench Management Area Sustainability Criteria

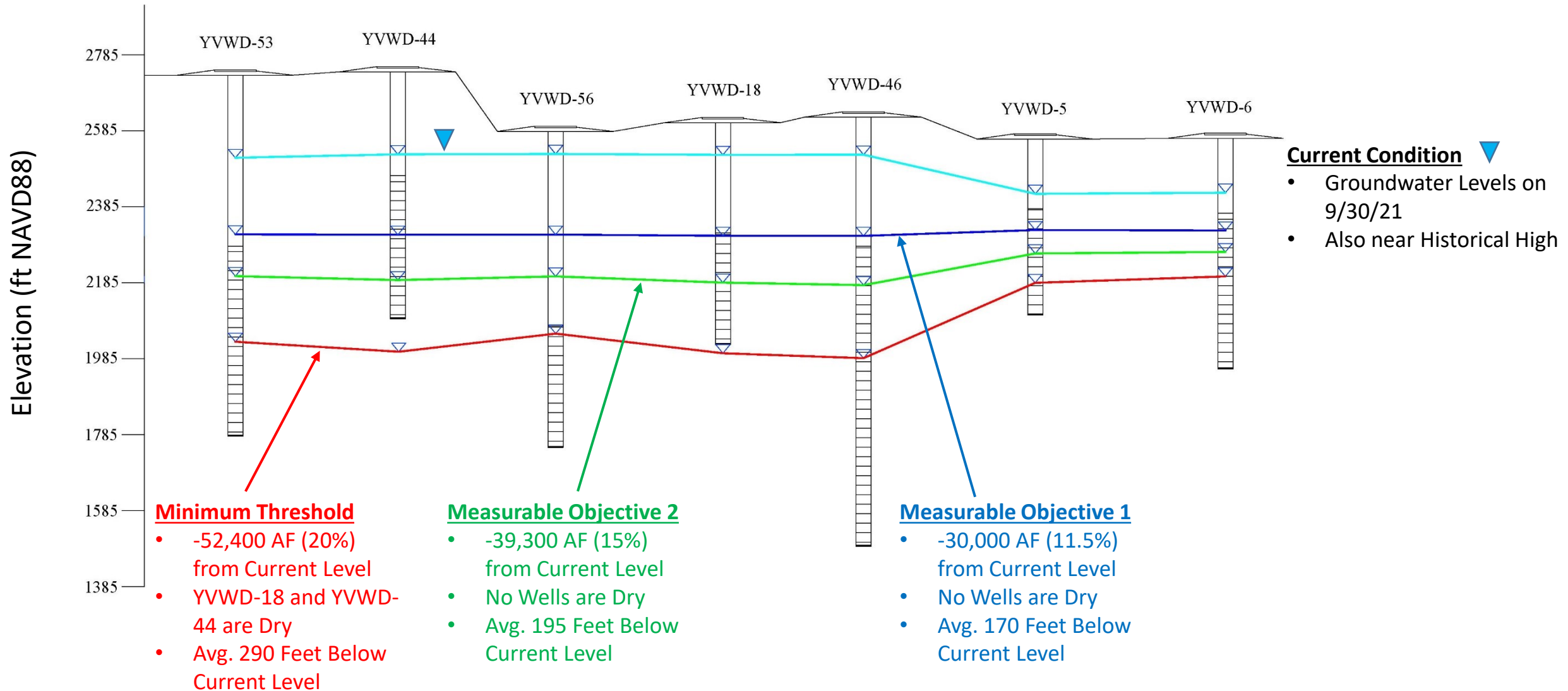


North Bench Management Area Sustainability Criteria

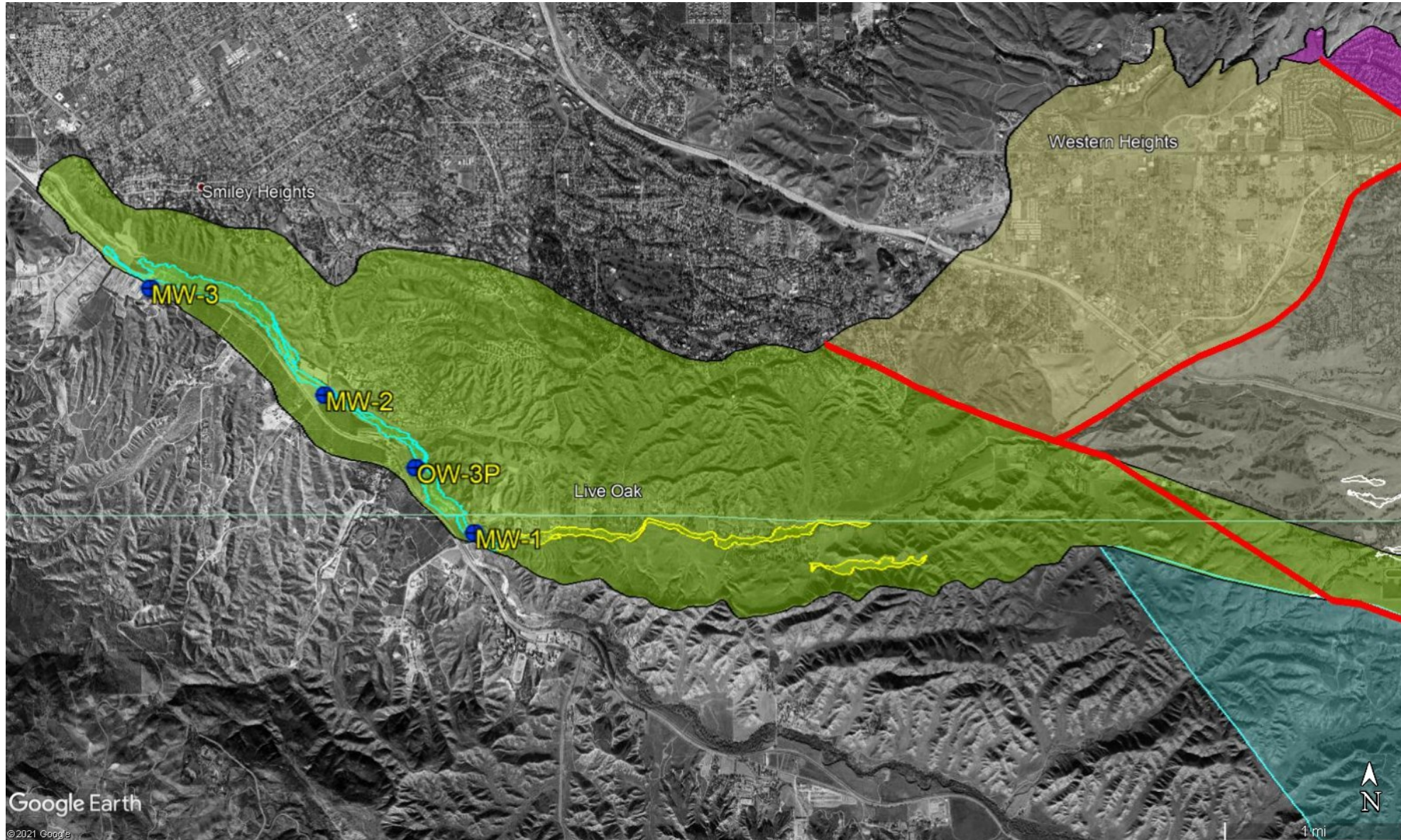
Estimated Volume in Storage in September 2018 = 262,000 AF (Geoscience, 2021)



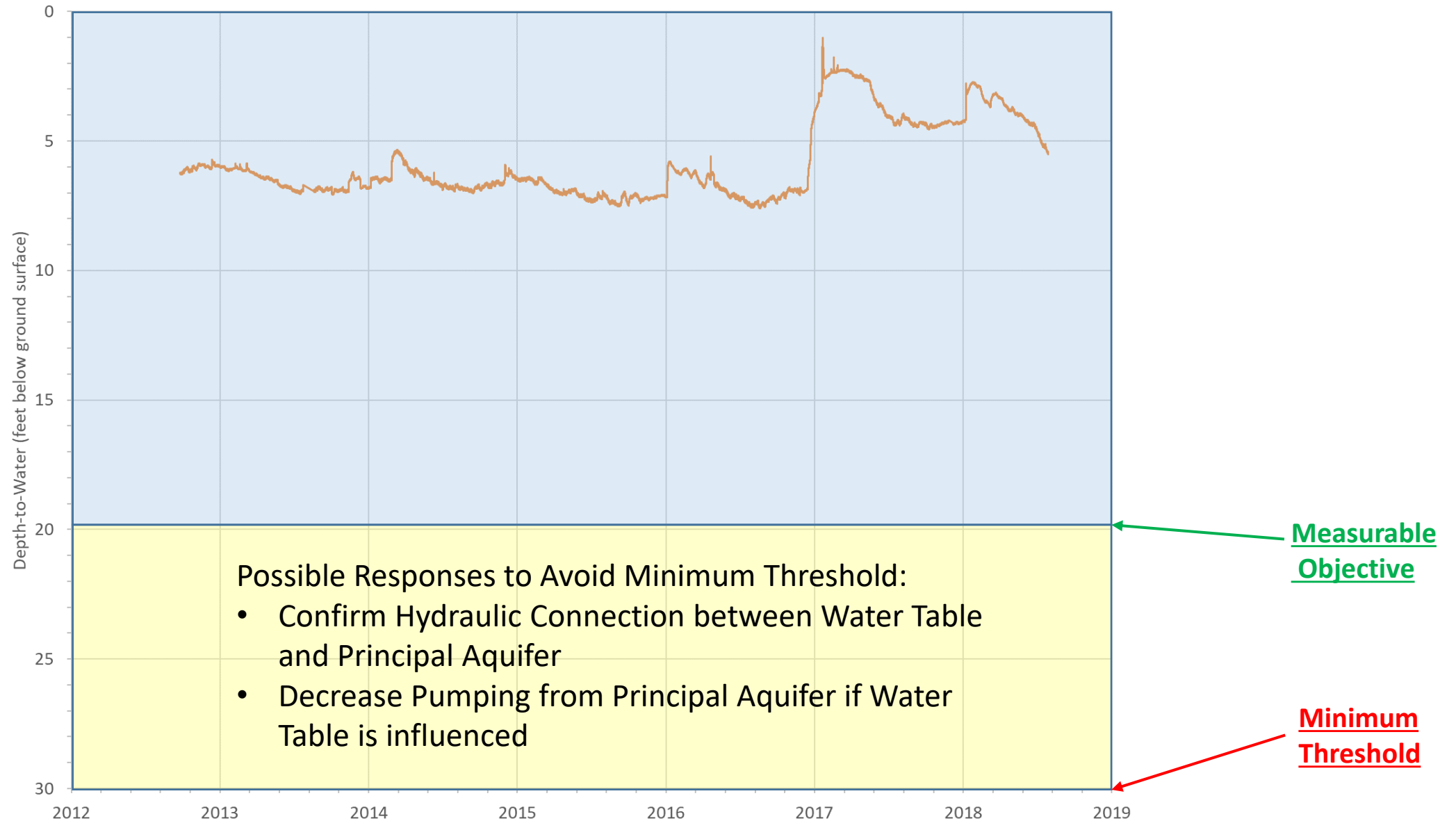
North Bench Management Area – Sustainability Criteria



Sustainability Criteria in San Timoteo Management Area



Sustainability Criteria in San Timoteo Management Area



Confirm Sustainability Criteria

✓ Confirm Goals of Sustainability Criteria

- To avoid the undesirable result of depleting groundwater storage by 15% to 20% from current conditions
- To avoid loss of groundwater dependent ecosystems

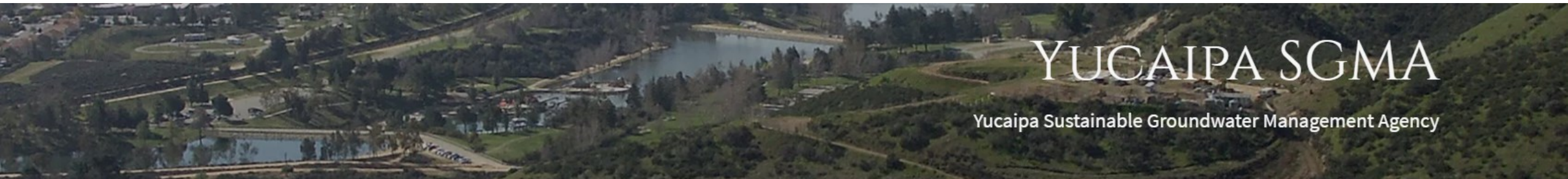
✓ Measurable Objective #1 – Historical Low in Groundwater Level

✓ Measurable Objectives #2, #3 – 5% to 15% Depletion in Storage

- Operational Flexibility – Implement actions and projects to avoid undesirable results

✓ Minimum Threshold

- **Undesirable results – 15% to 20% loss in storage from current condition; loss in GDEs**

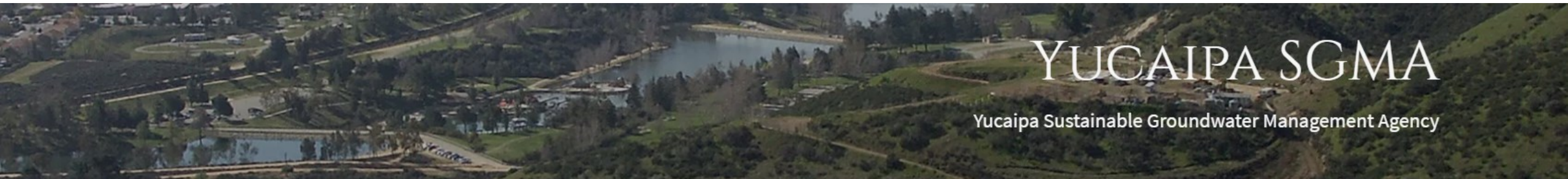


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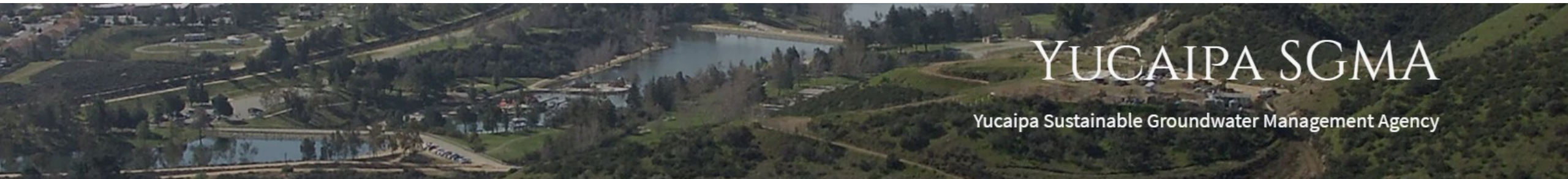
Proposed Management Actions

1. Administrative Fees – cover costs of annual administration of Yucaipa-SGMA
2. Replenishment Obligations
 - a. Deliver imported water to management area where groundwater extracted
 - b. Deliver imported water to management area upstream of where groundwater extracted
 - c. Deliver water to filtration facility as in lieu recharge
3. Water Loss Replenishment Fee – replenish 5% of total groundwater extracted



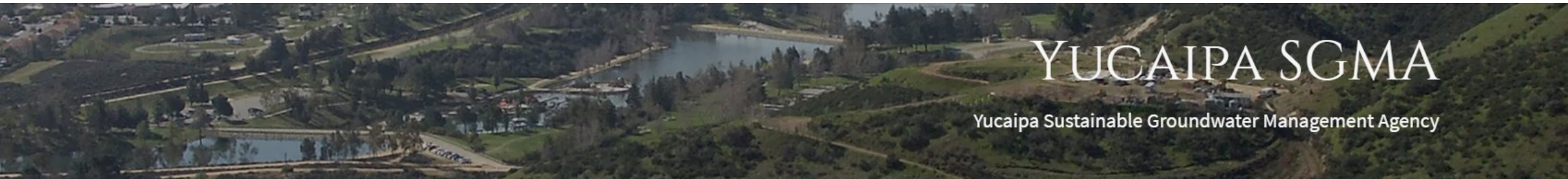
Proposed Management Actions

4. Sustainable Yield Replenishment Fee
 - a. replenish 5% of water extracted from a management area.
5. Excess Extraction Replenishment Fee
 - a. A 1:1 volume replenishment of water extracted in excess of the sustainable yield.
 - b. May be offset if water retailer added water to storage from prior year spreading.



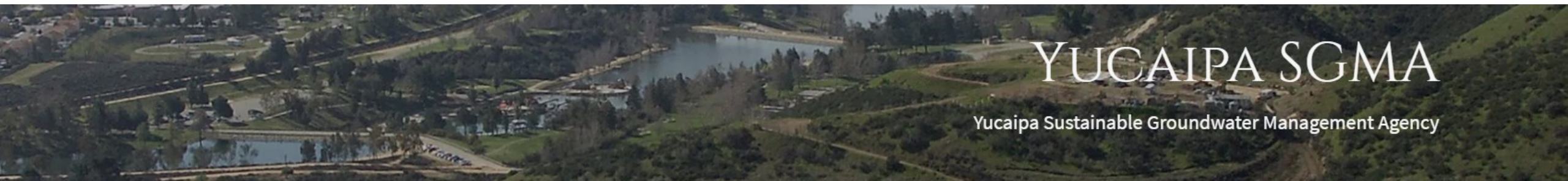
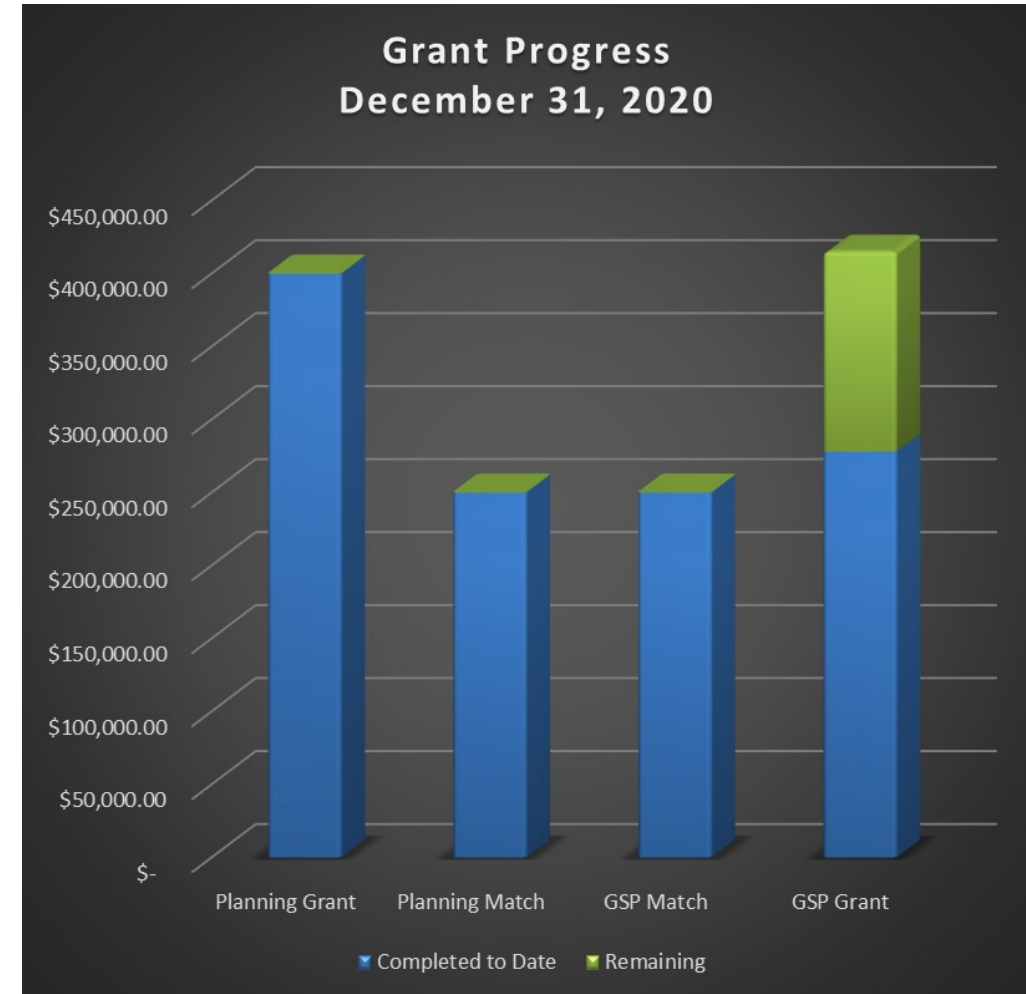
Comments on Draft Chapters of the GSP

- Comments have been received from South Mesa Water Company, SGPWA and the City of Yucaipa
- Comments received on draft Chapters 1 and 2 and responses are located on Sharepoint site:
 - <https://dudekpubs.sharepoint.com/sites/Yucaipa-SGMA>
- Draft Chapters 1, 2 and 3 are located on the SharePoint site
 - Chapter 3 to be revised per new sustainability criteria



Grant Status

- 8th Quarterly Report (10/1/20-12/31/20)
- Planning Activities 97% Complete
 - The final USGS Model Report is the last outstanding grant deliverable
- GSP Activities 69% Complete
 - Match requirements were met

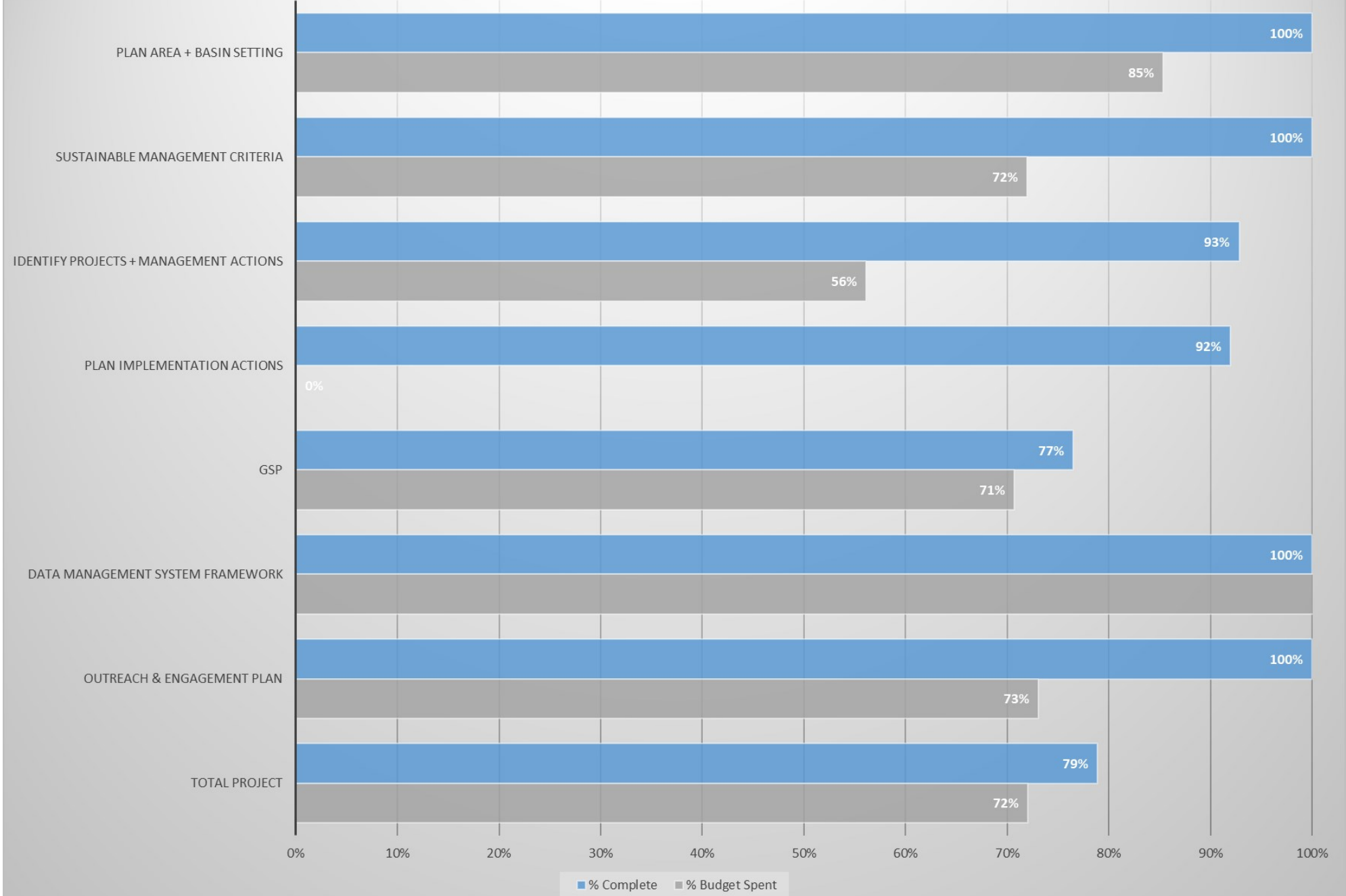


YUCAIPA SGMA

Yucaipa Sustainable Groundwater Management Agency

DRAFT – SUBJECT TO REVISION

Yucaipa GSP Development (as of 4/30/2021)



DRAFT – SUBJECT TO REVISION

GSP Road Map

