

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

Board Meeting
Wednesday, July 28, 2021 at 10:30 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>**

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- 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. None
 - V. Review and Approval of Minutes**
 - A. July 21, 2021 - Workshop
 - VI. Discussion Items**
 - A. Status Update on the Activities Related to the Preparation of the Groundwater Sustainability Plan
 - 1. Discussion Regarding Sustainability Criteria, Measurable Objectives, and Projected Conditions for the Western Heights, North Bench, Calimesa, and San Timoteo Management Areas
 - 2. Discussion Regarding the Proposed Groundwater Sustainability Plan Implementation, Management Actions, and Fee Structure
 - VII. Topics for Future Meetings**
 - Discussion regarding potential projects to be included in the groundwater model and the Groundwater Sustainability Plan
 - Overview of Draft Chapter 1, Draft Chapter 2, Draft Chapter 3, Draft Chapter 4, and Draft Chapter 5
 - Development of San Gorgonio Pass Water Agency replenishment fees.
 - VIII. Comments by Board of Directors**

IX. Announcements - Future Meetings

- A. Wednesday, August 25, 2021 at 10:00 am - Workshop
- B. Wednesday, September 22, 2021 at 10:00 am - Workshop
- C. Wednesday, October 27, 2021 at 10:00 am - **Board Meeting**
- D. Wednesday, January 26, 2022 at 10:00 am - **Board Meeting**

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 Gorgonio 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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MINUTES OF THE YUCAIPA SUSTAINABLE GROUNDWATER MANAGEMENT AGENCY

Workshop Meeting – July 21, 2021 - 10:30 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 individuals to stay at home or at their place of residence. Accordingly, it has been determined that 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 10:30 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		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
- Scott Hudson, Oak Glen Domestic Water Company
- Logan Largent, Ortega Strategies Group

- Joyce McIntire, Yucaipa Valley Water District
- Steve Stuart, Dudek

III. Public Comments

None

IV. Correspondence

None

V. Review and Approval of Minutes

A. July 14, 2021 - Workshop Meeting

Dave Armstrong moved to approve the board meeting minutes for July 14, 2021.

Mark Iverson 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	Yes
City of Yucaipa	Absent
San Bernardino Valley MWD	Yes
San Gorgonio Pass Water Agency	Yes

VI. Discussion Items

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

1. Discussion Regarding Measurable Objectives for the Western Heights, North Bench, Calimesa, and San Timoteo Management Areas

Steve Stuart stated that based on the consensus reached at the workshop on July 14, 2021, Dudek is preparing Chapter 4 to document the Measurable Objectives for each Management Area.

2. Discussion Regarding the Proposed Groundwater Sustainability Plan Implementation, Management Actions, and Fee Structure

Steve Stuart presented concepts related to the administrative fees and implementation costs to be included in the Groundwater Sustainability Plan. The costs include administrative expenses; preparation of GSP annual reports; preparation of GSP 5-year evaluation reports; ongoing groundwater level monitoring; ongoing groundwater production monitoring; ongoing groundwater quality monitoring; routine service of monitoring wells; and routine service of stream gaging stations.

These concepts will be modified based on input from the Board of Directors and discussed further at the next meeting.

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
- Overview of Draft Chapter 1, Draft Chapter 2, Draft Chapter 3, Draft Chapter 4, and Draft Chapter 5.
- Development of San Geronio Pass Water Agency replenishment fees.

VIII. Comments by the Board of Directors

None

IX. Announcements

The next scheduled meeting of the Yucaipa Sustainable Groundwater Management Agency will be a regular board meeting on Wednesday, July 28, 2021, at 10:30 am.

X. Adjournment - The meeting was adjourned at 11:35 pm.

DRAFT – SUBJECT TO REVISION

Yucaipa-SGMA

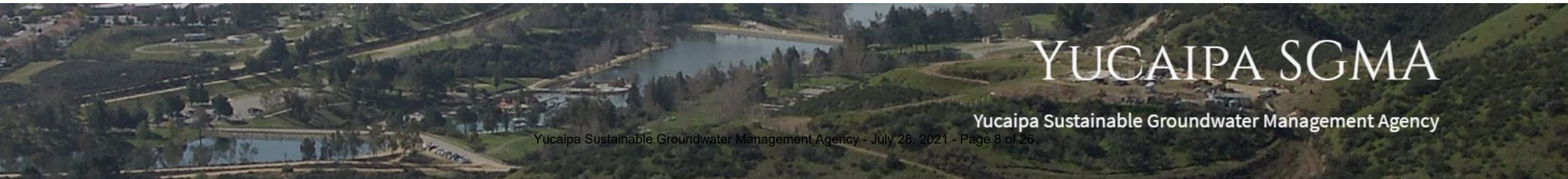
Groundwater Sustainability Plan (GSP)

Development

Yucaipa GSA Board Meeting
July 28, 2021

Presentation Outline

- Recap of Summer Discussions
 - Sustainability Criteria
 - Management Actions
 - Plan Implementation
 - 5-Year Rolling Credit and Replenishment Fee
- Update and Tentative Schedule for Draft GSP Chapters
- Grant Status
- Budget Status
- Project Schedule



YUCAIPA SGMA

Yucaipa Sustainable Groundwater Management Agency

Calimesa Management Area Sustainability Criteria

Sustainable Yield (SY) = 4,954 AFY

Sustainability Range

Purchase of Supplemental Water and/or Pumping Reduction **Optional** because basin can recover on its own

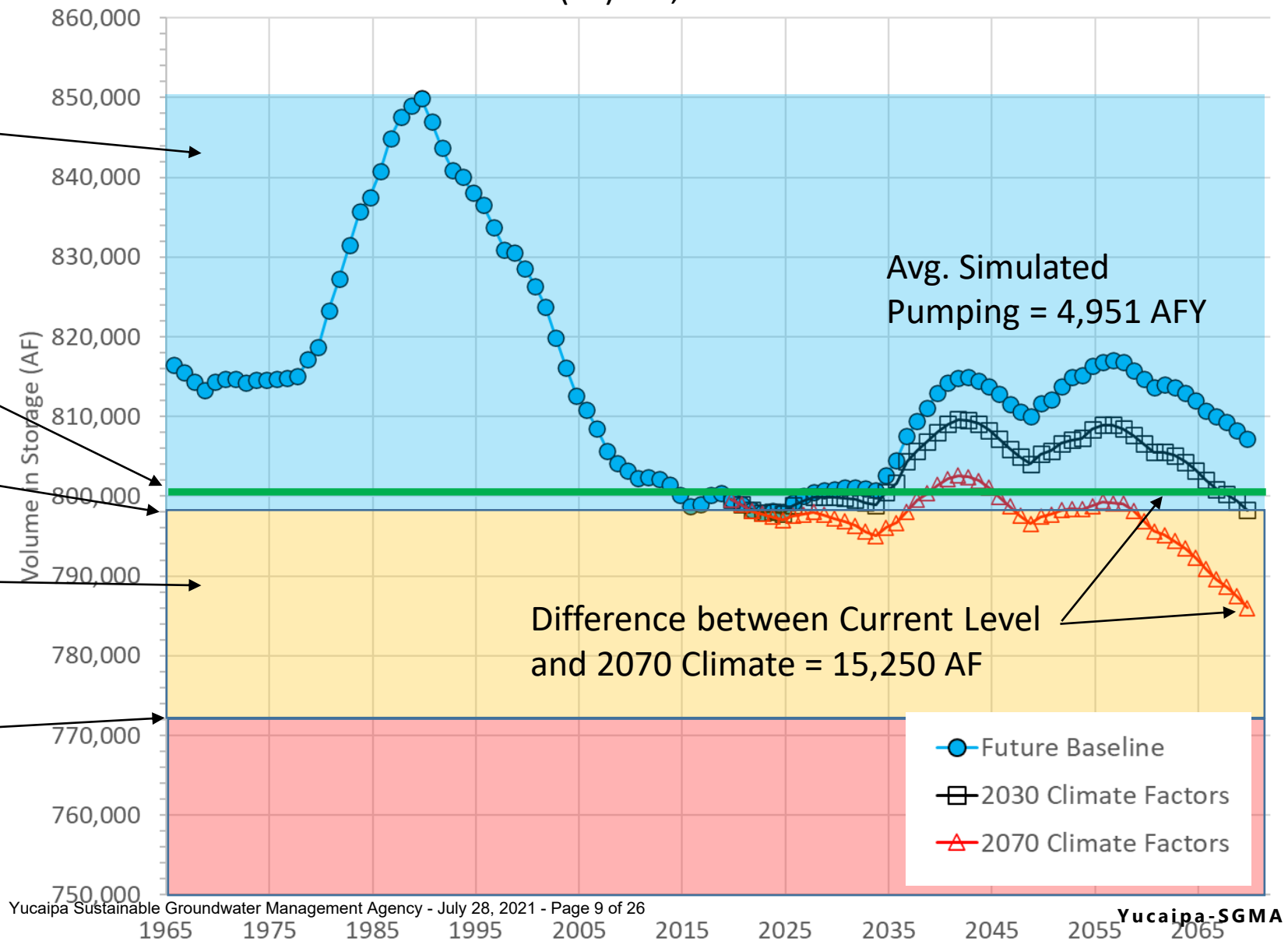
Measurable Objective: Sustainability Goal @ 800,000 AF

Historical Low

Drought Buffer Zone

10-Year Drought Buffer from Historical Low to Minimum Threshold (408,800 – 9,000 = 399,800 AF)

Minimum Threshold @ 399,800 AF



Calimesa Management Area Management Actions

Sustainable Yield (SY) = 4,954 AFY

Sustainability Range

Purchase of Supplemental Water and/or Pumping Reduction **Optional** because basin can recover on its own

Measurable Objective 1 @ 800,000 AF

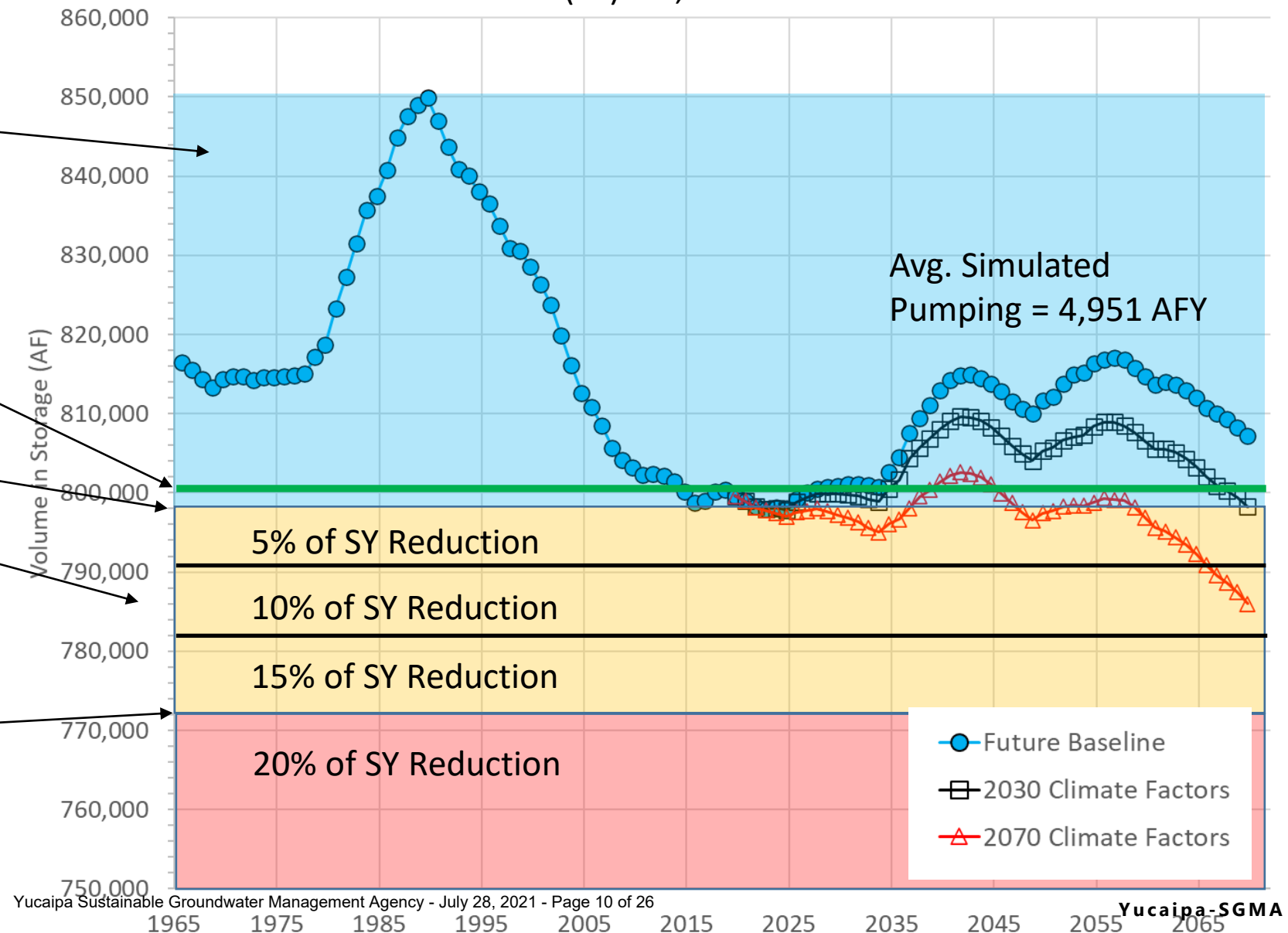
Historical Low

Drought Buffer Range

Management Action: Purchase Supplemental Water and/or Reduce Pumping by 5% to 15% of SY

Minimum Threshold

Management Action: Purchase Supplemental Water and/or Reduce Pumping 1,240 AFY (20% of SY)



Western Heights Management Area Sustainability Criteria

Sustainable Yield (SY)
= 1,764 AFY

Normal Operating Range

Purchase of Supplemental Water and/or
Pumping Reduction **Optional** because basin
can recover on its own

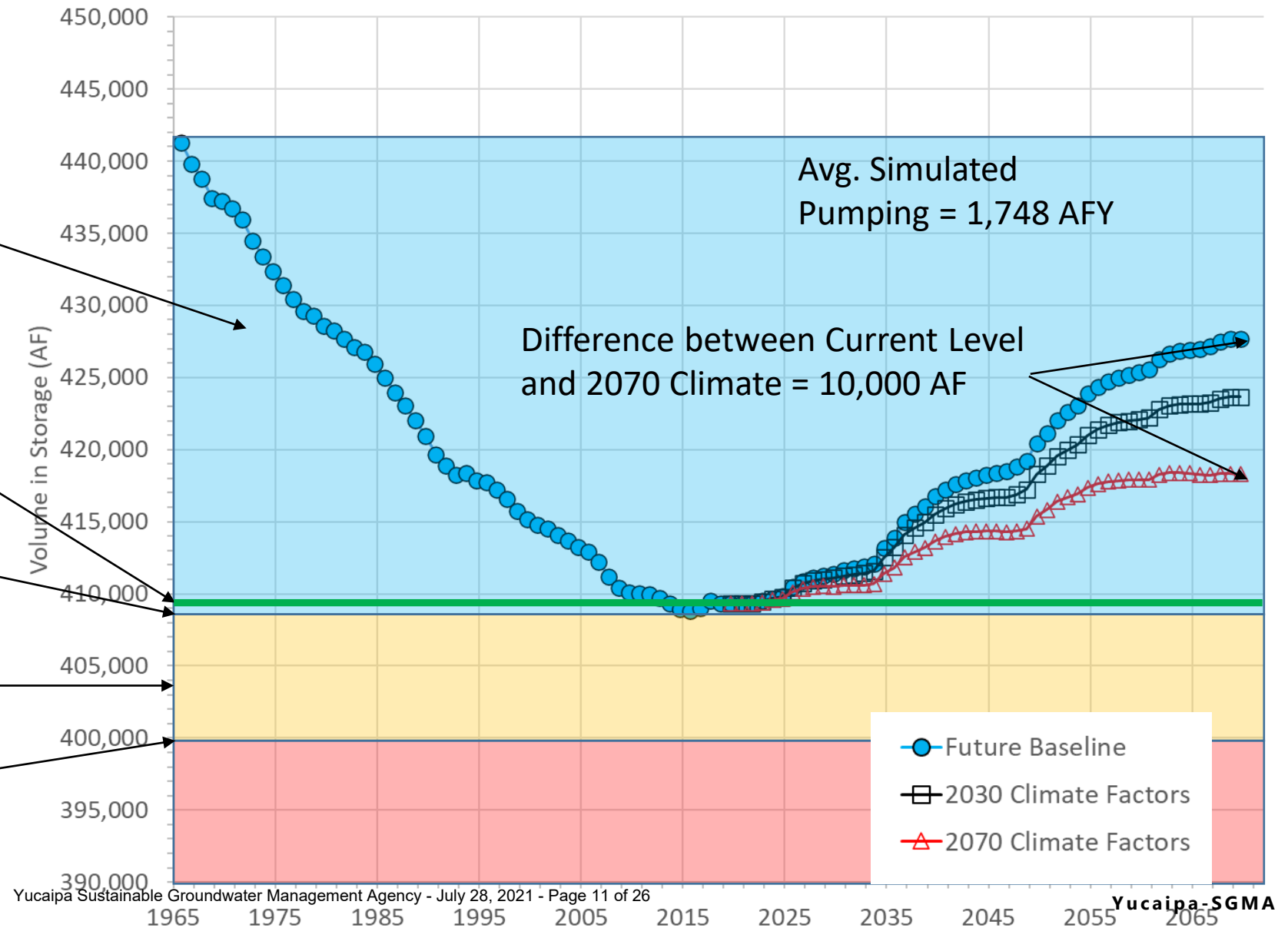
Measurable Objective: Sustainability Goal
@ 409,500 AF

Historical Low
@ 408,800 AF

Drought Buffer Zone

10-Year Drought Buffer from Historical Low
to Minimum Threshold ($408,800 - 9,000 =$
 $399,800$ AF)

Minimum Threshold
@ 399,800 AF



Western Heights Management Area Management Actions

Sustainable Yield (SY)
= 1,764 AFY

Normal Operating Range

Purchase of Supplemental Water and/or
Pumping Reduction **Optional** because basin
can recover on its own

**Measurable Objective: Sustainability Goal
@ 409,500 AF**

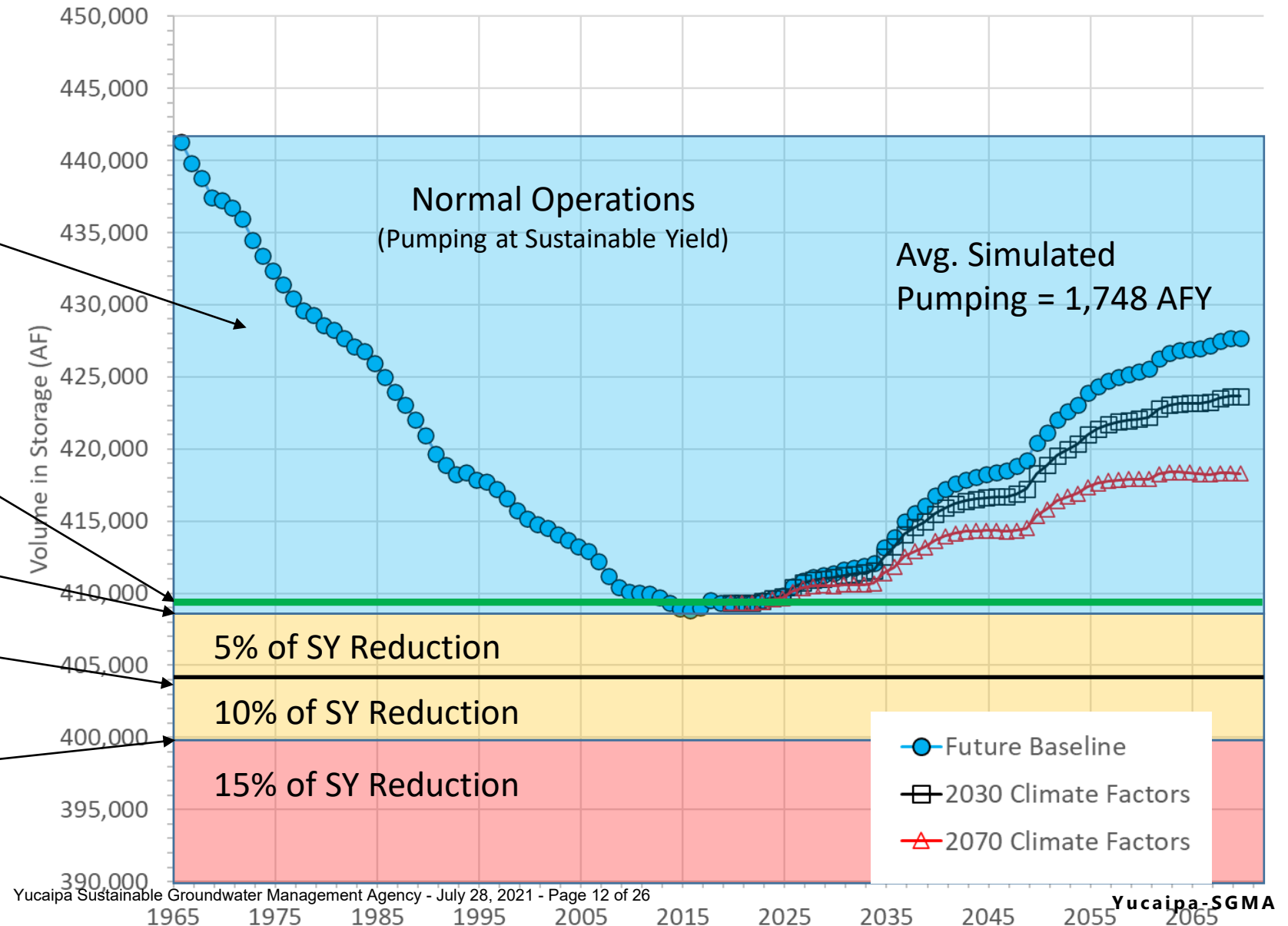
Historical Low
@ 408,800 AF

Drought Buffer Zone

Management Action: Purchase
Supplemental Water and/or Reduce
Pumping by 5% to 10% of SY

Minimum Threshold

Management Action: Purchase
Supplemental Water and/or Reduce
Pumping by 15% of SY



North Bench Management Area Sustainability Criteria

Sustainable Yield (SY) = 4,176 AFY

Normal Operating Range

Purchase of Supplemental Water and/or Pumping Reduction **Optional** because basin can recover on its own

Measurable Objective: Sustainability Goal

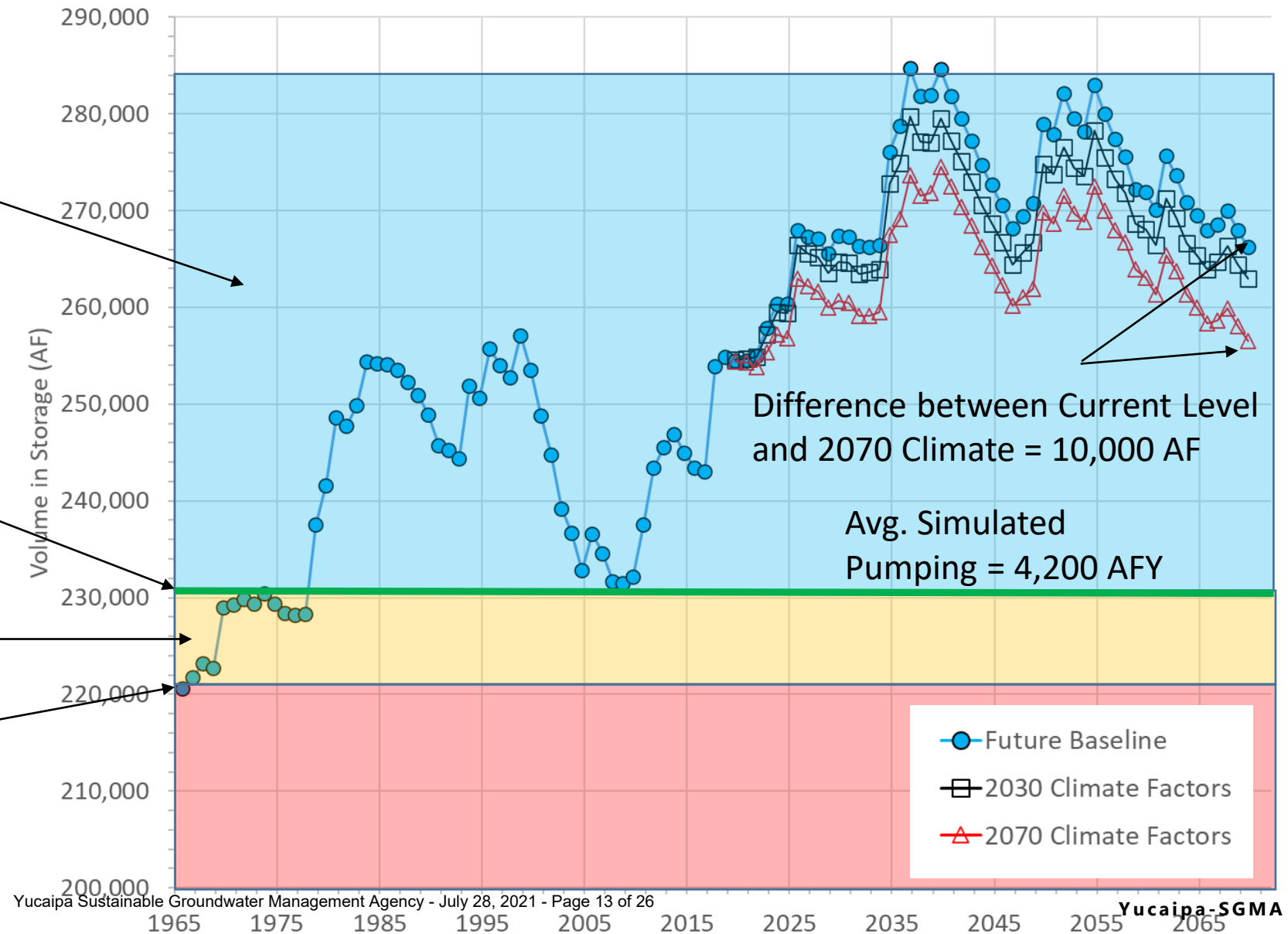
@ 230,600 AF

Drought Buffer Zone

9-Year Drought Buffer from 230,600 AF to Minimum Threshold at 220,600 AF

Minimum Threshold

@ 220,600 AF (Historical Low)



North Bench Management Area Management Actions

Sustainable Yield (SY) = 4,176 AFY

Normal Operating Range

Purchase of Supplemental Water and/or Pumping Reduction **Optional** because basin can recover on its own

Measurable Objective 1

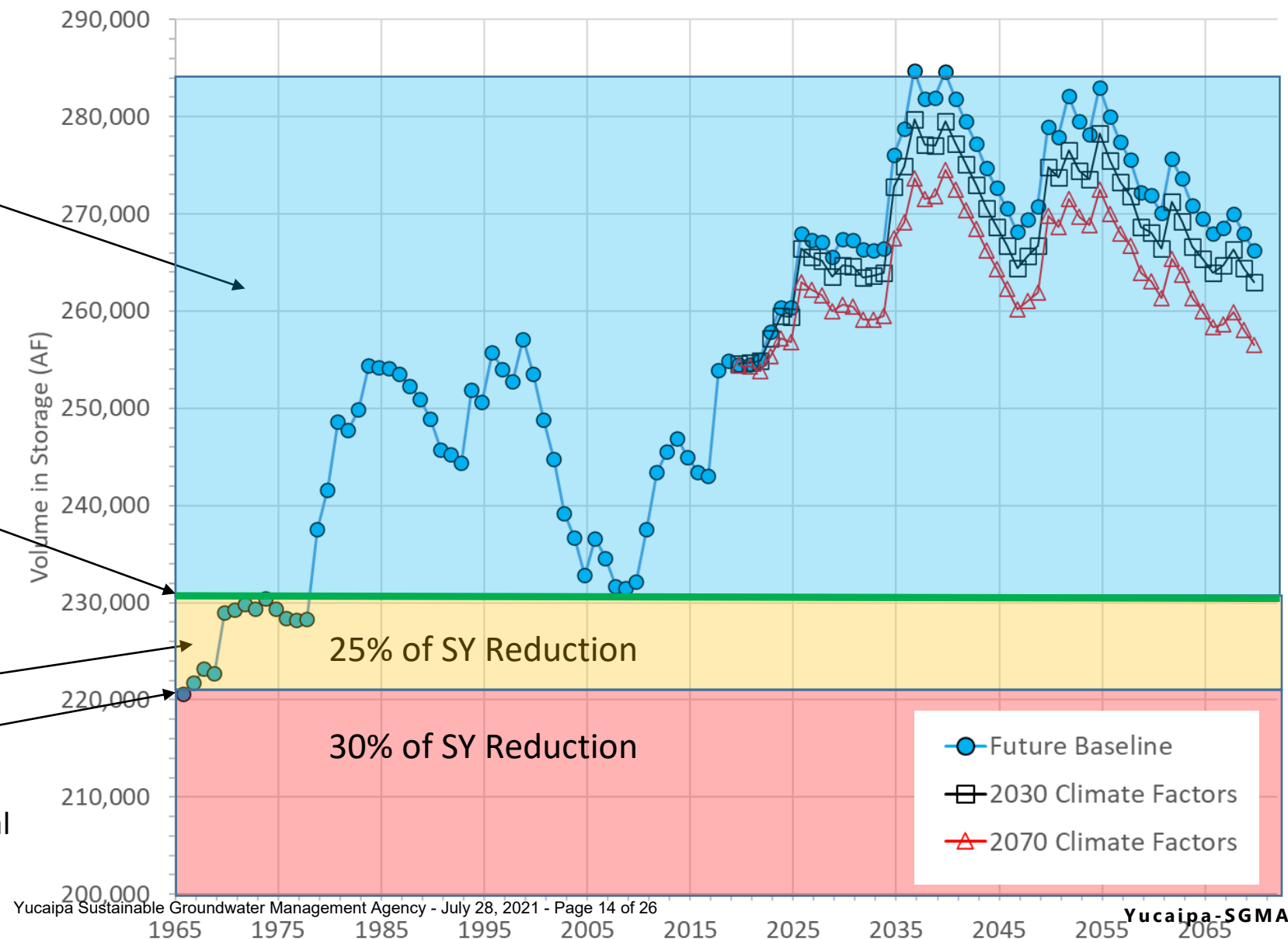
@ 230,600 AF

Drought Buffer Zone

Management Action: Purchase Supplemental Water and/or Reduce Pumping by 25% of SY

Minimum Threshold

Management Action: Purchase Supplemental Water and/or Reduce Pumping by 30% of SY



Plan Implementation – Estimated Annual Costs

	Estimated Annual Cost	Water Purveyors (75% Share)				Municipalities and Regionals (25% Share)			
		South Mesa	South Mountain	Western Heights	YVWD	SBVMWD	SGPWA	City of Redlands	City of Yucaipa
Administrative Costs, Public Engagement, DMS Management	\$ 30,000.00	\$ 5,625.00	\$ 5,625.00	\$ 5,625.00	\$ 5,625.00	\$ 1,875.00	\$ 1,875.00	\$ 1,875.00	\$ 1,875.00
GSP Annual Report	\$ 35,000.00	\$ 6,562.50	\$ 6,562.50	\$ 6,562.50	\$ 6,562.50	\$ 2,187.50	\$ 2,187.50	\$ 2,187.50	\$ 2,187.50
GSP 5-Year Periodic Evaluation (includes update, refine, recalibrate numerical model)	\$ 50,000.00	\$ 9,375.00	\$ 9,375.00	\$ 9,375.00	\$ 9,375.00	\$ 3,125.00	\$ 3,125.00	\$ 3,125.00	\$ 3,125.00
Groundwater Level Monitoring (includes installation/maintenance to obtain data, QA/QC, measuring devices)	\$ 25,000.00	\$ 4,687.50	\$ 4,687.50	\$ 4,687.50	\$ 4,687.50	\$ 1,562.50	\$ 1,562.50	\$ 1,562.50	\$ 1,562.50
Groundwater Production Monitoring (includes installation/maintenance to obtain data, QA/QC, meter calibration)	\$ 25,000.00	\$ 4,687.50	\$ 4,687.50	\$ 4,687.50	\$ 4,687.50	\$ 1,562.50	\$ 1,562.50	\$ 1,562.50	\$ 1,562.50



YUCAIPA SGMA

Yucaipa Sustainable Groundwater Management Agency

Plan Implementation – Estimated Annual Costs

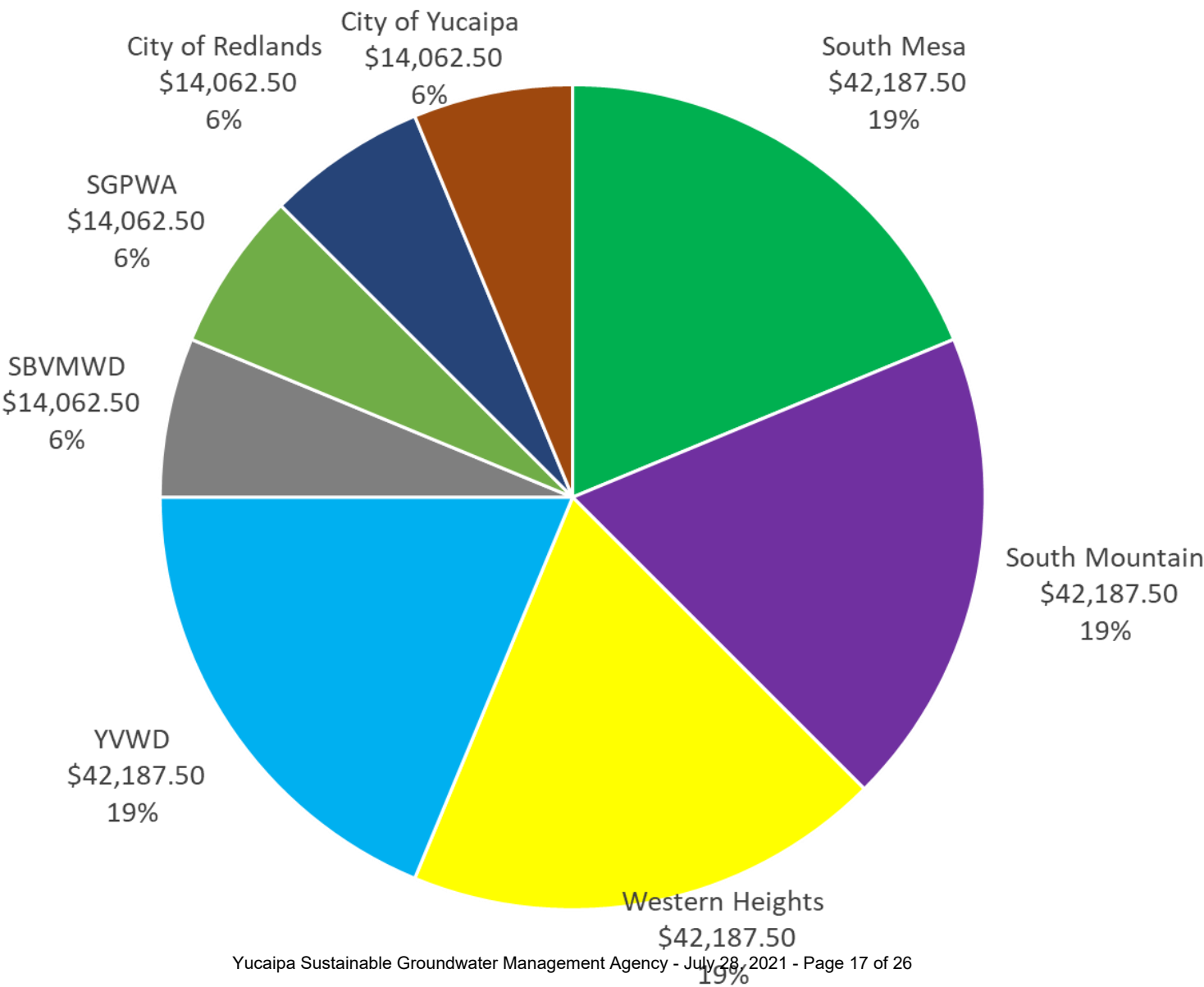
	Estimated Annual Cost	Water Purveyors (75% Share)				Municipalities and Regionals (25% Share)			
		South Mesa	South Mountain	Western Heights	YVWD	SBVMWD	SGPWA	City of Redlands	City of Yucaipa
Groundwater Quality Monitoring (includes installation/maintenance to obtain data, QA/QC, field meters)	\$ 15,000.00	\$ 2,812.50	\$ 2,812.50	\$ 2,812.50	\$ 2,812.50	\$ 937.50	\$ 937.50	\$ 937.50	\$ 937.50
Install, Maintain Monitoring Wells	\$ 20,000.00	\$ 3,750.00	\$ 3,750.00	\$ 3,750.00	\$ 3,750.00	\$ 1,250.00	\$ 1,250.00	\$ 1,250.00	\$ 1,250.00
Inactive Well Capping and Sealing Program	\$ 10,000.00	\$ 1,875.00	\$ 1,875.00	\$ 1,875.00	\$ 1,875.00	\$ 625.00	\$ 625.00	\$ 625.00	\$ 625.00
Surface Water Stream Flow Gaging Stations Installation and Maintenance Program	\$ 15,000.00	\$ 2,812.50	\$ 2,812.50	\$ 2,812.50	\$ 2,812.50	\$ 937.50	\$ 937.50	\$ 937.50	\$ 937.50
TOTAL	\$ 225,000.00	\$ 42,187.50	\$ 42,187.50	\$ 42,187.50	\$ 42,187.50	\$ 14,062.50	\$ 14,062.50	\$ 14,062.50	\$ 14,062.50



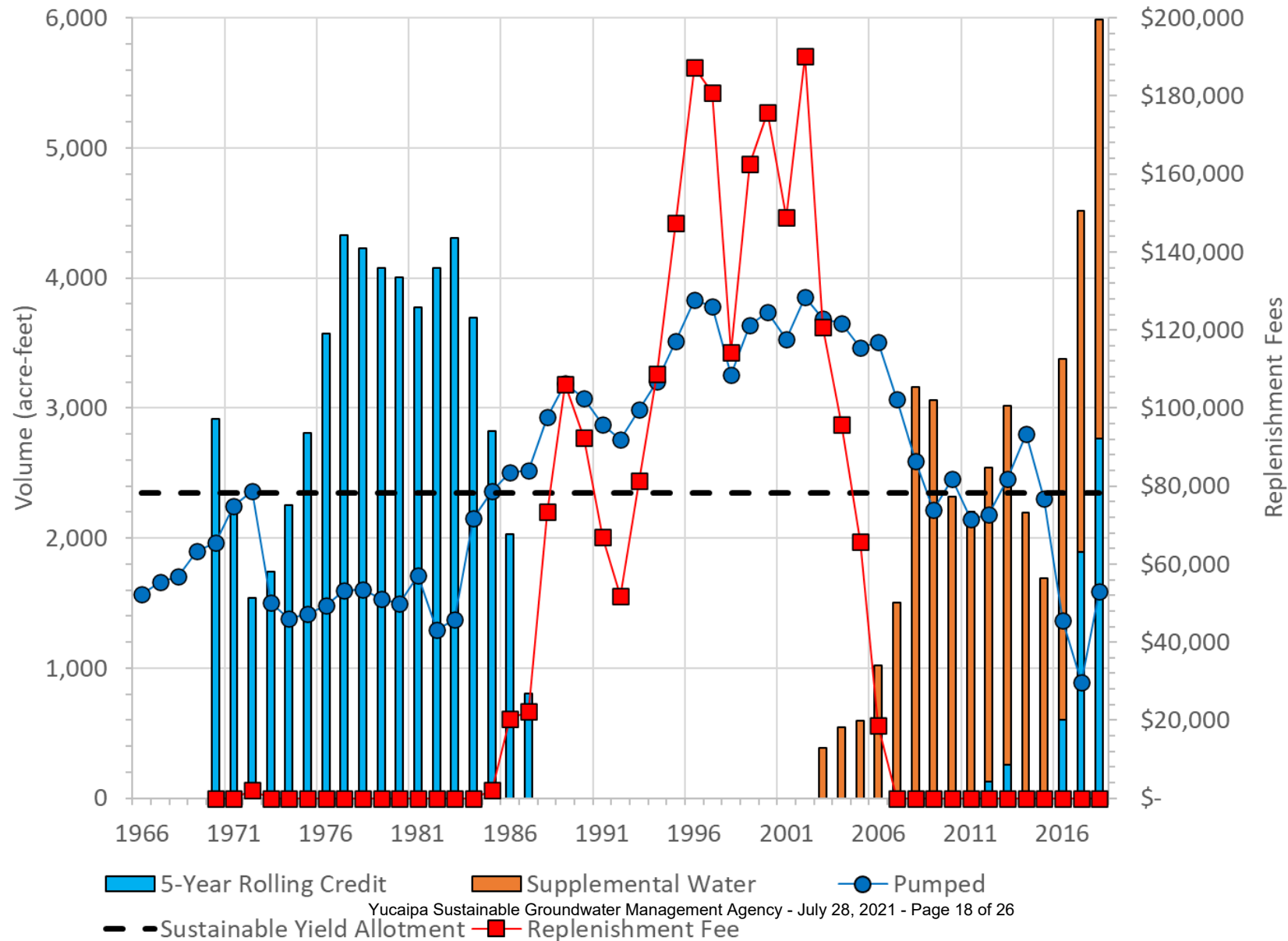
YUCAIPA SGMA

Yucaipa Sustainable Groundwater Management Agency

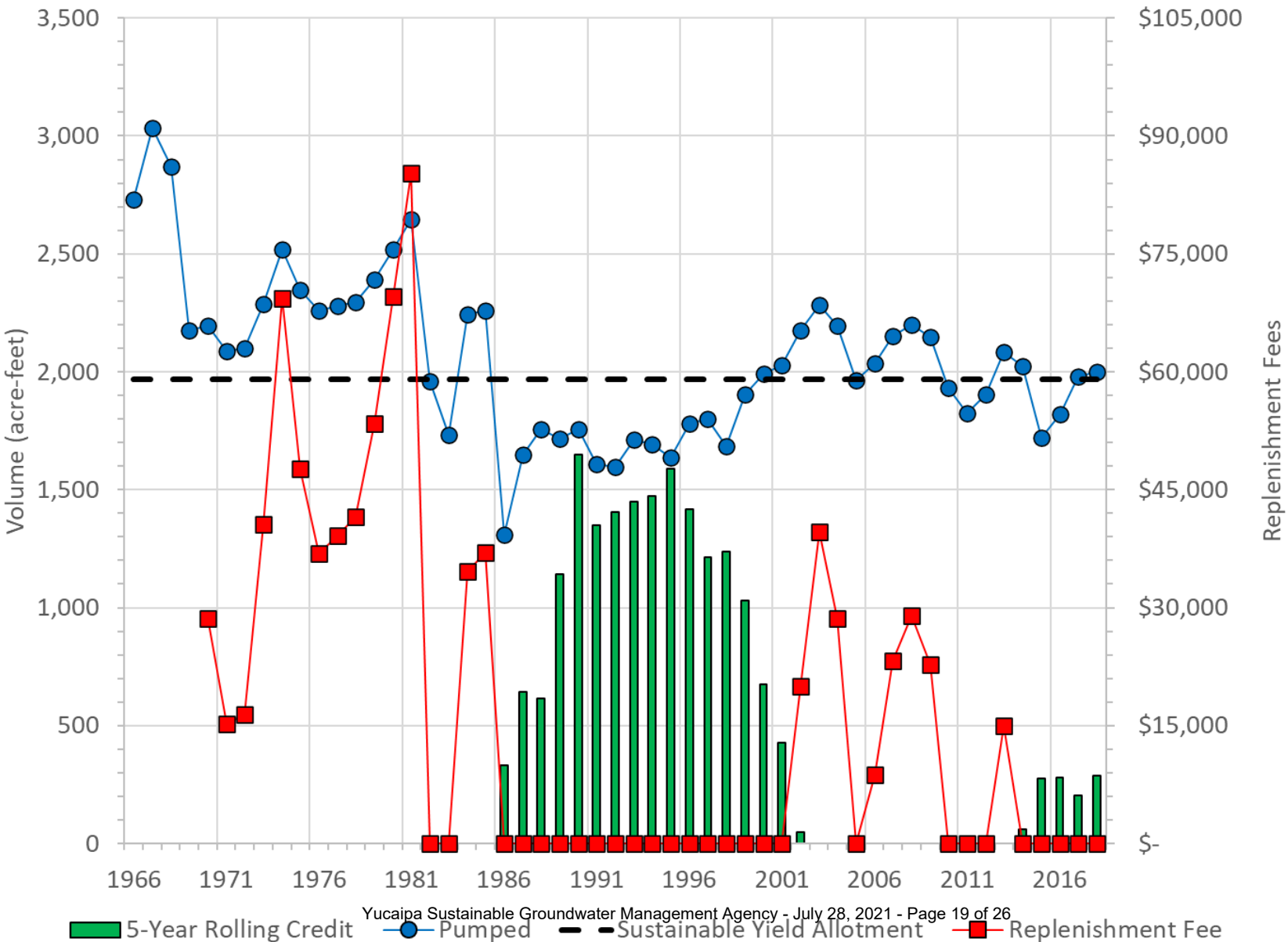
Estimated Annual Costs – MOA Shared



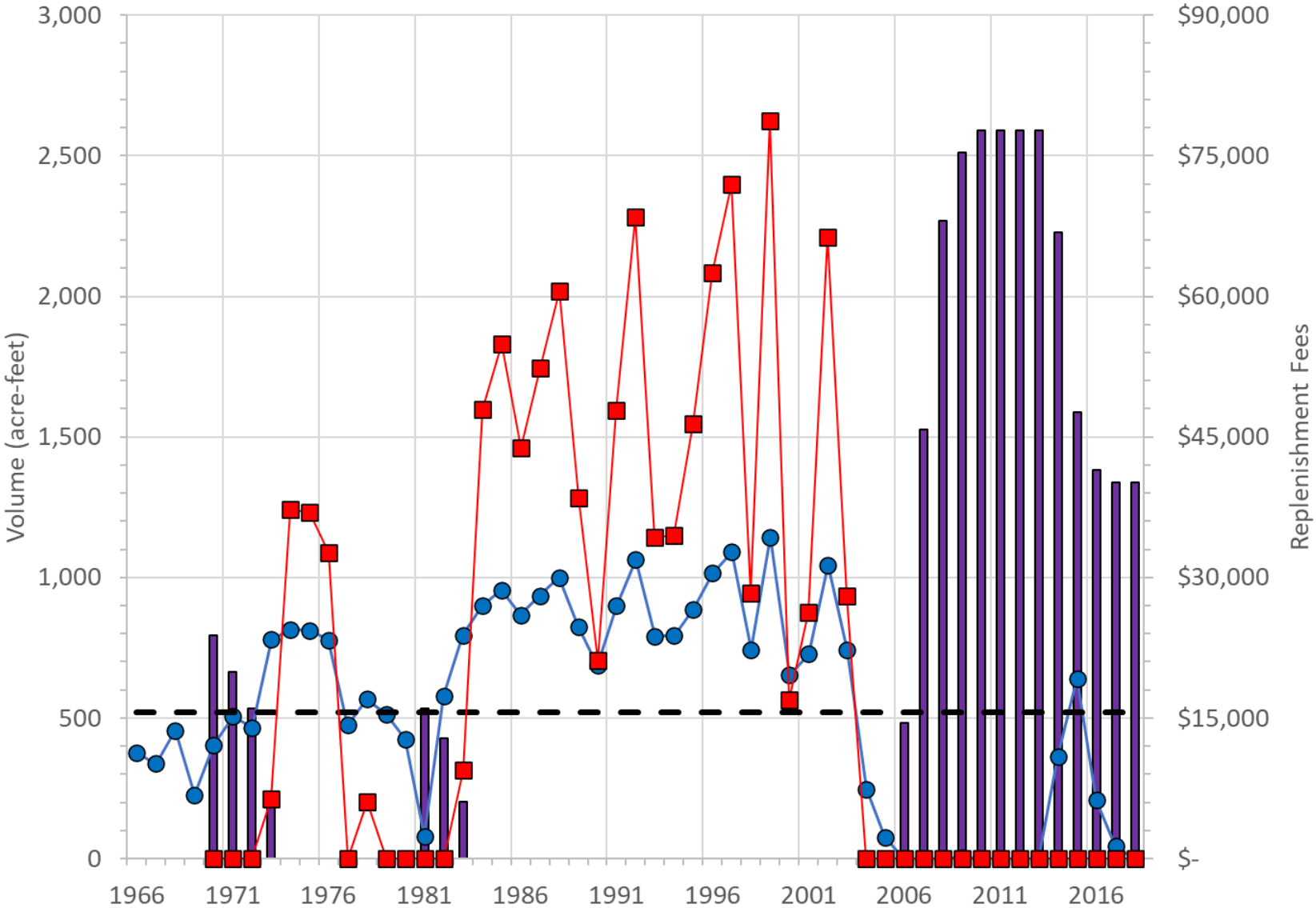
5-Year Rolling Credit and Replenishment Fees for YVWD (CMA)



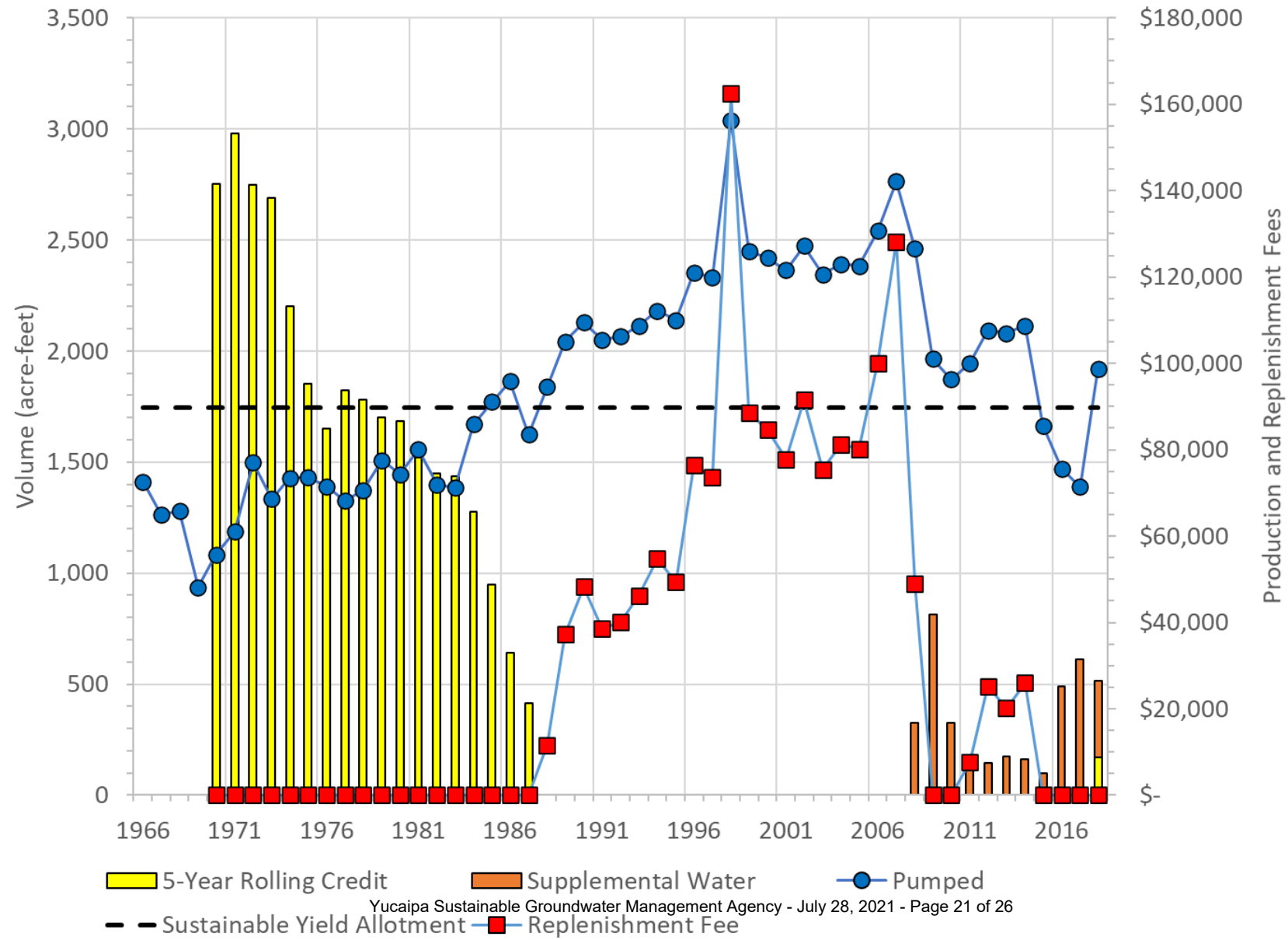
5-Year Rolling Credit and Replenishment Fees for South Mesa



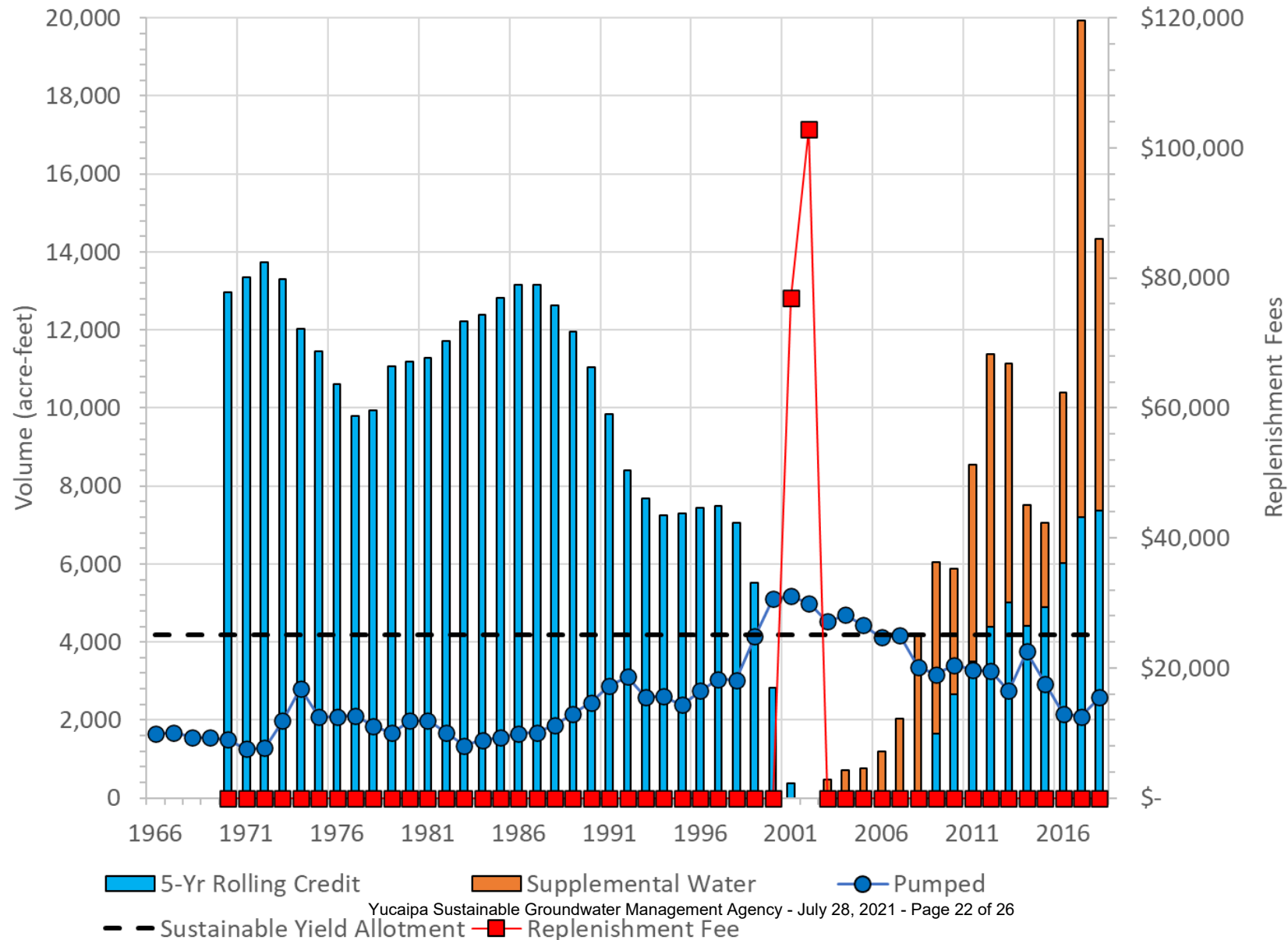
5-Year Rolling Credit and Replenishment Fees for South Mountain



5-Year Rolling Credit and Replenishment Fees for WHWC

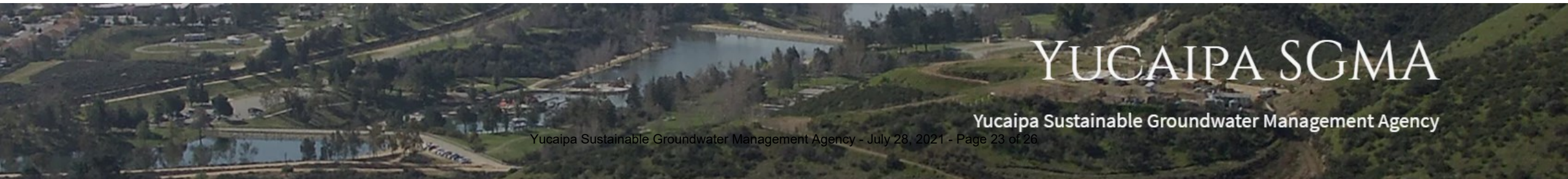


5-Year Rolling Credit and Replenishment Fees for YVWD (NBMA)



Tentative Schedule for Draft Chapters of the GSP

- August 31 – Admin Drafts of Chapters 1 – 5
- Draft GSP Chapters uploaded to Sharepoint site:
 - <https://dudekpubs.sharepoint.com/sites/Yucaipa-SGMA>
 - This site will also host comments received and responses to comments.

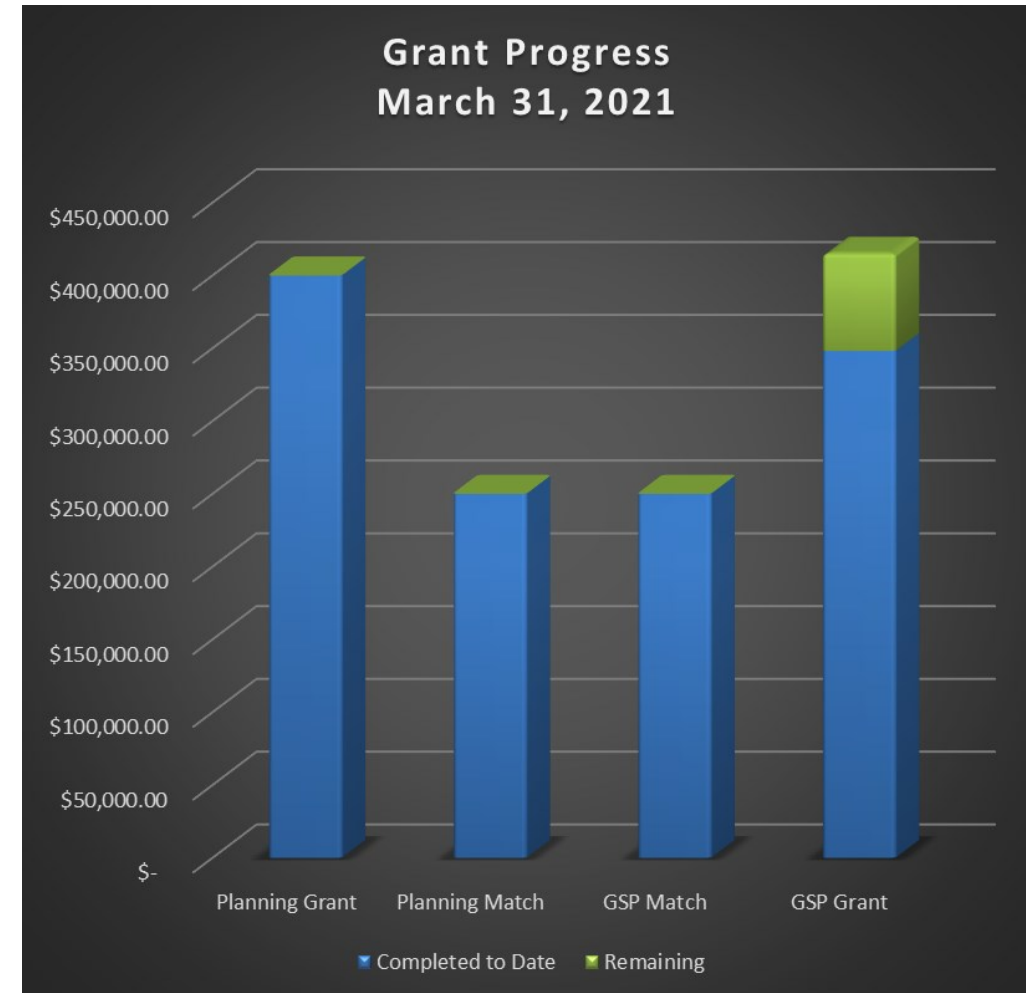


YUCAIPA SGMA

Yucaipa Sustainable Groundwater Management Agency

Grant Status (to be updated)

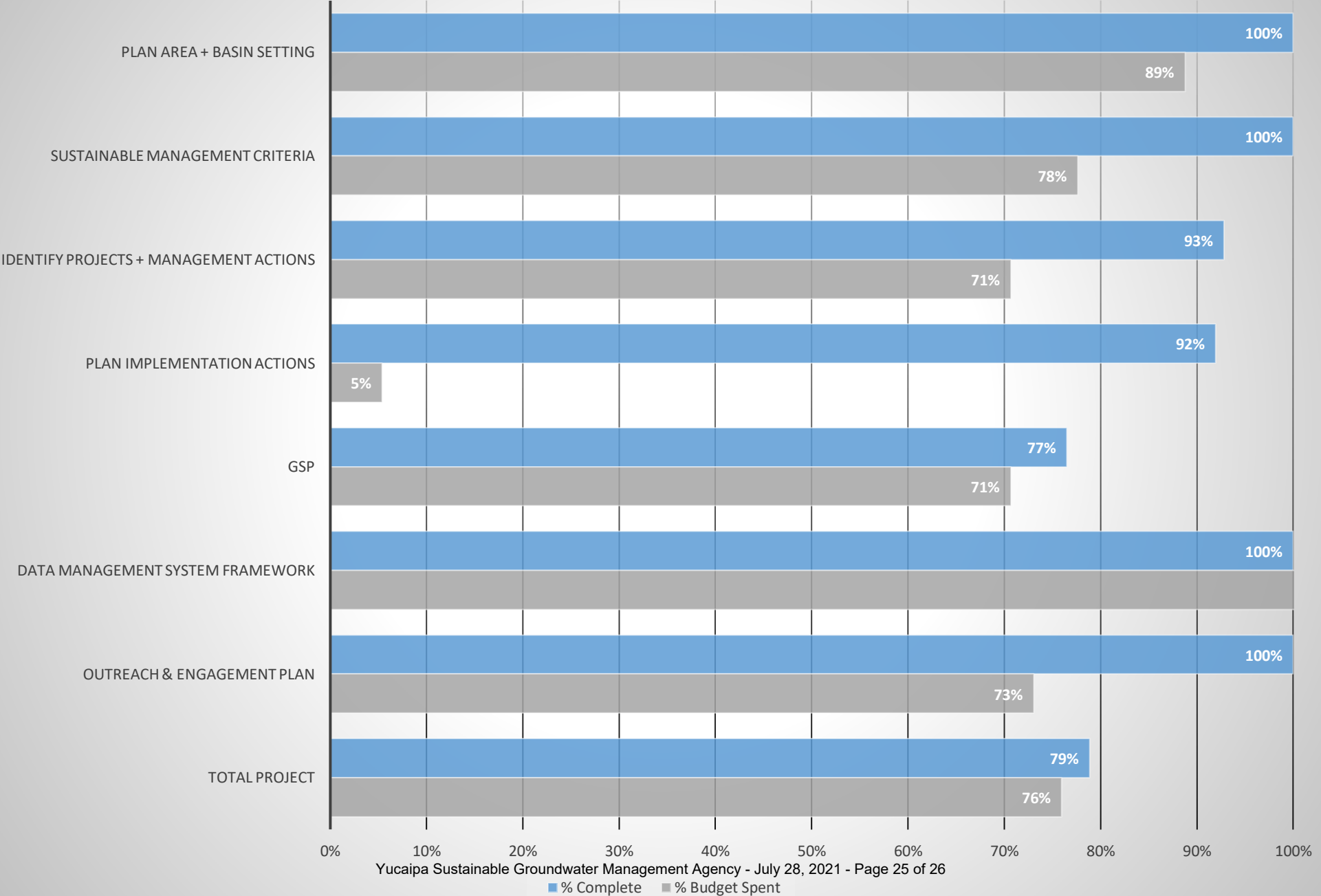
- 9th Quarterly Report (1/1/21-3/31/21)
- Planning Activities 97% Complete
 - The final Model Report is the last outstanding deliverable
- GSP Activities 71% Complete
 - Match requirements have been met



YUCAIPA SGMA

Yucaipa Sustainable Groundwater Management Agency

Yucaipa GSP Development (as of 6/30/2021)



GSP Road Map

