

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

Wednesday, January 27, 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. Review and Approval of Minutes**
 - A. October 28, 2020 - Workshop
- V. Discussion Items**
 - A. Selection of Officers for the Yucaipa Sustainable Groundwater Management Agency
 - B. COVID-19 Update
 - C. Status Update on the Activities Related to the Preparation of the Groundwater Sustainability Plan
 - 1. Consider Proposed Management Areas – Western Heights, North Bench, Calimesa and San Timoteo Management Areas
 - 2. Status Report on Historical and Future Water Budgets
 - 3. Status Report on Estimated Sustainable Yield for Yucaipa Basin
 - 4. Status Report on Submitted Projects
 - D. Discussion of Draft Chapters 1 and 2 of the Groundwater Sustainability Plan
 - E. Status Report on the SGMA Grant, Financial Status and Grant Opportunities
 - F. Discussion Regarding the Scheduling of the First Public Meeting
- VI. Topics for Future Meetings**
 - Discussion regarding groundwater dependent ecosystems
 - Discussion regarding potential projects to be included in the groundwater model and the Groundwater Sustainability Plan
 - Discussion regarding the refinement of basin management areas
 - Discussion regarding the development of sustainability criteria

VII. Comments by Board of Directors

VIII. Announcements - Future Meetings

- A. Wednesday, February 24, 2021 at 10:00 am - Workshop - *Teleconference*
- B. Wednesday, March 24, 2021 at 10:00 am - Workshop - *Teleconference*
- C. Wednesday, April 28, 2021 at 10:00 am - **Board Meeting** - *Teleconference*
- D. Wednesday, May 26, 2021 at 10:00 am - Workshop - *Teleconference*
- E. Wednesday, June 23, 2021 at 10:00 am - Workshop - *Teleconference*
- F. Wednesday, July 28, 2021 at 10:00 am - **Board Meeting** - *Teleconference*

IX. 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 Gorgonio Pass Water Agency		Lance Eckhart		Leonard Stephenson
* 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 1	January 28, 2021
Distribution of the Administrative Draft of the Yucaipa SGMA Groundwater Sustainability Plan	February 28, 2021
Public Presentation of the Goals and Objectives of the Groundwater Sustainability Plan - Meeting Number 2	May 18, 2021
Final Groundwater Sustainability Plan Submitted to the Department of Water Resources for Review and Approval	June 30, 2021
Groundwater Sustainability Plan Legislative Deadline	January 31, 2022

MINUTES OF THE YUCAIPA SUSTAINABLE GROUNDWATER MANAGEMENT AGENCY

Board Meeting
October 28, 2020 - 10:00 a.m.

Online Teleconference Meeting

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 Gorgonio Pass Water Agency	✓	Lance Eckhart	✓	Leonard Stephenson
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:

- Lonni Granlund - Yucaipa Valley Water District
- Derek Hoffman, Gresham Savage / South Mesa Water Company
- Mike Podegraz - Charles Abbot Associates / City of Yucaipa
- Steve Stuart - Dudek

III. Public Comments – None.

IV. Review and Approval of Minutes

A. August 26, 2020 - Workshop

Bob Tincher moved to approve the minutes for August 26, 2020.

Dave 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	Abstain
City of Yucaipa	Yes
San Bernardino Valley MWD	Yes
San Gorgonio Pass Water Agency	Abstain

V. 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.

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

Steve Stuart discussed the use of management areas to enhance the management of the Yucaipa Basin. Since the Yucaipa Basin contains fractures and fault structures the use of management areas would be appropriate for this basin.

The proposed management areas consist of: Western Heights Management Area; North Bench Management Area; Calimesa Management Area; and San Timoteo Management Area.

C. Update on the Sustainability Criteria - Western Heights, North Bench, Calimesa, and San Timoteo Management Areas

Steve Stuart discussed the application of the proposed sustainability criteria on the four proposed management areas in the Yucaipa Basin. Information was provided that shows how the sustainability criteria can be applied to each management area.

D. Update on Potential Projects within the Yucaipa Basin Area

Steve Stuart discussed the proposed projects for the Yucaipa Basin that currently include: Chapman Heights Basins; Dunlap Channel; Salinity and Groundwater Enhancement (SAGE) Project; Tennessee Street Basins; Wildwood Creek at California Street; Wildwood Creek Basins; and Wilson Creek III.

Matt Howard stated that project evaluation forms will be distributed to the Yucaipa SGMA members by mid-November so each agency can add projects to be included into the Groundwater Sustainability Plan.

E. Status Report on the Sustainable Groundwater Management Act Grant and Financial Status

Steve Stuart stated that the Department of Water Resources released the templates for the Proposition 68 SGMA Implementation Grants on October 27, 2020.

Matt Howard reported that the planning activities are 97% complete and Groundwater Sustainability Plan activities are 60% complete.

F. Discussion Regarding the Scheduling of the First Public Meeting

The first public meeting is planned to be conducted on January 28, 2021 as an online Zoom meeting.

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

- Discussion regarding groundwater dependent ecosystems
- Discussion regarding potential projects to be included in the groundwater model and the Groundwater Sustainability Plan
- Discussion regarding the refinement of basin management areas
- Discussion regarding the development of sustainability criteria

VII. Comments by the Board of Directors - None

VIII. Announcements

The next scheduled meeting for the Yucaipa Sustainable Groundwater Management Agency will be a board meeting on Wednesday, January 27, 2021 at 10:00 a.m.

The Yucaipa Sustainable Groundwater Management Agency will be conducting a public meeting on Thursday, January 28, 2021.

IX. Adjournment - The meeting was adjourned at 11:40 a.m.

An aerial photograph of a city, likely Yucaipa, with a large stadium in the foreground. The text is overlaid on the image.

DRAFT Yucaipa-SGMA

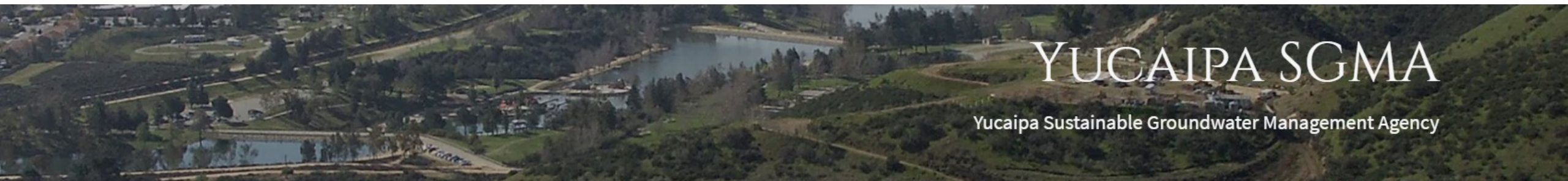
Groundwater Sustainability Plan (GSP)

Development

Yucaipa GSA Board Meeting
January 27, 2021

Presentation Outline

- COVID-19 Update
- Status on Preparation of GSP
 - Proposed Management Areas –Western Heights, North Bench, Calimesa and San Timoteo
 - Update on Historical and Future Water Budget
 - Update on Estimated Sustainable Yield
 - Update on Submitted Projects
- Preliminary Draft – Chapter 2 (Jan. 22, 2021)
- Update on Financial Status
- Discuss 1st Public Meeting – Tentative February 2021

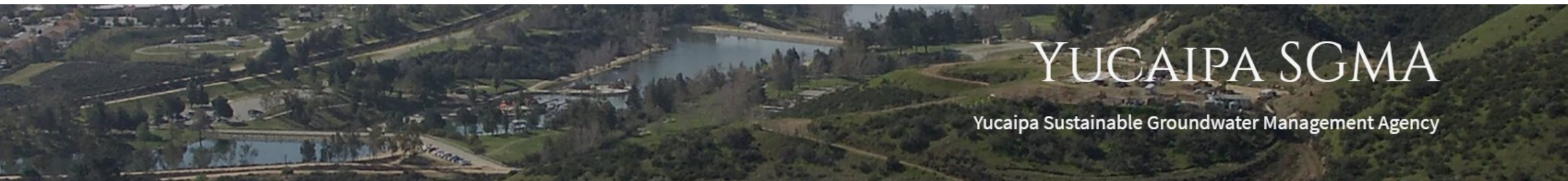


YUCAIPA SGMA

Yucaipa Sustainable Groundwater Management Agency

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

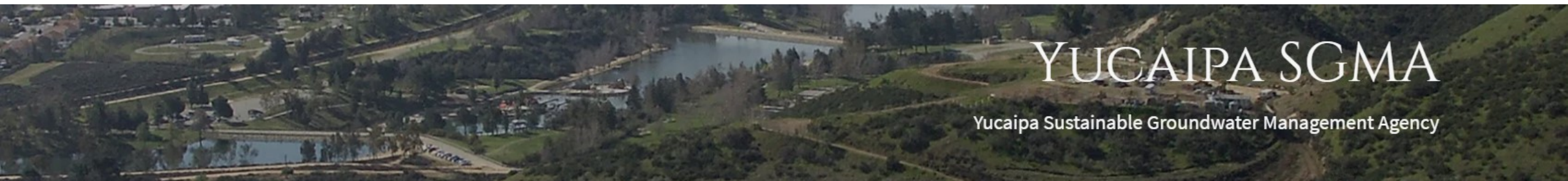


YUCAIPA SGMA

Yucaipa Sustainable Groundwater Management Agency

Management Areas

- Applicable to Yucaipa Subbasin
 - Geological Structures
 - Distribution of Water Supply Wells
 - Groundwater Dependent Ecosystems
- Compartmentalize Subbasin to Enhance Groundwater Management
 - Individual sustainability criteria
 - Do not cause undesirable results in other MAs and Yucaipa Subbasin
 - Monitoring Network to evaluate MA and Yucaipa Subbasin



Management Areas

Proposed Management Areas	Boundaries	Pros	Cons
Western Heights	Chicken Hill Fault - east South Mesa Barrier - north Banning Fault - south B118 Boundary - west	CHF is major impediment to flow WHWC only pumper No GDEs	Septic return flows Minor contamination issues
North Bench	South Mesa Barrier - south B118 Boundary - west, north and east	SMB is partial impediment to flow YVWD only pumper Wilson Creek and Oak Glen Spreading Basins GDEs in high elevations Recharge from Oak Glen Creek and Wilson Creek Future Wilson Creek III project	Minor contamination from former Yucaipa landfill

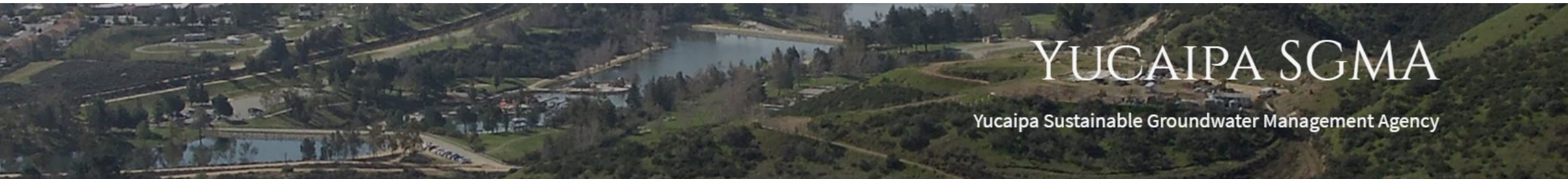


YUCAIPA SGMA

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Management Areas

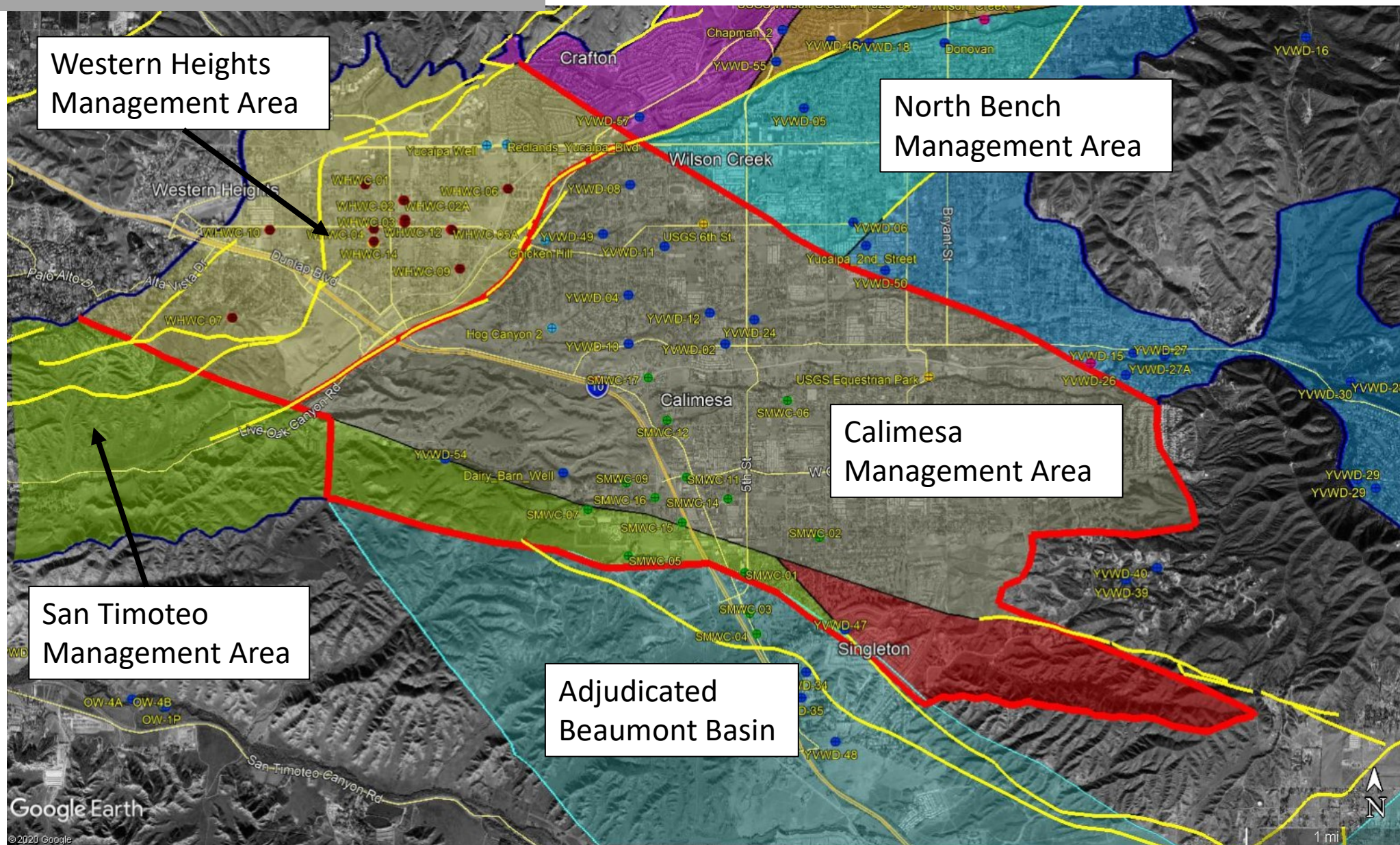
Proposed Management Areas	Boundaries	Pros	Cons
Calimesa	Chicken Hill Fault - west South Mesa Barrier - north B118 Boundary - south, east	No GDEs YVWD and SMWC pumpers Recharge from Yucaipa Creek includes Live Oak subarea that is 800 feet higher than San Timoteo Creek and Singleton	1 potential GDE (in Singleton subarea - pending) currently no artificial recharge
San Timoteo	Banning Fault - north Subbasin boundary - south, west, east	No public water supply wells	GDEs along San Timoteo Creek citrus growers



YUCAIPA SGMA

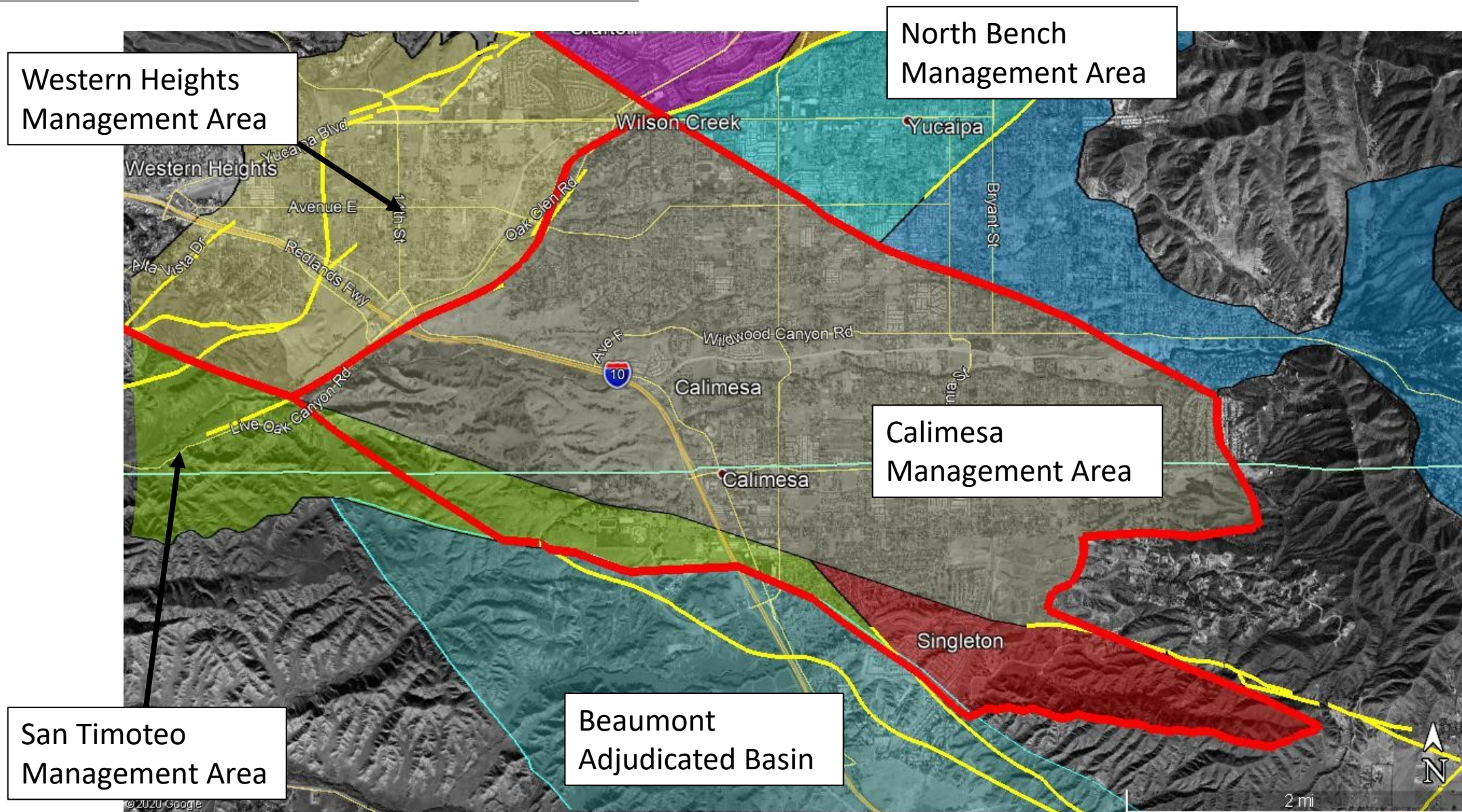
Yucaipa Sustainable Groundwater Management Agency

Proposed Calimesa Management Area



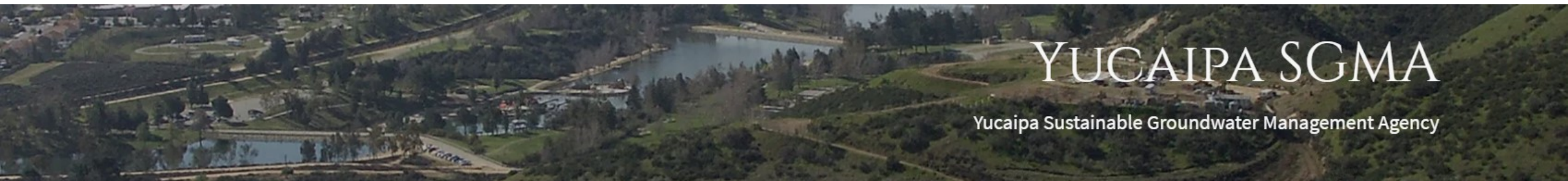
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Proposed Calimesa Management Area



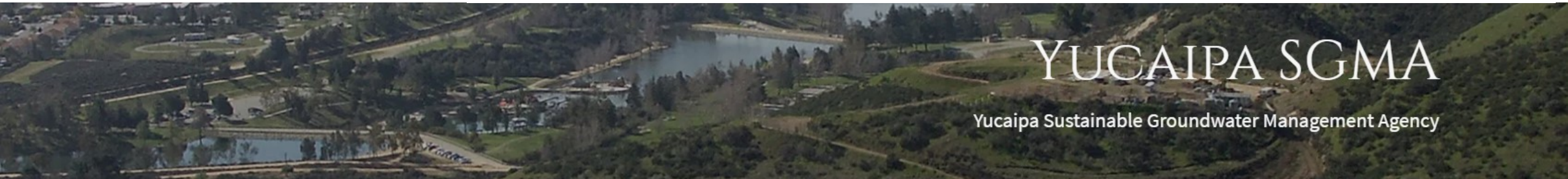
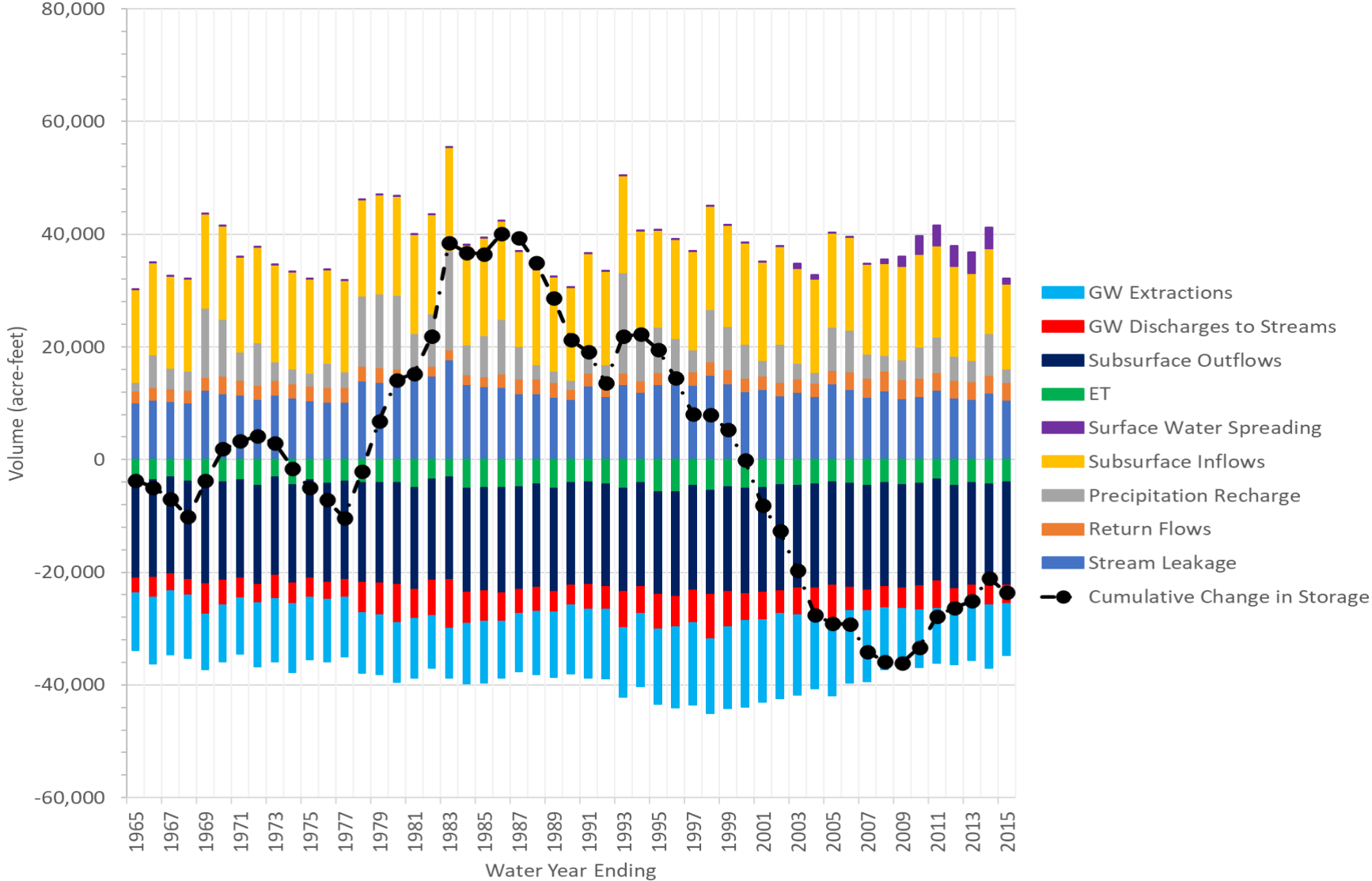
Water Budgets

- Historical Water Budget
 - 1965 - 2014
- Current Water Budget
 - 2015 - 2018
 - Starting point to evaluate future conditions
- Future Water Budget
 - 2019 – 2069 (repeat climate from 1962 – 2012)
 - Evaluate supply vs. demand against land use planning, population growth, and climate change.



Historical Water Budget

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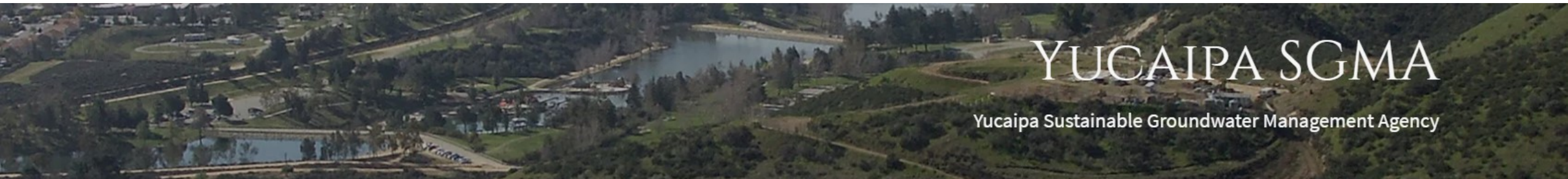
YUCAIPA SGMA

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Estimated Sustainable Yield

Sub Area	USGS Numerical Model	GSSI		
	Water Balance (AFY)	Zero Net Draft (AFY)	Hill (AFY)	Water Balance (AFY)
Triple Falls Creek	379	215	310	---
Crafton	182	200	370	---
Gateway	1,642	1,775	1,440	---
Wilson Creek	439	1,520	1,245	---
Calimesa	4,691	3,195	3,580	---
Western Heights	1,920	2,270	2,100	---
Oak Glen	762	415	600	---
Live Oak	684	---	---	---
Singleton	0	---	---	---
Total	10,700	9,590	9,645	9,683

--- = Not estimated.

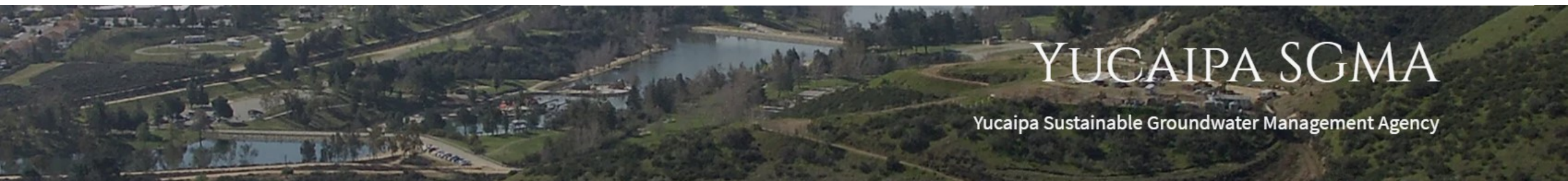
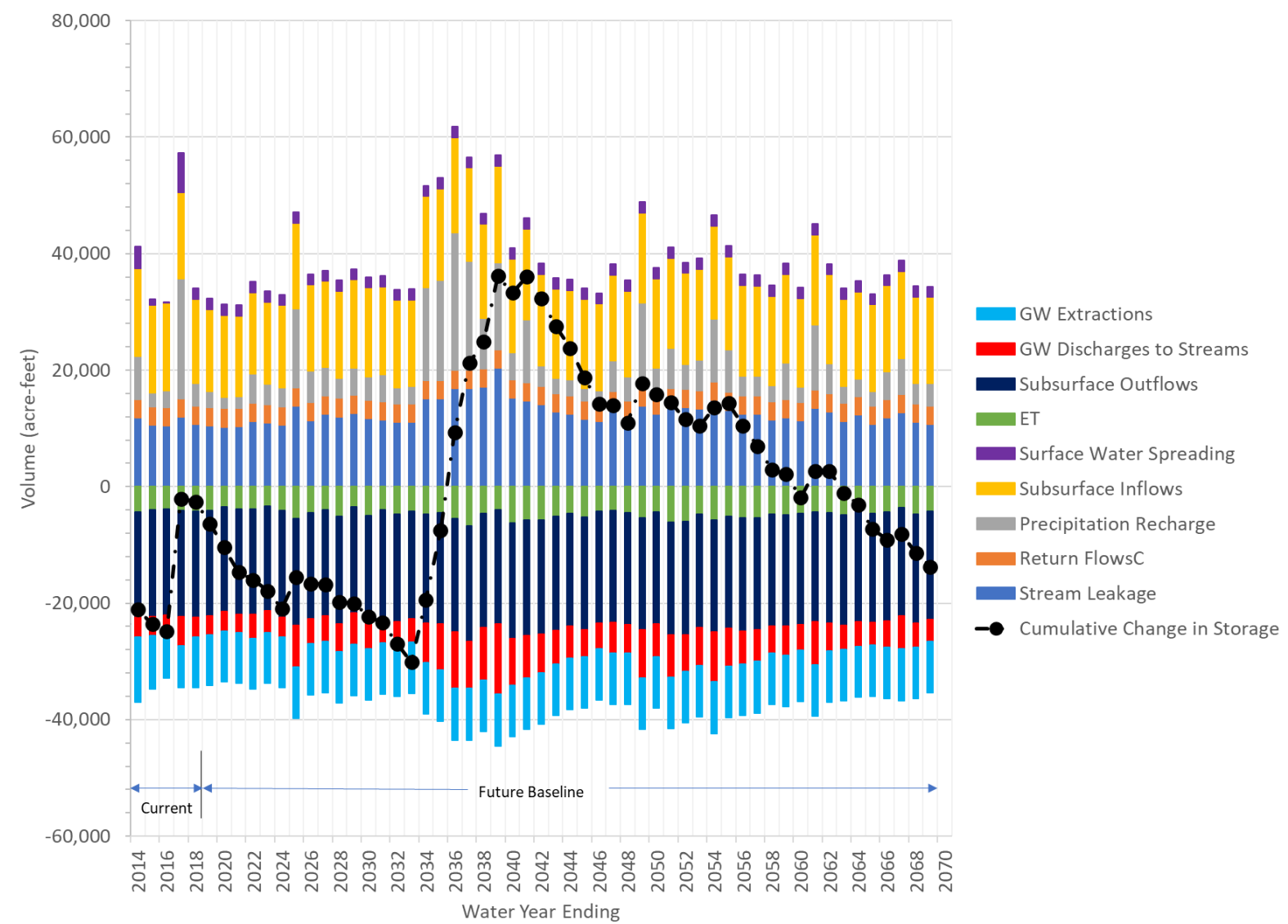


YUCAIPA SGMA

Yucaipa Sustainable Groundwater Management Agency

Current + Future Water Budget

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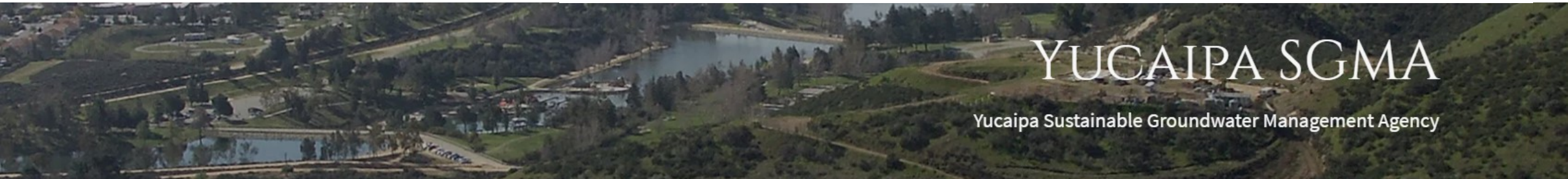
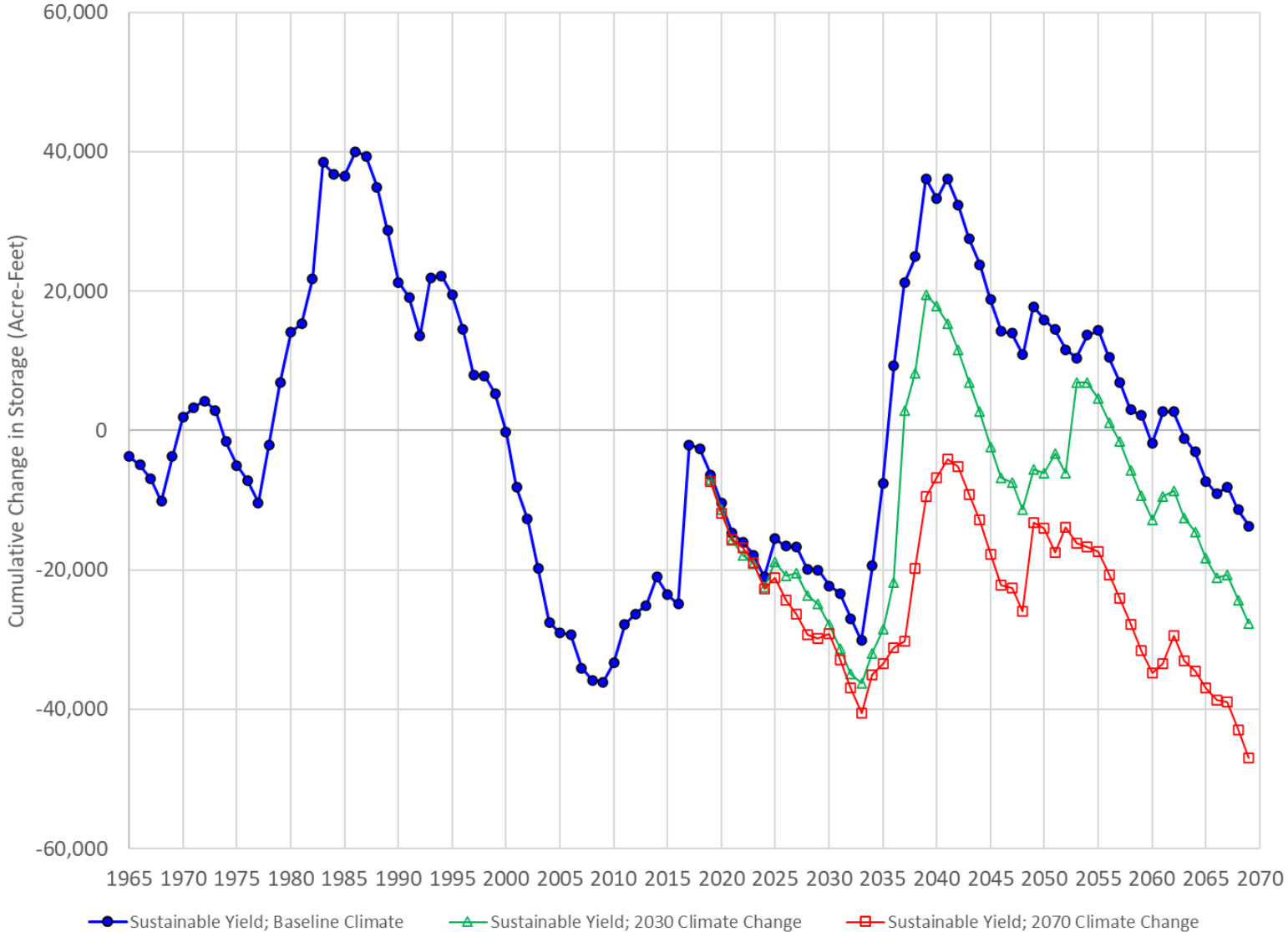


YUCAIPA SGMA

Yucaipa Sustainable Groundwater Management Agency

Future Climate Scenarios vs. Annual Change in Storage

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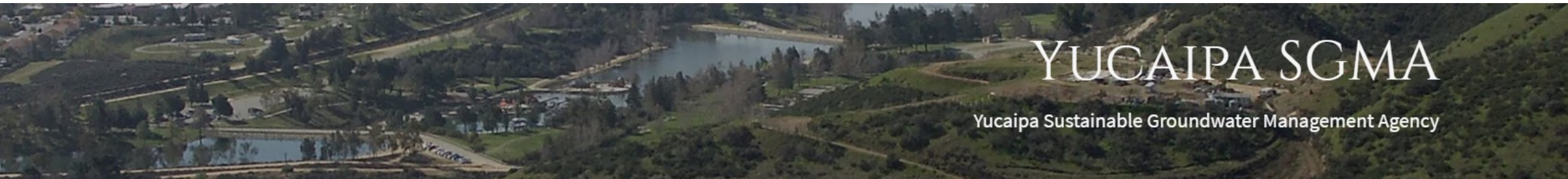


YUCAIPA SGMA

Yucaipa Sustainable Groundwater Management Agency

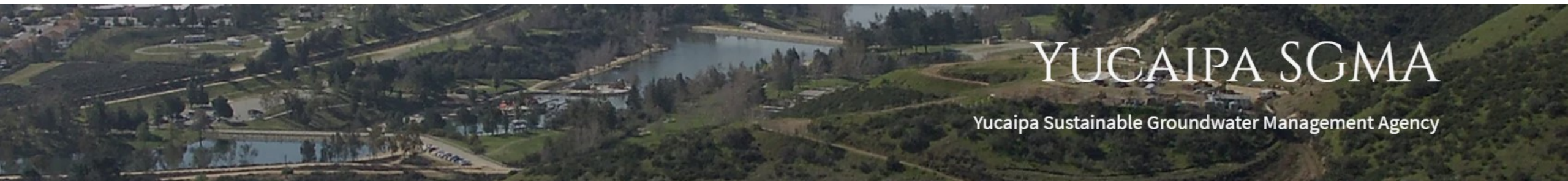
GSP Chapters

- Chapter 1 – Administration, Plan Area, & Communication
- Chapter 2 – Basin Setting (Jan. 22, 2021)
- Chapter 3 – Sustainability Criteria (Feb. 26, 2021)
- Chapter 4 – Projects and Management Actions
- Chapter 5 - Plan Implementation



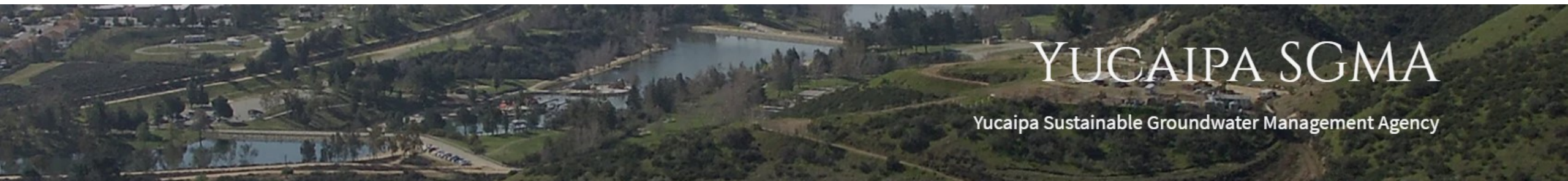
Submitted Projects

- City of Yucaipa Submitted Projects:
 - Fremont Ave. Low Water Crossing (storm water, 300 AFY)
 - Dunlap Channel Basins (storm water, 600 AFY)
 - Tennessee St. Basins (storm water, 300 AFY)
 - Oak Glen Creek Basins (storm water, 1,200 AFY)
 - Pendleton Ave. Low Water Crossing (storm water, 500 AFY)
 - Wilson III Basin + Oak Glen Creek and Wilson Creek Channel Improvements (storm water, 2,000 to 3,000 AFY)
 - **Total Potential Recharge = 5,900 AFY**
- No other projects were submitted



Funding Opportunities

- DWR technical assistance grant
 - Stream gaging stations
- Prop 68 SGMA Implementation Grants in early 2022
 - 25% Matching Requirement
 - Assist GSAs in implementing GSP
 - Project Evaluation form – draft for Yucaipa-SGMA to review
- DWR released templates for application on Oct. 27, 2020
- Timeline for Implementation Grants
 - 2021 - Release draft Proposal Solicitation Package
 - Recommend reviewing Draft Guidelines and potentially preparing comments
 - Early 2022 - Grant solicitation
 - Fall 2022 - Award List Released
 - Recommend scoping now for a grant application – this funding will be highly competitive

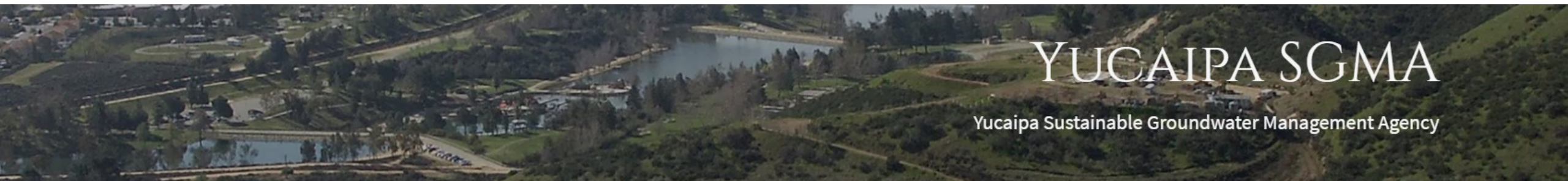
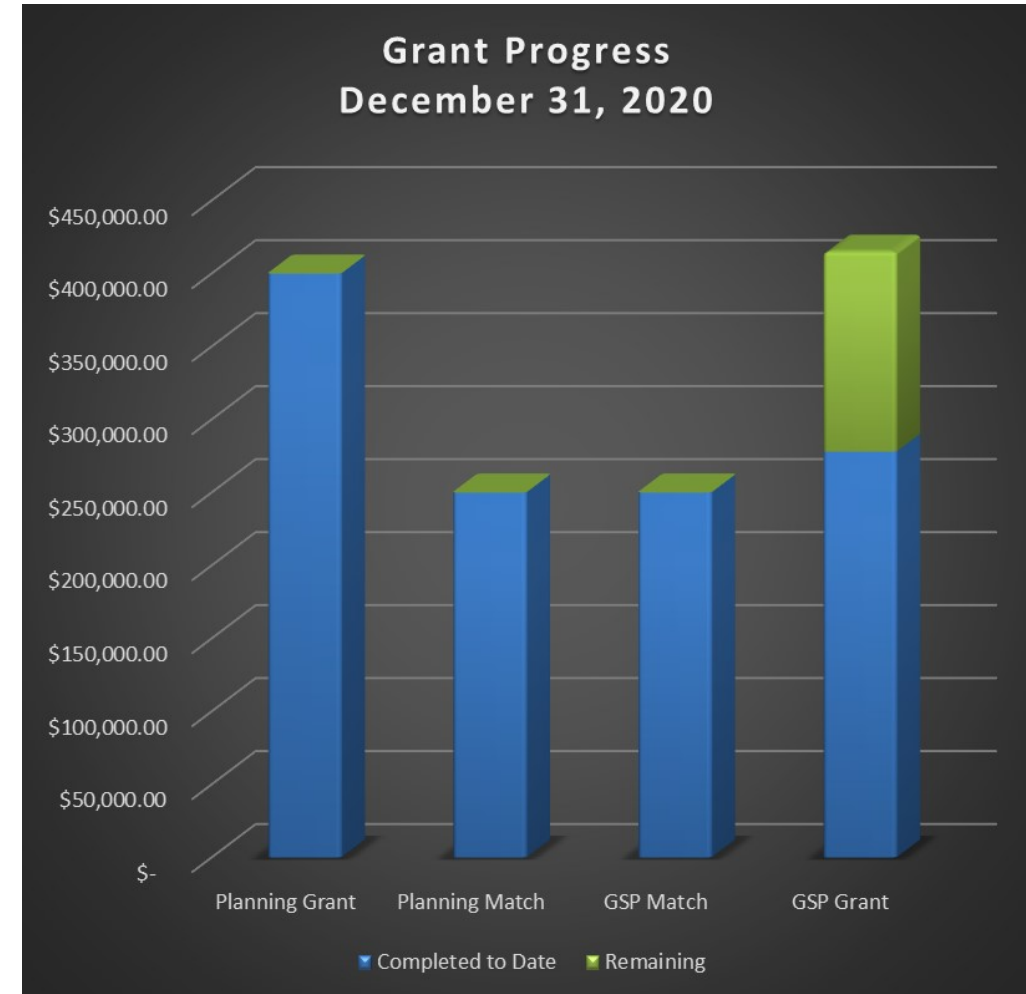


YUCAIPA SGMA

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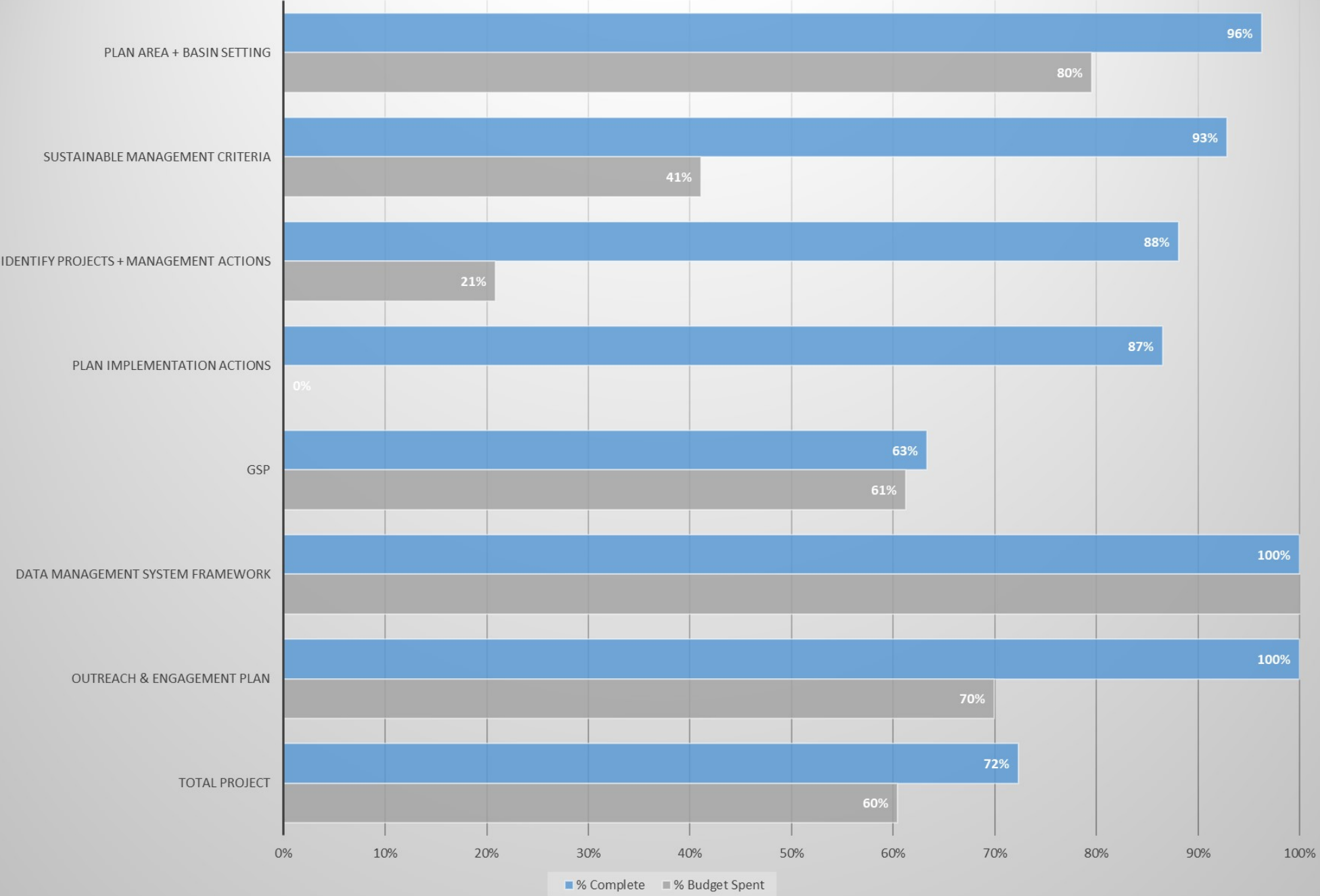
Grant Status

- 8th Quarterly Report (10/1/20-12/31/20)
- Planning Activities 97% Complete
 - The final Model Report is the last outstanding deliverable
- GSP Activities 60% Complete
 - Match requirements were met



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Yucaipa GSP Development (as of 12/31/2020)



GSP Road Map

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Start GSP

Data Collection, Review
Models

Basin Area + Setting

Analyze Data, 3D Conceptual Model,
Historical and Current Groundwater
Conditions

Basin Understanding

Monitoring Protocols, Model Uncertainty,
Identify Data Gaps

Defining Sustainability

Current Balance and Future Projections – Do We Need
More Supply to Achieve Sustainability?

Start: Nov 2018

Feb. 2019

May 2019

Nov. 2019

Dec.
2019

Public Outreach & Engagement Plan

Evaluate Achieving Sustainability

Monitoring Network, Identify Management Actions and Projects

GSA Review Draft GSP

Dec. 2020

Oct. 2020

Aug. 2020

Feb. 2020

Jan. 2020

**Sustainable
Yield**

Dec. 31 2020

1st Public Meeting
Feb. 11, 2021
(tentative)

**Admin
Draft GSP**

July 31 2021

Public Draft GSP
2nd Public Meeting
Sep. 30, 2021

GSP to DWR
November 30, 2021

GSP Deadline

January 31, 2022

= Milestone