Notice and Agenda
Special Meeting of the Beaumont Basin Watermaster

Wednesday, January 10, 2024 at 11:00 a.m.

Meeting Location:
Beaumont-Cherry Valley Water District
560 Magnolia Avenue • Beaumont, California 92223

This meeting is hereby noticed pursuant to California Government Code Section 54950 et. seq.

Members of the Watermaster Committee:

City of Banning
City of Beaumont
Beaumont-Cherry Valley Water District
South Mesa Water Company
Yucaipa Valley Water District

Remote attendance options are provided primarily as a matter of convenience to the public. Unless a Watermaster Committee member is attending remotely pursuant to provisions of GC 54953 et. seq., the public, in-person meeting will not stop or be otherwise suspended should a technological interruption occur with respect to the Zoom teleconference or call-in line listed on the agenda. Members of the public are encouraged to attend BBWM meetings in person at the above address, or remotely using the options listed.

Online Meeting Participation Link:
https://us02web.zoom.us/j/81638720446?pwd=UnNZcC9TbGZzTGFuMHdhVkRMblczQT09

Telephone: (669) 900-9128 / Meeting ID: 816-3872-0446 / Passcode: 636756
One-Tap Mobile: +16699009128,,81638720446#,,,,*636756#

*For Public Comment, use the **"Raise Hand"** feature if on the video call when prompted, if dialing in, please **dial *9 to "Raise Hand"** when prompted*

Meeting materials are available on the Watermaster website:
https://beaumontbasinwatermaster.org/

BEAUMONT BASIN WATERMASTER COMMITTEE
SPECIAL MEETING – WORKSHOP
JANUARY 10, 2024

I. Call to Order

II. Roll Call

Committee Member Agency	Primary Representative		Alternate	
City of Banning	Arturo Vela, Chair		Nathan Smith	
City of Beaumont	Vacant		Robert Vestal	
Beaumont-Cherry Valley Water District	Daniel Jaggers		Mark Swanson	
South Mesa Water Company	Dave Armstrong		Brittany Lim	
Yucaipa Valley Water District	Joseph Zoba		Jennifer Ares	

III. Pledge of Allegiance

IV. Public Comments At this time, members of the public may address the Beaumont Basin Watermaster on matters within its jurisdiction; however, no action or discussion may take place on any item not on the agenda. To provide comments on specific agenda items, please complete a Request to Speak form and provide that form to the Secretary prior to the commencement of the meeting, or, RAISE HAND electronically or Press *9 when prompted for public comment.

ACTION ITEMS

Action may be taken on any item on the agenda.

V. Workshop / Discussion Items

A. Update on the Safe Yield Redetermination [No written staff report]

PowerPoint slides for Items B and C begin on Page 6

B. Watermaster Goal for the Basin

   a. Discuss Undesirable Result(s) for Basin

   b. Discuss Model Scenarios to Evaluate Undesirable Result(s)

C. 40,000-AF Storage Depletion in West Side of Beaumont Basin

D. Management of Storage Accounts [Memorandum 24-01 – Page 22]

E. Identify next steps

VI. Topics for Future Meetings

	Item	Date Listed
A	Development of a Recycled Water Policy	3/27/2019
B	Development of a return flow accounting policy	3/27/2019
C	Development of a methodology and policy to account for groundwater storage losses in the basin / groundwater management	3/27/2019
D	Procurement Policy including thresholds for RFP process	8/17/2021
E	Incidental discharge	10/6/2021
F	Evaluation of Storage Issues in the Basin	Tabled from 12/2/2021 meeting
G	Monitoring of future west side well sites and methodologies, and potential collaboration with USGS	10/5/2022
H	Direction for use of different types of storage accounts	8/2/2023
I	Revision of Rules and Regulations: i. Mechanism for BBWM to collect funds if storage account is in deficit (Development of a rate for overproduction of right) ii. General modernization of rules and regulations iii. Clarification of overlier transfers process iv. Proposal from Dudek for this work	8/2/2023
J	Process and categorization of water production for the annual report	8/2/2023

VII. Comments from the Watermaster Committee Members

VIII. Announcements

A. The next meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, February 7, at 11 a.m.

B. 2024 Meeting Dates:

Wednesday, March 6 at 11 a.m.	Special Meeting / Workshop
Wednesday, April 3 at 11 a.m.	Regular Meeting
Wednesday, June 5 at 11 a.m.	Regular Meeting
Wednesday, August 7 at 11 a.m.	Regular Meeting
Wednesday, October 2 at 11 a.m.	Regular Meeting
Wednesday, December 4 at 11 a.m.	Regular Meeting

IX. Adjournment

NOTICES

AVAILABILITY OF AGENDA MATERIALS - Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the Beaumont Basin Watermaster Committee in connection with a matter subject to discussion or consideration at an open meeting of the Committee are available for public inspection in the Office of the Watermaster Secretary, at 560 Magnolia Avenue, Beaumont, California ("Office") during business hours, Monday through Thursday from 7:30 a.m. to 5 p.m. If such writings are distributed to members of the Committee less than 72 hours prior to the meeting, they will be available from the Office at the same time or within 24 hours' time as they are distributed to Board Members, except that if such writings are distributed one hour prior to, or during the meeting, they can be made available in the Board Room at the District Office. Materials may also be available on the Watermaster website: https://beaumontbasinwatermaster.org/.

REVISIONS TO THE AGENDA - In accordance with §54954.2(a) of the Government Code (Brown Act), revisions to this Agenda may be made up to 72 hours before the Board Meeting, if necessary, after mailings are completed. Interested persons wishing to receive a copy of the set Agenda may pick one up at the Office, located at 560 Magnolia Avenue, Beaumont, California, or download from the website up to 72 hours prior to the Meeting.

REQUIREMENTS RE: DISABLED ACCESS - In accordance with §54954.2(a), requests for a disability related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting, should be made to the Office, at least 48 hours in advance of the meeting to ensure availability of the requested service or accommodation. The Office may be contacted by telephone at (951) 845-9581, email at info@bcvwd.org or in writing to the Beaumont Basin Watermaster Committee, c/o Beaumont-Cherry Valley Water District, 560 Magnolia Avenue, Beaumont, California 92223.

CERTIFICATION OF POSTING

A copy of the foregoing notice was posted near the regular meeting place of the Beaumont Basin Watermaster Committee and to its website at least 24 hours in advance of the meeting (Government Code §54954.2(a)).

Discussion Items

Beaumont Basin Watermaster

Outline of Proposed Approach to Assess Potential for Future Undesirable Results in the Beaumont Basin

January 10, 2024

Thomas Harder & Co.
Groundwater Consulting

Presentation Overview

- Potential for Undesirable Results for the Beaumont Basin (Agenda Item B.a)
- Potential Model Scenarios to Evaluate Undesirable Results Using the Groundwater Model (Agenda Item B.b)
- Discussion of Causes for Recharge/Discharge Imbalance on the West Side of the Basin (Agenda Item C)

Thomas Harder & Co.
Groundwater Consulting

In SGMA, Sustainability is Linked to Six Sustainability Indicators

- Chronic Lowering of Groundwater Levels
- Reduction of Groundwater in Storage
- Degraded Groundwater Quality
- Land Subsidence
- Seawater Intrusion
- Depletion of Interconnected Surface and Groundwater

Sustainability indicators are the effects caused by groundwater conditions occurring throughout the basin that, when significant and unreasonable, become undesirable results.

23CCR 351(ah); Water Code 10721 (w)

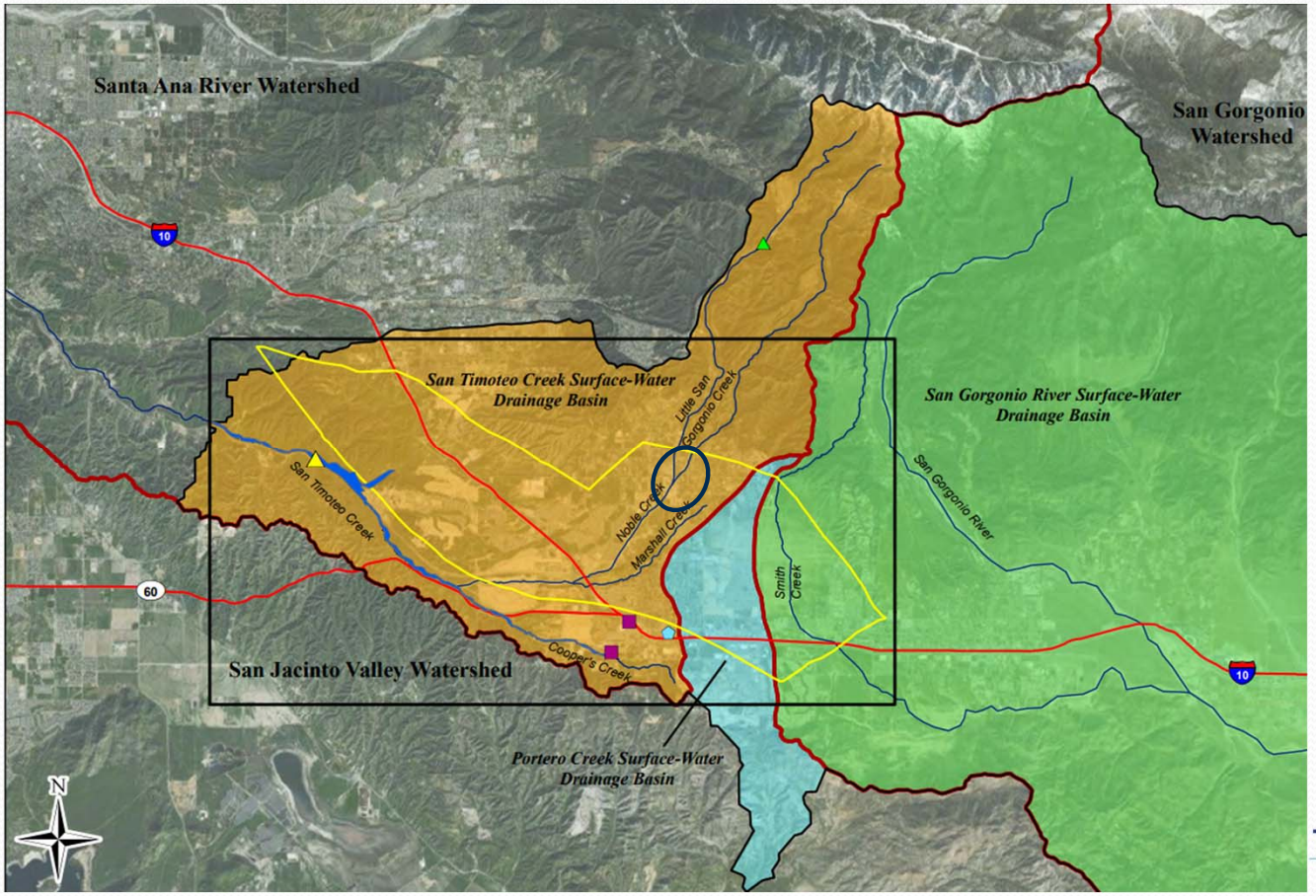
Thomas Harder & Co.
Groundwater Consulting

The Sustainability Indicators Most Applicable to the Beaumont Basin Are:

- Chronic Lowering of Groundwater Levels
- Reduction of Groundwater in Storage
- Degraded Groundwater Quality
- Land Subsidence
- Seawater Intrusion
- Depletion of Interconnected Surface and Groundwater

Thomas Harder & Co.
Groundwater Consulting

Most of the Natural and Managed Groundwater Recharge Occurs on the East Side of the Basin



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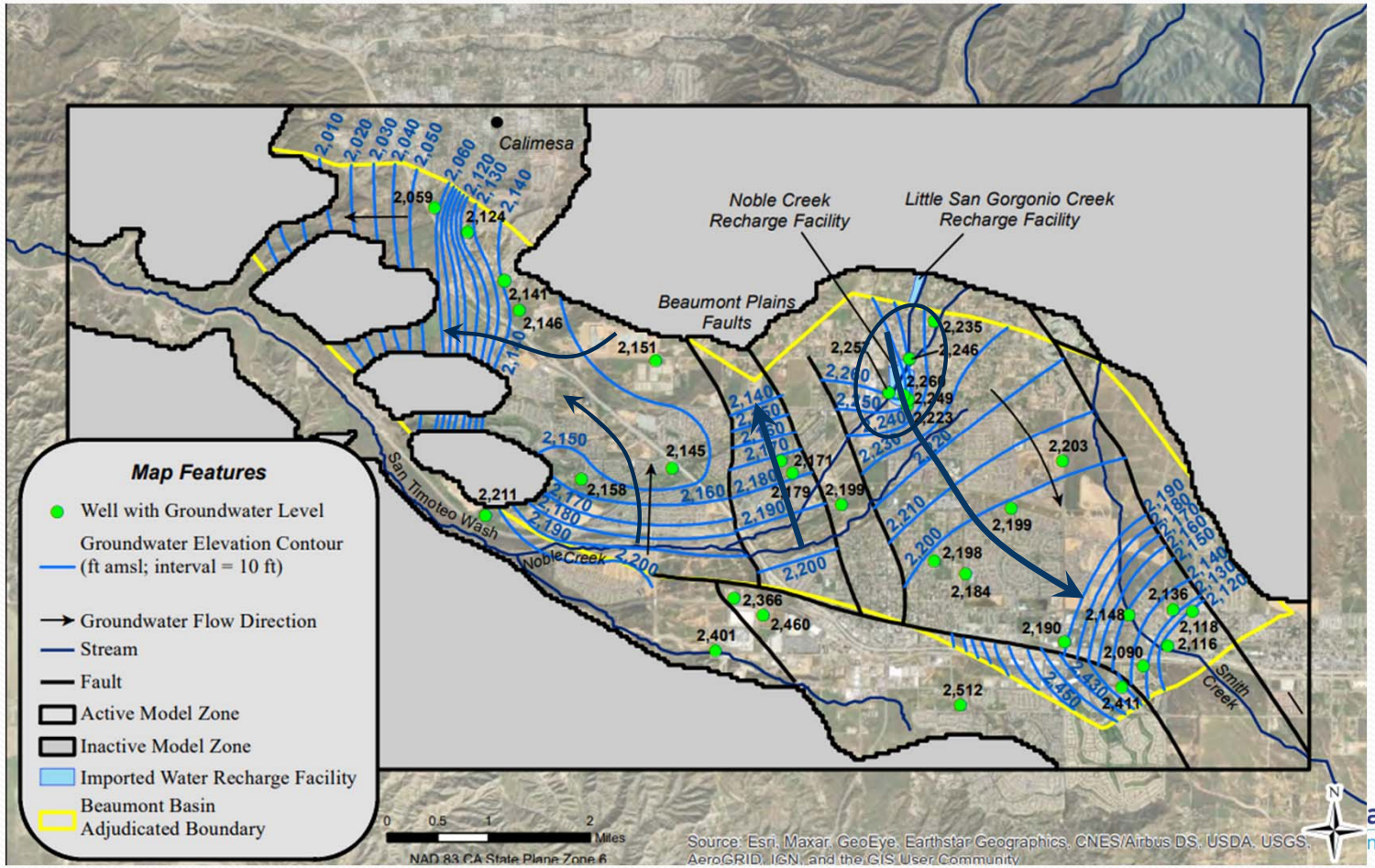
Groundwater Flow from the Areas of Principal Recharge Doesn't Reach the West Part of the Basin



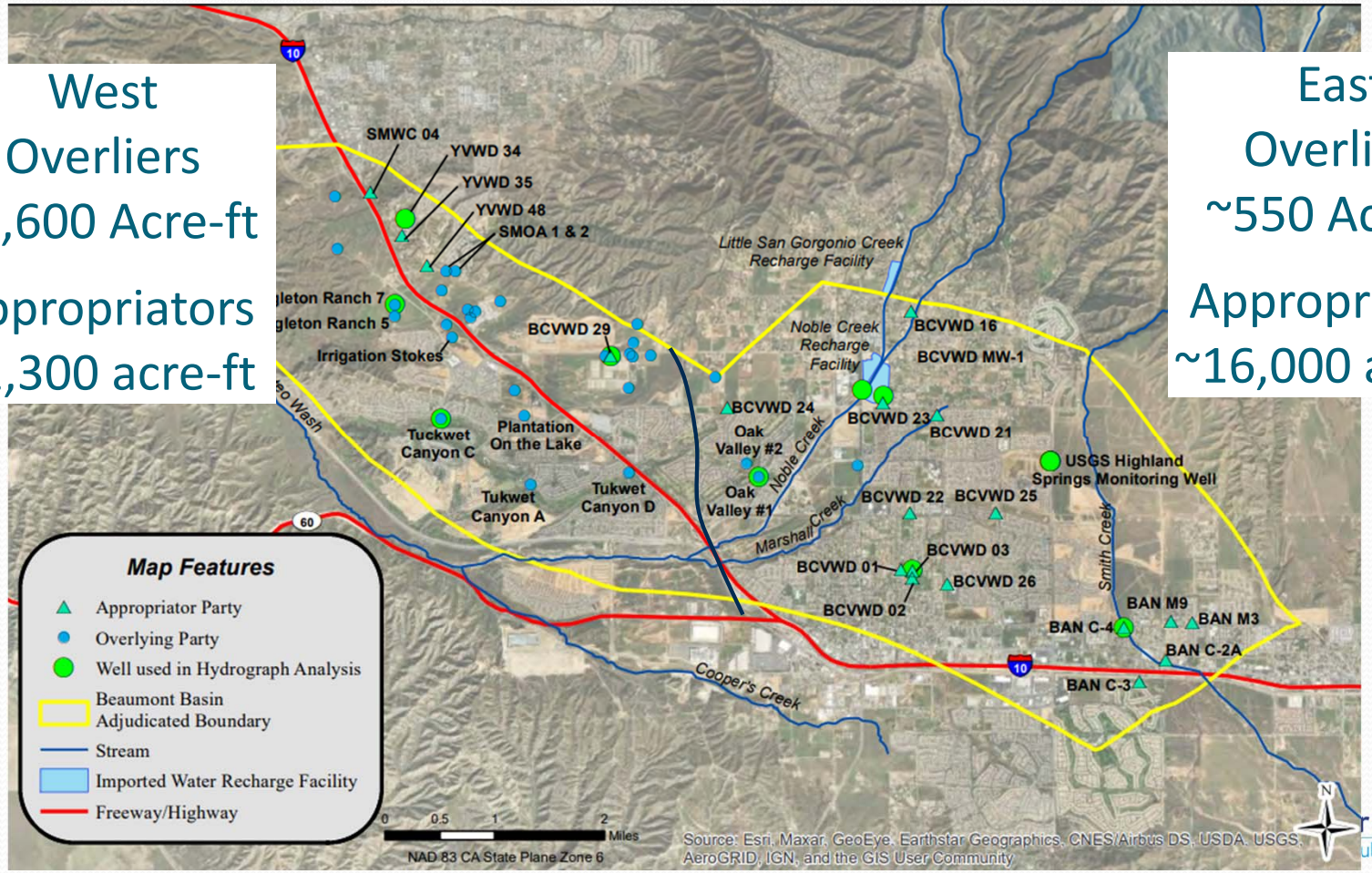
Groundwater Flow Direction →

as Harder & Co.
ndwater Consulting

Groundwater Pumping

West
Overliers
~1,600 Acre-ft

Appropriators
~1,300 acre-ft

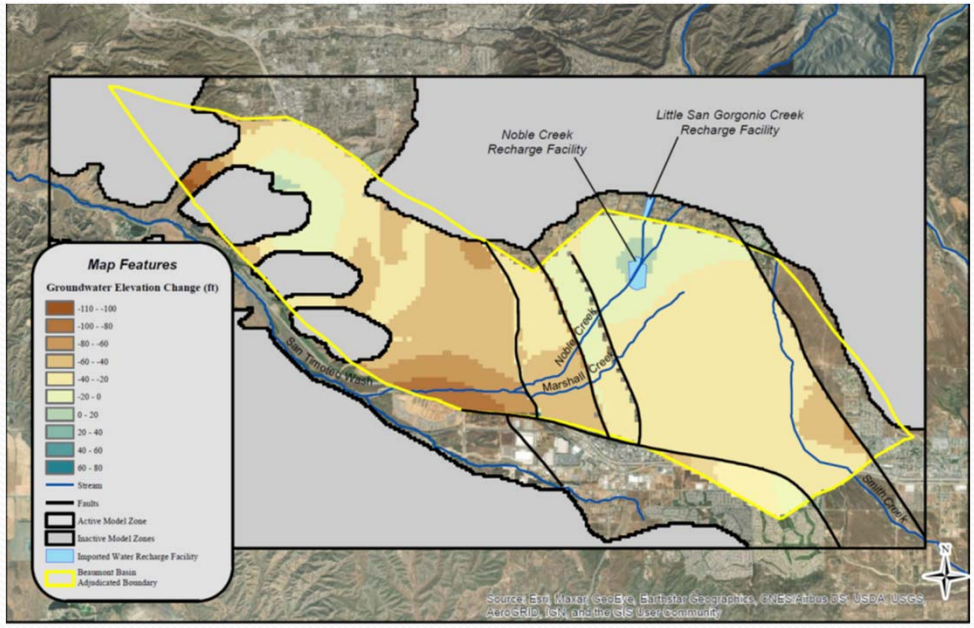


East
Overliers
~550 Acre-ft

Appropriators
~16,000 acre-ft

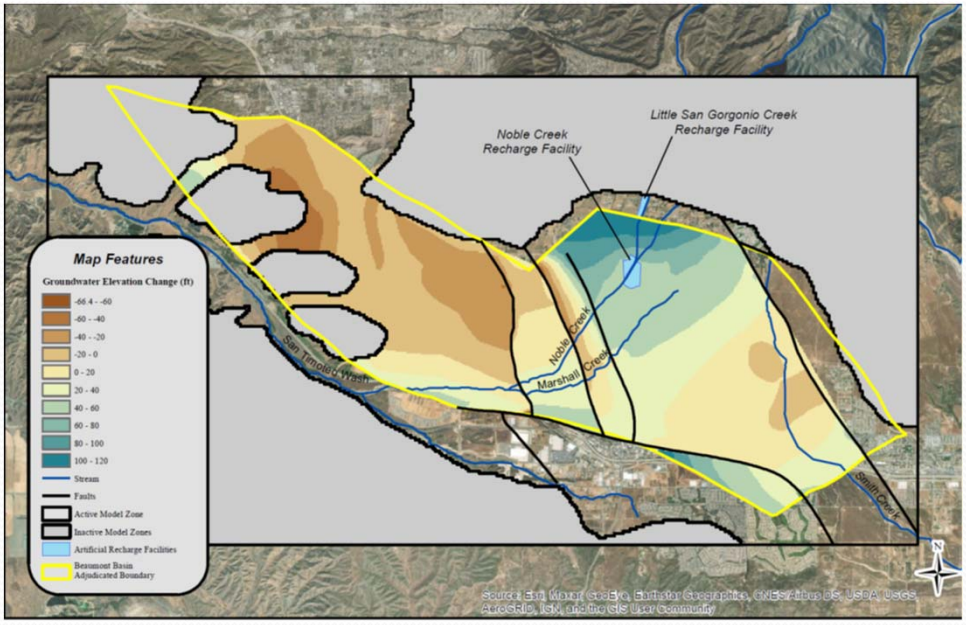
Change in Groundwater Storage

2003 - 2013



-64,000 Acre-ft

2013 - 2020



22,000 Acre-ft

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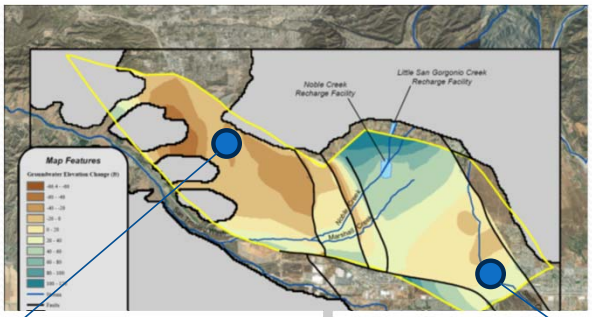
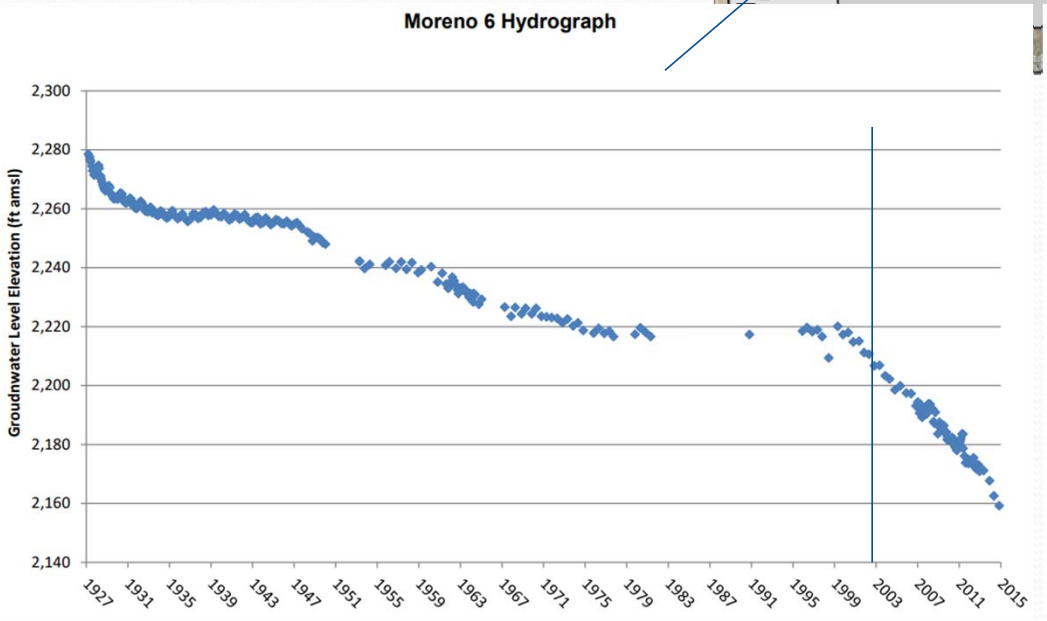
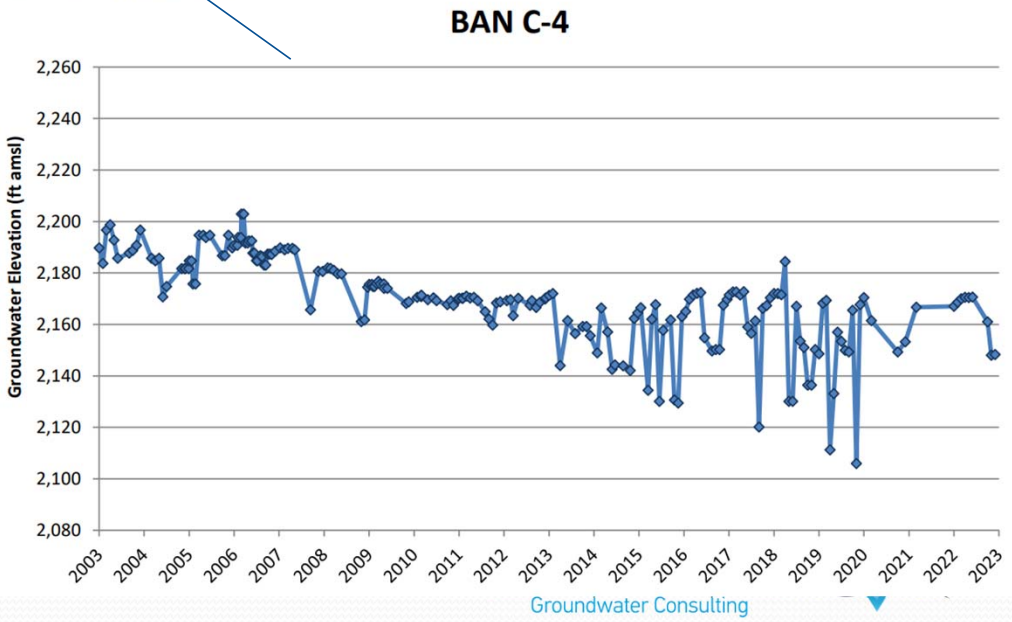
Change in Groundwater Storage







Groundwater Consulting

SGMA Required Elements Missing in Beaumont Basin Process

- Identification of what Constitutes Significant and Unreasonable Conditions
- Identification of Metrics to Avoid those Conditions
- Identification of Projects and Management Actions That Would be Implemented if Significant and Unreasonable Conditions are Possible

Thomas Harder & Co.
Groundwater Consulting

What Conditions Could Produce Undesirable Results in the Beaumont Basin?

1. Prolonged Drought-Related Reduction in Supplemental (Imported) Water Supplies
2. Depletion of Storage Accounts
    1. To Make Up for Unavailable Supplemental Supplies
    2. Because it is Less Expensive than Supplemental Water
    3. Because the Physical Benefits from Supplemental Water Recharge Are Not Available (e.g. Purchasing Water Physically Stored on the East Side and Physically Recovering it on the West)
3. Continued Production In Excess of Recharge (Natural or Supplemental) in the Western Part of the Basin
4. Prolonged Supplemental Recharge of Water of Lesser Quality than the Native Groundwater

Thomas Harder & Co.
Groundwater Consulting

Proposed Analysis of Basin Management Scenarios to Identify Potential Undesirable Results

- **Purpose**: To Test the Impacts of Plausible Extreme Dry Hydrological Conditions on Groundwater Levels and Groundwater in Storage in the Basin
- **Method**: Analyze a Scenario(s) Using the Updated Calibrated Groundwater Flow Model of the Basin and Assess the Potential for Adverse Groundwater Level Impacts on Beneficial Uses and Users of Groundwater
- **Goal**: To Establish A Basis for Identifying Significant and Unreasonable Conditions that Would Be Considered Undesirable Results and to Provide a Planning Tool for Future Projects and Management Actions

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Proposed Analysis of Basin Management Scenarios to Identify Potential Undesirable Results

- **Baseline**
  - Based on Safe Yield Redetermination Future Projection
    - Supplemental Recharge Based on a Proxy of Historical Availability Between 2012 and 2023
    - Appropriator Pumping Based on Urban Water Management Plan Projections
    - Hydrology Based on Historical Conditions Projected Into the Future After Adjusting for Climate Change
    - Overlyer Production Based on 2022 Pumping
  - Already Being Analyzed As Part of the Safe Yield Redetermination

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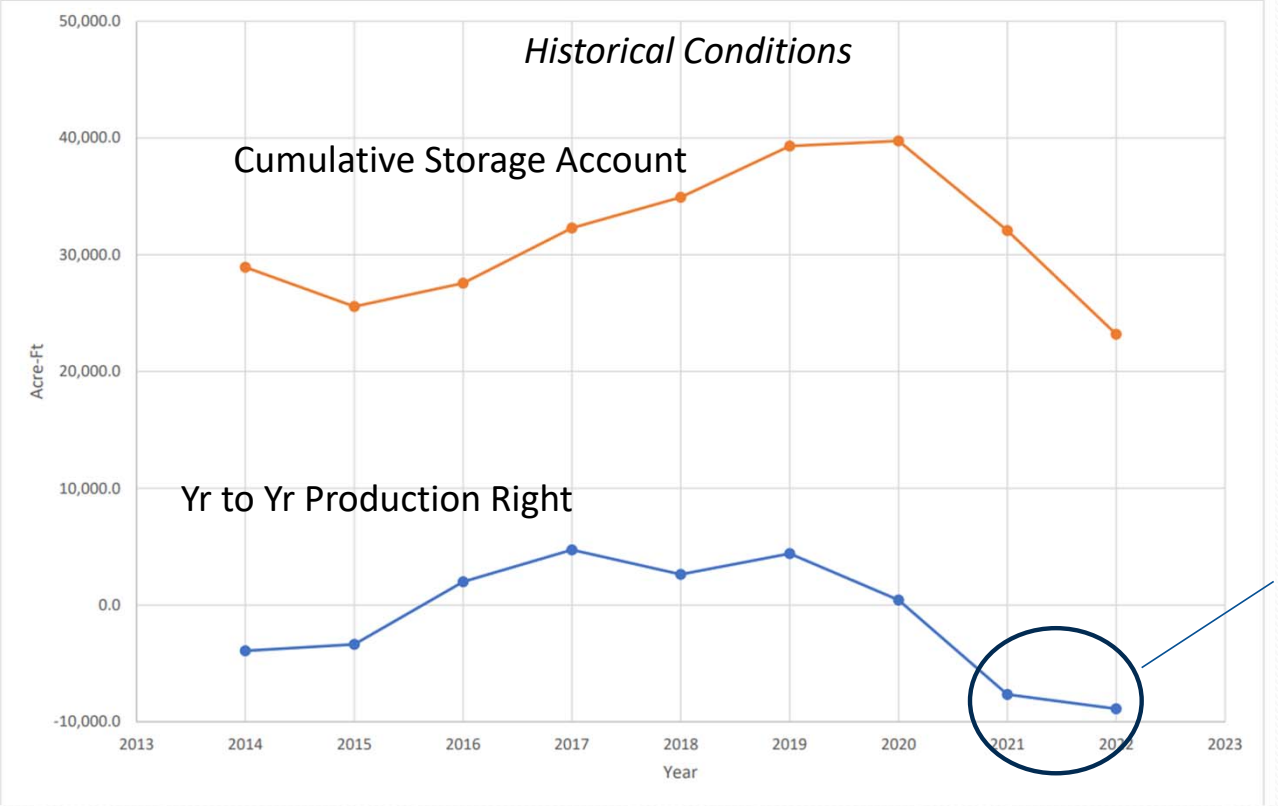
Potential Basis for Establishing Extreme Hydrology Scenario: Example BCVWD



Average Supplemental Water Recharge of 7,900 Acre-ft/yr

Conditions Requiring a Draw from Storage
Generally, Less than 10,000 Acre-ft of Supplemental Water Recharge

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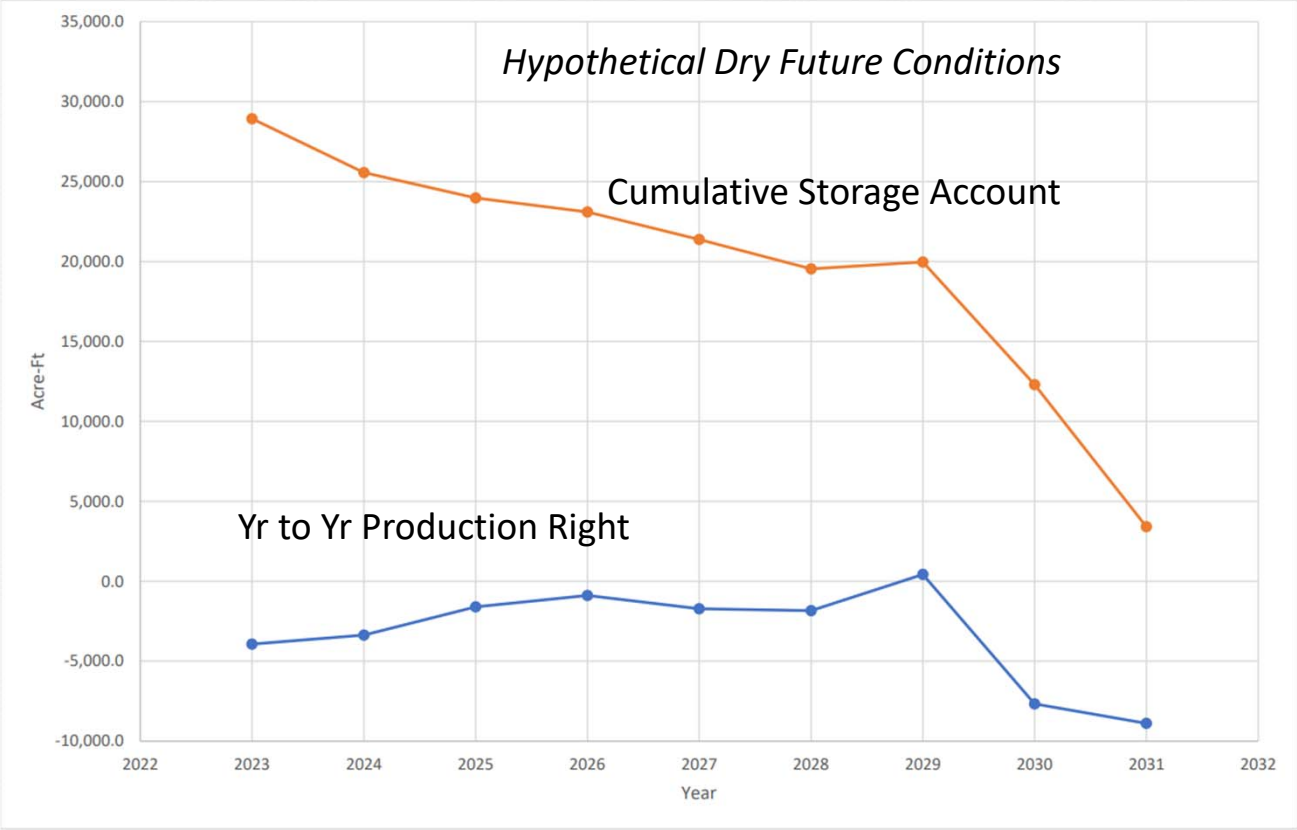
Potential Basis for Establishing Extreme Hydrology Scenario: Example BCVWD (Hypothetical for Discussion Only)



Average Supplemental Water Recharge of 5,700 Acre-ft/yr

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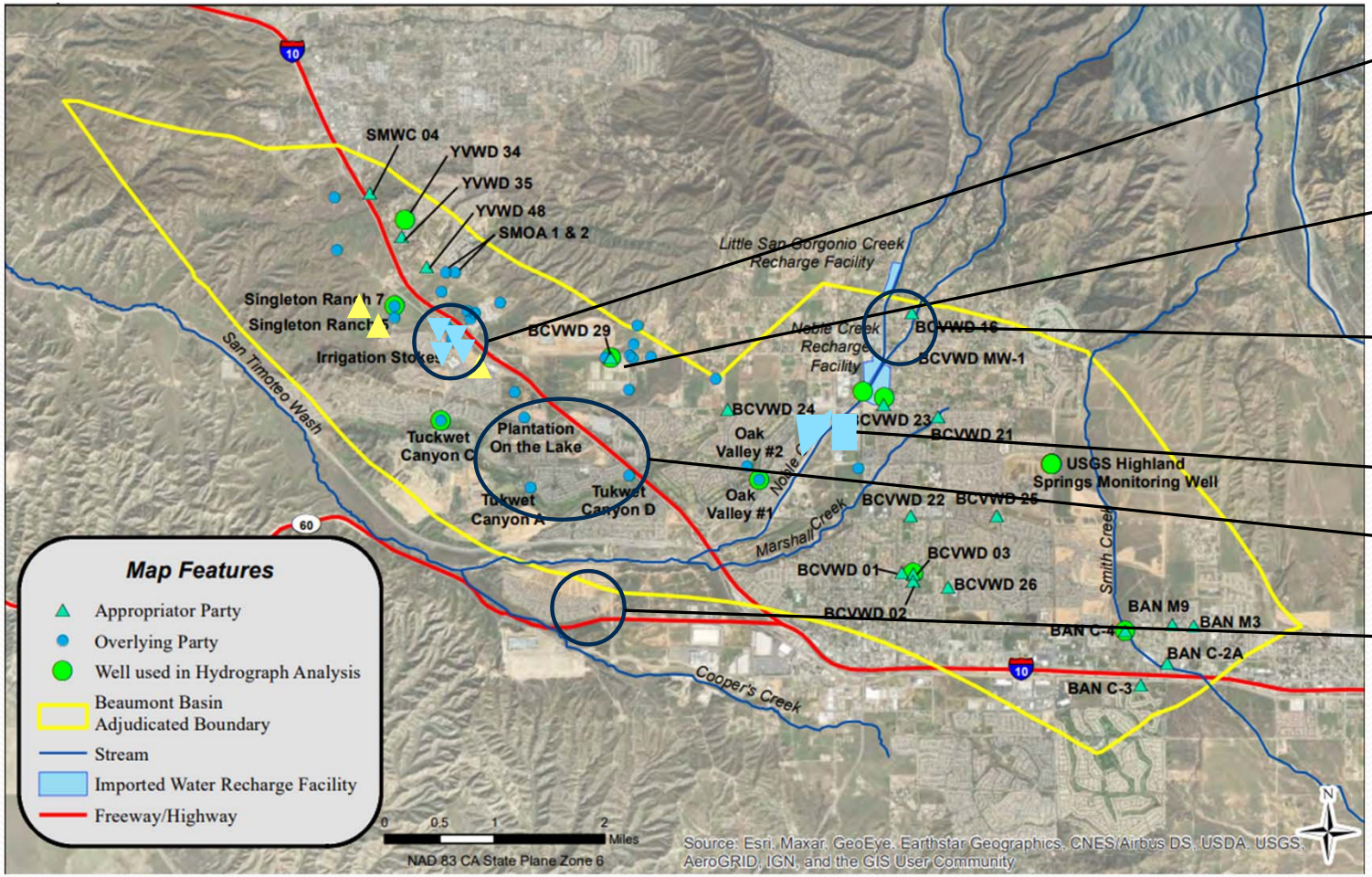
Other Considerations for Extreme Hydrology Scenario



No Future Recharge Via YVWD Injection Wells (Obligations Met Through Storage Account)

Increased Pumping From BCVWD Well 29

Prolonged Below Normal Precipitation/Streamflow Recharge

No Additional SGPWA Recharge

Continued Overlyer Production

No Recycled Water Recharge

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ITEM V-D

BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 24-01

Date: January 10, 2024

From: Steven Stuart, Dudek

Subject: Storage Account Management

Recommendation: For Information and Discussion

At the January 10 special meeting, we will review the accounting of temporary surplus (i.e., controlled overdraft) vs. annual production for each Appropriator, and review the annual accounting of the Appropriator's Production Rights and Storage Accounts.

The goal of the controlled overdraft was to create additional storage capacity in the Beaumont Basin for conjunctive use projects and increase stored water. Allocated temporary surplus not used by an appropriator over the 10-year period of controlled overdraft could be banked for future use.

Annual accounting of each Appropriator's Production Right and Storage Account was reorganized following comments from the December 2023 BBWM meeting to accurately reflect the accounting parameters defined in the Stipulated Judgement and the water withdrawn from the storage accounts. Bar charts were created to graphically display the annual accounting of the storage accounts for the Appropriators.

The discussion with the Watermaster is to determine whether to include the methodology of temporary surplus and storage accounting to be incorporated into the Watermaster Rules and Regulations.

DUDEK

Storage Account Management

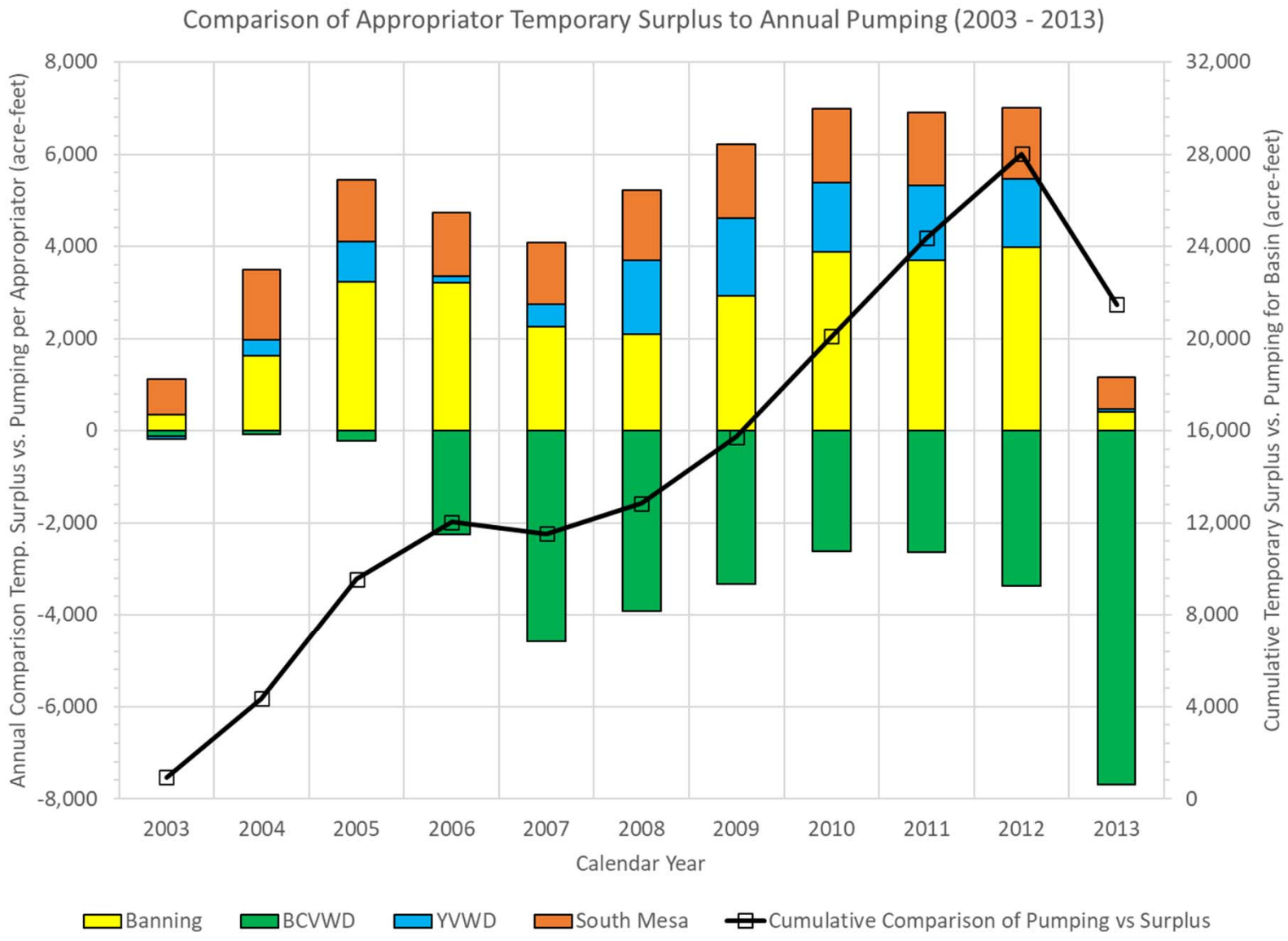
Beaumont Basin Watermaster Special Meeting

PRESENTATION BY STEVEN STUART, PE

JANUARY 10, 2024

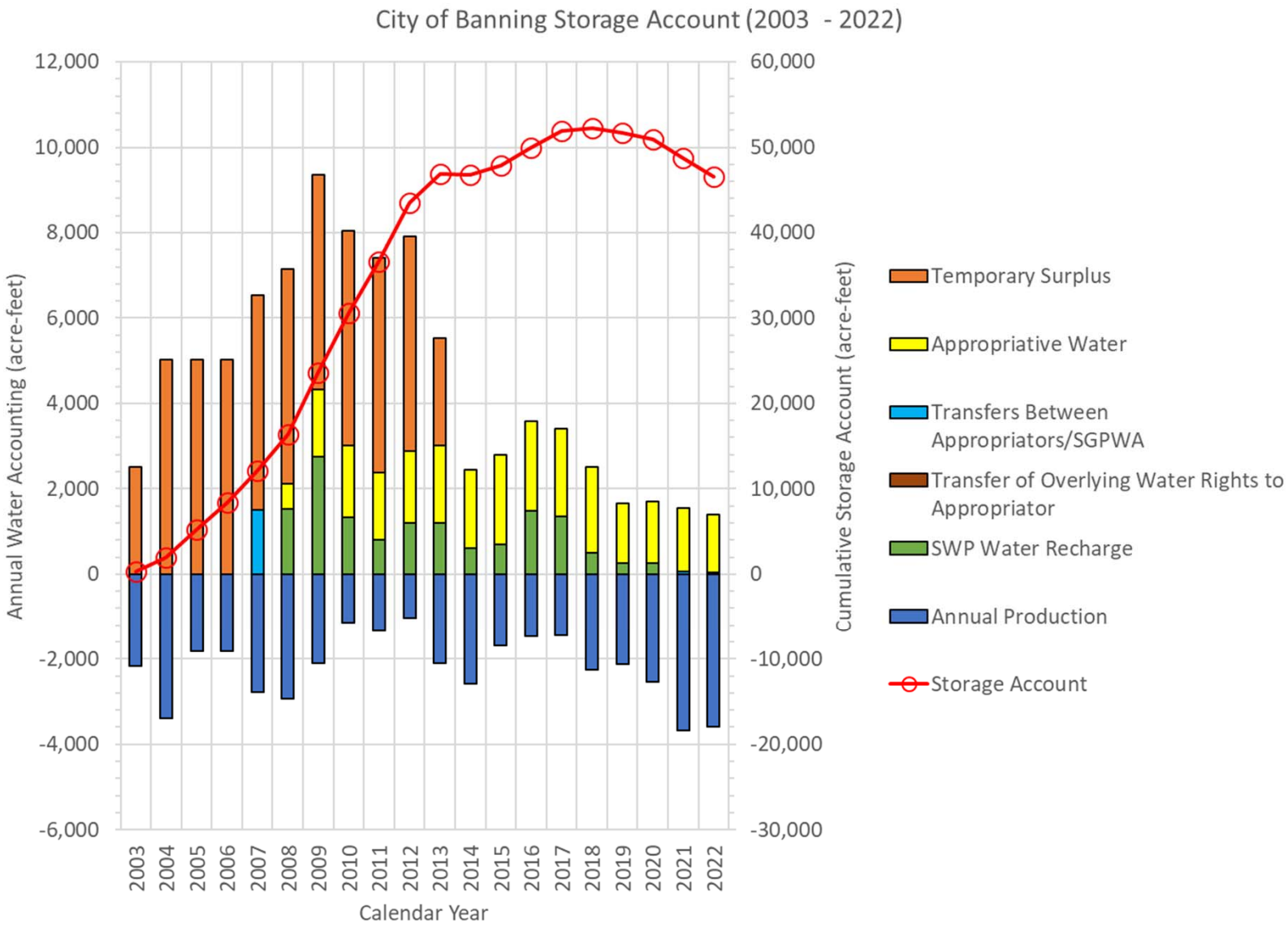
Temporary Surplus vs. Annual Pumping

Appropriator		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total	Temporary Surplus - Annual Production
City of Banning	Annual Production (AF)	2,174.2	3,397.3	1,808.6	1,827.5	2,772.6	2,933.6	2,095.0	1,143.6	1,341.7	1,038.3	2,100.7	22,633.1	27,656.9
	Allocated Annual Temporary Surplus (AF)	2,514.5	5,029.0	5,029.0	5,029.0	5,029.0	5,029.0	5,029.0	5,029.0	5,029.0	5,029.0	2,514.5	50,290.0	
BCVWD	Annual Production (AF)	3,511.9	6,873.9	7,025.6	9,054.1	11,383.3	10,710.5	10,133.9	9,421.3	9,431.3	10,162.0	11,097.4	98,805.2	-30,785.2
	Allocated Annual Temporary Surplus (AF)	3,401.0	6,802.0	6,802.0	6,802.0	6,802.0	6,802.0	6,802.0	6,802.0	6,802.0	6,802.0	3,401.0	68,020.0	
South Mesa	Annual Production (AF)	223.2	482.5	663.2	616.0	665.8	470.9	382.2	405.0	419.9	448.5	308.4	5,085.6	14,874.4
	Allocated Annual Temporary Surplus (AF)	998.0	1,996.0	1,996.0	1,996.0	1,996.0	1,996.0	1,996.0	1,996.0	1,996.0	1,996.0	998.0	19,960.0	
YVWD	Annual Production (AF)	1,162.4	1,833.7	1,281.3	2,027.3	1,682.9	572.0	504.4	672.4	534.1	700.1	1,030.8	12,001.4	9,728.6
	Allocated Annual Temporary Surplus (AF)	1,086.5	2,173.0	2,173.0	2,173.0	2,173.0	2,173.0	2,173.0	2,173.0	2,173.0	2,173.0	1,086.5	21,730.0	
All Appropriators	Annual Production (AF)	7,071.7	12,587.4	10,778.7	13,524.9	16,504.6	14,687.0	13,115.5	11,642.3	11,727.0	12,348.9	14,537.3	138,525.3	21,474.7
	Allocated Annual Temporary Surplus (AF)	8,000.0	16,000.0	16,000.0	16,000.0	16,000.0	16,000.0	16,000.0	16,000.0	16,000.0	16,000.0	8,000.0	160,000.0	


Comparison of Appropriator Temporary Surplus to Annual Pumping (2003 - 2013)
Annual Comparison Temp. Surplus vs. Pumping per Appropriator (acre-feet)
Cumulative Temporary Surplus vs. Pumping for Basin (acre-feet)
8,000
6,000
4,000
2,000
0
-2,000
-4,000
-6,000
-8,000
32,000
28,000
24,000
20,000
16,000
12,000
8,000
4,000
0
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
Calendar Year
Banning
BCVWD
YVWD
South Mesa
Cumulative Comparison of Pumping vs Surplus

City of Banning

Calendar Year	Appropriator's Annual Production (AF)	Parameters in Calculating Appropriator's Production Right (AF)							Appropriator's Production Right	Appropriator's Production Right - Production (AF)	Supplemental Water (AF)				Storage Acct. at End of CY (AF)
		Operating Yield		Water Acquired		New Yield		Water Withdrawn from Storage Account							
		Temporary Surplus Water	Appropriative Water	Transfer of Overlying Water Rights to Appropriator	Transfers Between Appropriators/SGPWA	Captured Available Stream Flow	Increased Capture of Rising Water				SWP Water Recharge	Recycled Water Recharge	Local Imported Water Recharge	Stormwater Recharge	
2003	2,174.2	2,514.5	0.0	0.0	0.0	0.0	0.0	0.0	2,514.5	340.3	0.0	0.0	0.0	0.0	340.3
2004	3,397.3	5,029.0	0.0	0.0	0.0	0.0	0.0	0.0	5,029.0	1,631.7	0.0	0.0	0.0	0.0	1,972.0
2005	1,808.6	5,029.0	0.0	0.0	0.0	0.0	0.0	0.0	5,029.0	3,220.4	0.0	0.0	0.0	0.0	5,192.4
2006	1,827.5	5,029.0	0.0	0.0	0.0	0.0	0.0	0.0	5,029.0	3,201.5	0.0	0.0	0.0	0.0	8,393.9
2007	2,772.6	5,029.0	0.0	0.0	1,500.0	0.0	0.0	0.0	6,529.0	3,756.4	0.0	0.0	0.0	0.0	12,150.3
2008	2,933.6	5,029.0	592.2	0.0	0.0	0.0	0.0	0.0	5,621.2	2,687.6	1,534.0	0.0	0.0	0.0	16,371.9
2009	2,095.0	5,029.0	1,594.6	0.0	0.0	0.0	0.0	0.0	6,623.6	4,528.6	2,741.2	0.0	0.0	0.0	23,641.7
2010	1,143.6	5,029.0	1,683.8	0.0	0.0	0.0	0.0	0.0	6,712.8	5,569.2	1,338.0	0.0	0.0	0.0	30,548.9
2011	1,341.7	5,029.0	1,588.2	0.0	0.0	0.0	0.0	0.0	6,617.2	5,275.5	800.0	0.0	0.0	0.0	36,624.4
2012	1,038.3	5,029.0	1,679.4	0.0	0.0	0.0	0.0	0.0	6,708.4	5,670.1	1,200.0	0.0	0.0	0.0	43,494.6
2013	2,100.7	2,514.5	1,816.1	0.0	0.0	0.0	0.0	0.0	4,330.6	2,229.9	1,200.0	0.0	0.0	0.0	46,924.4
2014	2,585.1	0.0	1,826.6	0.0	0.0	0.0	0.0	758.5	2,585.1	0.0	608.0	0.0	0.0	0.0	46,774.0
2015	1,678.3	0.0	2,097.5	0.0	0.0	0.0	0.0	0.0	2,097.5	419.2	694.0	0.0	0.0	0.0	47,887.2
2016	1,472.7	0.0	2,099.0	0.0	0.0	0.0	0.0	0.0	2,099.0	626.3	1,477.0	0.0	0.0	0.0	49,990.5
2017	1,443.5	0.0	2,063.2	0.0	0.0	0.0	0.0	0.0	2,063.2	619.7	1,350.0	0.0	0.0	0.0	51,960.2
2018	2,260.8	0.0	2,000.6	0.0	0.0	0.0	0.0	260.2	2,260.8	0.0	500.0	0.0	0.0	0.0	52,200.0
2019	2,121.3	0.0	1,408.5	0.0	0.0	0.0	0.0	712.8	2,121.3	0.0	250.0	0.0	0.0	0.0	51,737.1
2020	2,548.6	0.0	1,450.2	0.0	0.0	0.0	0.0	1,098.4	2,548.6	0.0	250.0	0.0	0.0	0.0	50,888.8
2021	3,668.1	0.0	1,497.1	0.0	60.0	0.0	0.0	2,111.0	3,668.1	0.0	0.0	0.0	0.0	0.0	48,777.8
2022	3,593.7	0.0	1,350.2	0.0	0.0	0.0	0.0	2,243.5	3,593.7	0.0	35.0	0.0	0.0	0.0	46,569.3


City of Banning Storage Account (2003 - 2022)
Annual Water Accounting (acre-feet)
Cumulative Storage Account (acre-feet)
Calendar Year
12,000
10,000
8,000
6,000
4,000
2,000
0
-2,000
-4,000
-6,000
60,000
50,000
40,000
30,000
20,000
10,000
0
-10,000
-20,000
-30,000
2003
2004
2005
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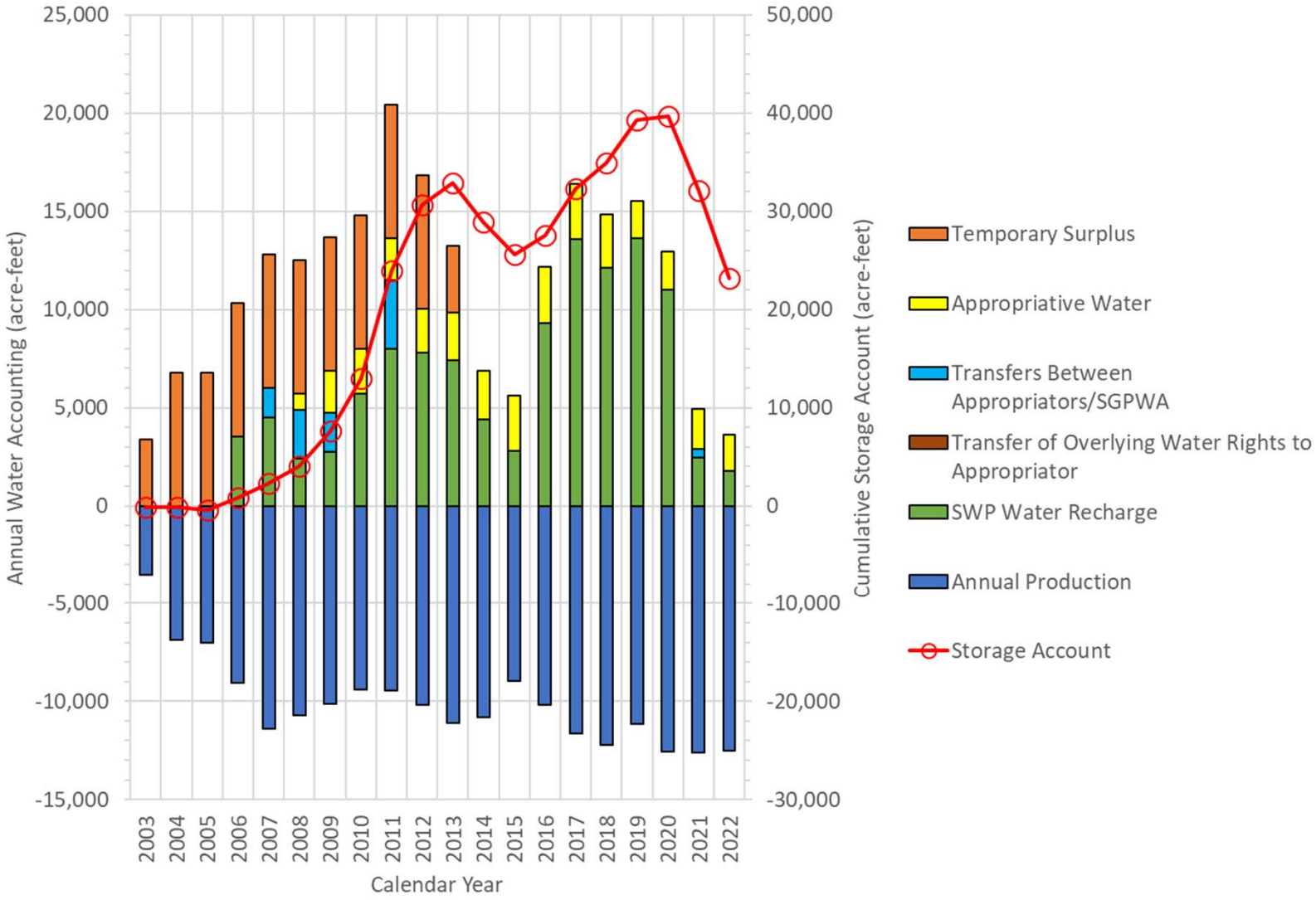
Temporary Surplus
Appropriative Water
Transfers Between Appropriators/SGPWA
Transfer of Overlying Water Rights to Appropriator
SWP Water Recharge
Annual Production
Storage Account

Beaumont-Cherry Valley Water District

Calendar Year	Appropriator's Annual Production (AF)	Parameters in Calculating Appropriator's Production Right (AF)							Appropriator's Production Right (AF)	Appropriator's Production Right - Production (AF)	Supplemental Water (AF)				Storage Acct. at End of CY (AF)
		Operating Yield		Water Acquired		New Yield		Water Withdrawn from Storage Account							
		Temporary Surplus Water	Appropriative Water	Transfer of Overlying Water Rights to Appropriator	Transfers Between Appropriators/SGPWA	Captured Available Stream Flow	Increased Capture of Rising Water				SWP Water Recharge	Recycled Water Recharge	Local Imported Water Recharge	Stormwater Recharge	
2003	3,511.9	3,401.0	0.0	0.0	0.0	0.0	0.0	0.0	3,401.0	-110.9	0.0	0.0	0.0	0.0	-110.9
2004	6,873.9	6,802.0	0.0	0.0	0.0	0.0	0.0	71.9	6,873.9	0.0	0.0	0.0	0.0	0.0	-182.8
2005	7,025.6	6,802.0	0.0	0.0	0.0	0.0	0.0	223.6	7,025.6	0.0	0.0	0.0	0.0	0.0	-406.4
2006	9,054.1	6,802.0	0.0	0.0	0.0	0.0	0.0	2,252.1	9,054.1	0.0	3,501.0	0.0	0.0	0.0	842.5
2007	11,383.3	6,802.0	0.0	0.0	1,500.0	0.0	0.0	3,081.3	11,383.3	0.0	4,501.0	0.0	0.0	0.0	2,262.2
2008	10,710.5	6,802.0	801.0	0.0	2,500.0	0.0	0.0	607.5	10,710.5	0.0	2,399.0	0.0	0.0	0.0	4,053.7
2009	10,133.9	6,802.0	2,156.8	0.0	2,000.0	0.0	0.0	0.0	10,958.8	824.9	2,741.2	0.0	0.0	0.0	7,619.8
2010	9,421.3	6,802.0	2,277.3	0.0	0.0	0.0	0.0	342.0	9,421.3	0.0	5,727.0	0.0	0.0	0.0	13,004.8
2011	9,431.3	6,802.0	2,148.1	0.0	3,500.0	0.0	0.0	0.0	12,450.1	3,018.8	7,979.0	0.0	0.0	0.0	24,002.6
2012	10,162.0	6,802.0	2,271.5	0.0	0.0	0.0	0.0	1,088.5	10,162.0	0.0	7,783.0	0.0	0.0	0.0	30,697.1
2013	11,097.4	3,401.0	2,456.3	0.0	0.0	0.0	0.0	5,240.1	11,097.4	0.0	7,403.0	0.0	0.0	0.0	32,860.0
2014	10,805.5	0.0	2,470.6	0.0	0.0	0.0	0.0	8,334.9	10,805.5	0.0	4,405.0	0.0	0.0	0.0	28,930.1
2015	8,972.8	0.0	2,836.9	0.0	0.0	0.0	0.0	6,135.9	8,972.8	0.0	2,773.0	0.0	0.0	0.0	25,567.2
2016	10,159.8	0.0	2,839.0	0.0	0.0	0.0	0.0	7,320.8	10,159.8	0.0	9,319.0	0.0	0.0	0.0	27,565.4
2017	11,650.7	0.0	2,790.6	0.0	0.0	0.0	0.0	8,860.1	11,650.7	0.0	13,590.0	0.0	0.0	0.0	32,295.3
2018	12,209.2	0.0	2,705.8	0.0	0.0	0.0	0.0	9,503.4	12,209.2	0.0	12,121.0	0.0	0.0	0.0	34,912.9
2019	11,140.9	0.0	1,905.0	0.0	0.0	0.0	0.0	9,235.9	11,140.9	0.0	13,645.0	0.0	0.0	0.0	39,322.0
2020	12,539.2	0.0	1,961.5	0.0	0.0	0.0	0.0	10,577.7	12,539.2	0.0	11,005.0	0.0	0.0	0.0	39,749.3
2021	12,609.5	0.0	2,024.8	0.0	447.8	0.0	0.0	10,136.9	12,609.5	0.0	2,468.0	0.0	0.0	0.0	32,080.4
2022	12,490.4	0.0	1,826.2	0.0	0.0	0.0	0.0	10,664.2	12,490.4	0.0	1,776.0	0.0	0.0	0.0	23,192.2


Beaumont-Cherry Valley Water District Storage Account (2003 - 2022)
Annual Water Accounting (acre-feet)
Cumulative Storage Account (acre-feet)
Calendar Year
25,000
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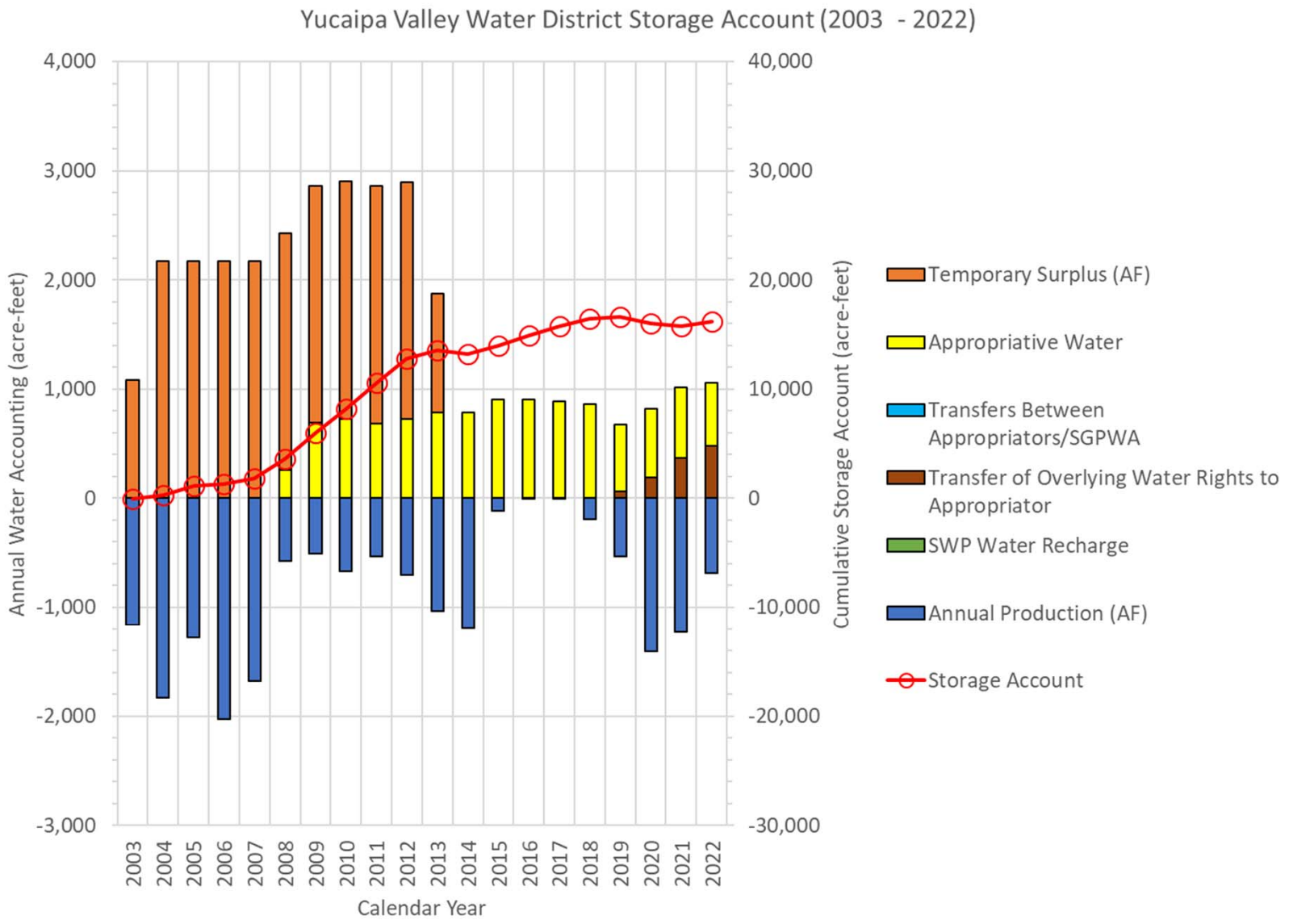
Temporary Surplus
Appropriative Water
Transfers Between Appropriators/SGPWA
Transfer of Overlying Water Rights to Appropriator
SWP Water Recharge
Annual Production
Storage Account

Yucaipa Valley Water District

Calendar Year	Appropriator's Annual Production (AF)	Parameters in Calculating Appropriator's Production Right (AF)							Appropriator's Production Right (AF)	Appropriator's Production Right - Production (AF)	Supplemental Water (AF)				Storage Acct. at End of CY (AF)
		Operating Yield		Water Acquired		New Yield		Water Withdrawn from Storage Account							
		Temporary Surplus Water	Appropriative Water	Transfer of Overlying Water Rights to Appropriator	Transfers Between Appropriators/SGPWA	Captured Available Stream Flow	Increased Capture of Rising Water				SWP Water Recharge	Recycled Water Recharge	Local Imported Water Recharge	Stormwater Recharge	
2003	1,162.4	1,086.5	0.0	0.0	0.0	0.0	0.0	0.0	1,086.5	-75.9	0.0	0.0	0.0	0.0	-75.9
2004	1,833.7	2,173.0	0.0	0.0	0.0	0.0	0.0	0.0	2,173.0	339.3	0.0	0.0	0.0	0.0	263.4
2005	1,281.3	2,173.0	0.0	0.0	0.0	0.0	0.0	0.0	2,173.0	891.7	0.0	0.0	0.0	0.0	1,155.1
2006	2,027.3	2,173.0	0.0	0.0	0.0	0.0	0.0	0.0	2,173.0	145.7	0.0	0.0	0.0	0.0	1,300.8
2007	1,682.9	2,173.0	0.0	0.0	0.0	0.0	0.0	0.0	2,173.0	490.1	0.0	0.0	0.0	0.0	1,790.9
2008	572.0	2,173.0	255.9	0.0	0.0	0.0	0.0	0.0	2,428.9	1,856.9	0.0	0.0	0.0	0.0	3,647.8
2009	504.4	2,173.0	689.0	0.0	0.0	0.0	0.0	0.0	2,862.0	2,357.6	0.0	0.0	0.0	0.0	6,005.4
2010	672.4	2,173.0	727.5	0.0	0.0	0.0	0.0	0.0	2,900.5	2,228.1	0.0	0.0	0.0	0.0	8,233.5
2011	534.1	2,173.0	686.2	0.0	0.0	0.0	0.0	0.0	2,859.2	2,325.1	0.0	0.0	0.0	0.0	10,558.6
2012	700.1	2,173.0	725.6	0.0	0.0	0.0	0.0	0.0	2,898.6	2,198.5	0.0	0.0	0.0	0.0	12,757.1
2013	1,030.8	1,086.5	784.7	0.0	0.0	0.0	0.0	0.0	1,871.2	840.4	0.0	0.0	0.0	0.0	13,597.5
2014	1,198.5	0.0	789.2	0.0	0.0	0.0	0.0	409.3	1,198.5	0.0	0.0	0.0	0.0	0.0	13,188.2
2015	119.2	0.0	906.3	0.0	0.0	0.0	0.0	0.0	906.3	787.1	0.0	0.0	0.0	0.0	13,975.3
2016	4.6	0.0	906.9	0.0	0.0	0.0	0.0	0.0	906.9	902.3	0.0	0.0	0.0	0.0	14,877.6
2017	0.1	0.0	891.5	0.0	0.0	0.0	0.0	0.0	891.5	891.4	0.0	0.0	0.0	0.0	15,769.0
2018	191.2	0.0	864.4	0.11	0.0	0.0	0.0	0.0	864.5	673.3	0.0	0.0	0.0	0.0	16,442.3
2019	528.6	0.0	608.6	63.96	0.0	0.0	0.0	0.0	672.5	143.9	0.0	0.0	0.0	0.0	16,586.2
2020	1,407.7	0.0	626.6	194.82	0.0	0.0	0.0	586.3	1,407.7	0.0	0.0	0.0	0.0	0.0	15,999.9
2021	1,228.5	0.0	646.8	366.77	0.0	0.0	0.0	214.9	1,228.5	0.0	0.0	0.0	0.0	0.0	15,785.1
2022	686.5	0.0	583.4	478.25	0.0	0.0	0.0	0.0	1,061.6	375.1	0.0	0.0	0.0	0.0	16,160.2


Yucaipa Valley Water District Storage Account (2003 - 2022)
Annual Water Accounting (acre-feet)
Cumulative Storage Account (acre-feet)
Calendar Year
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3,000
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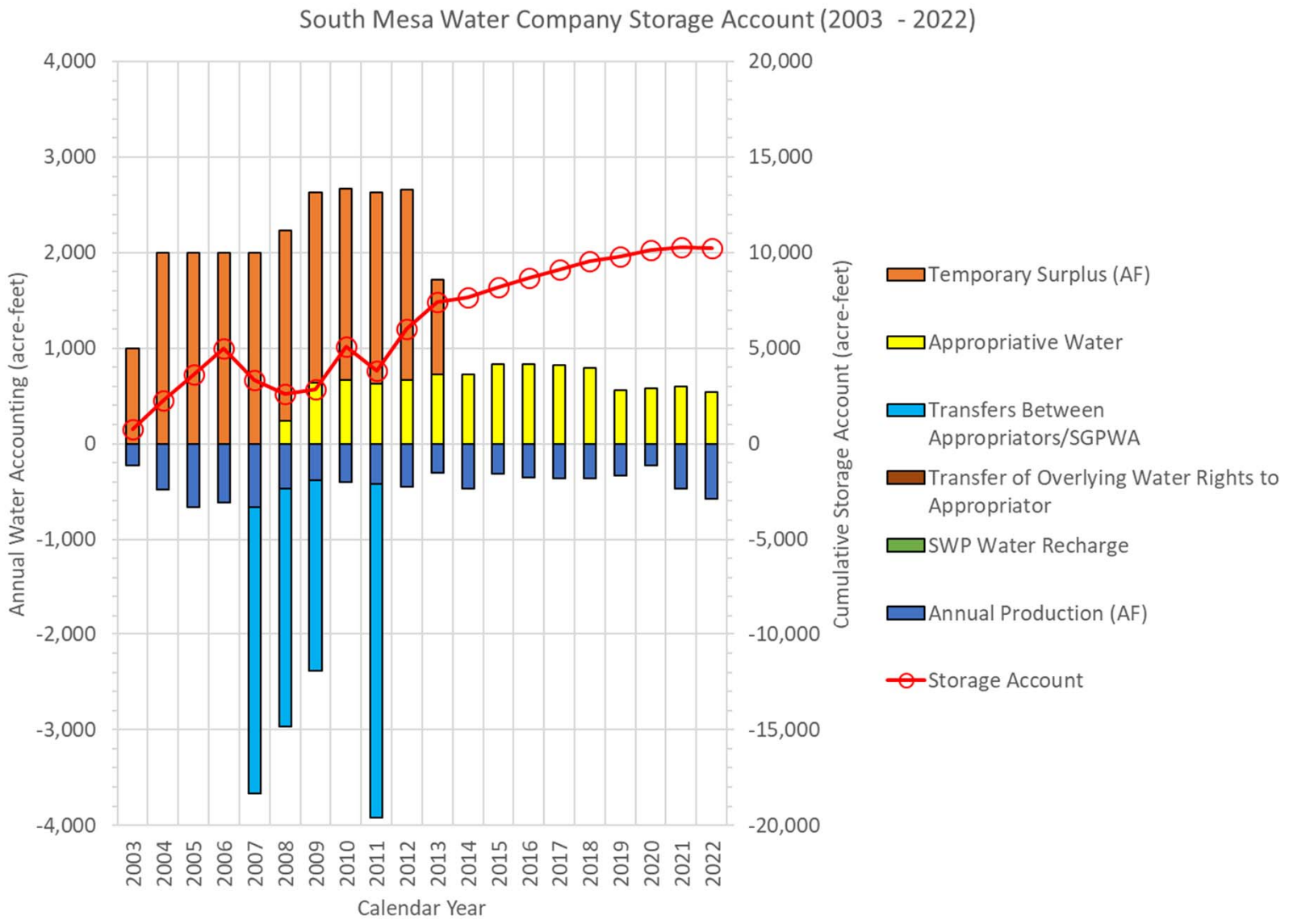
Temporary Surplus (AF)
Appropriative Water
Transfers Between Appropriators/SGPWA
Transfer of Overlying Water Rights to Appropriator
SWP Water Recharge
Annual Production (AF)
Storage Account

South Mesa Water Company

Calendar Year	Appropriator's Annual Production (AF)	Parameters in Calculating Appropriator's Production Right (AF)							Appropriator's Production Right (AF)	Appropriator's Production Right - Production (AF)	Supplemental Water (AF)				Storage Acct. at End of CY (AF)
		Operating Yield		Water Acquired		New Yield		Water Withdrawn from Storage Account							
		Temporary Surplus Water	Appropriative Water	Transfer of Overlying Water Rights to Appropriator	Transfers Between Appropriators/SGPWA	Captured Available Stream Flow	Increased Capture of Rising Water				SWP Water Recharge	Recycled Water Recharge	Local Imported Water Recharge	Stormwater Recharge	
2003	223.2	998.0	0.0	0.0	0.0	0.0	0.0	0.0	998.0	774.8	0.0	0.0	0.0	0.0	774.8
2004	482.5	1,996.0	0.0	0.0	0.0	0.0	0.0	0.0	1,996.0	1,513.5	0.0	0.0	0.0	0.0	2,288.3
2005	663.2	1,996.0	0.0	0.0	0.0	0.0	0.0	0.0	1,996.0	1,332.8	0.0	0.0	0.0	0.0	3,621.1
2006	616.0	1,996.0	0.0	0.0	0.0	0.0	0.0	0.0	1,996.0	1,380.0	0.0	0.0	0.0	0.0	5,001.1
2007	665.8	1,996.0	0.0	0.0	-3,000.0	0.0	0.0	1,669.8	665.8	0.0	0.0	0.0	0.0	0.0	3,331.3
2008	470.9	1,996.0	235.1	0.0	-2,500.0	0.0	0.0	739.8	470.9	0.0	0.0	0.0	0.0	0.0	2,591.5
2009	382.2	1,996.0	633.2	0.0	-2,000.0	0.0	0.0	0.0	629.2	247.0	0.0	0.0	0.0	0.0	2,838.5
2010	405.0	1,996.0	668.6	0.0	0.0	0.0	0.0	0.0	2,664.6	2,259.6	0.0	0.0	0.0	0.0	5,098.1
2011	419.9	1,996.0	630.6	0.0	-3,500.0	0.0	0.0	1,293.3	419.9	0.0	0.0	0.0	0.0	0.0	3,804.9
2012	448.5	1,996.0	666.9	0.0	0.0	0.0	0.0	0.0	2,662.9	2,214.4	0.0	0.0	0.0	0.0	6,019.2
2013	308.4	998.0	721.1	0.0	0.0	0.0	0.0	0.0	1,719.1	1,410.7	0.0	0.0	0.0	0.0	7,429.9
2014	473.7	0.0	725.3	0.0	0.0	0.0	0.0	0.0	725.3	251.6	0.0	0.0	0.0	0.0	7,681.5
2015	317.2	0.0	832.9	0.0	0.0	0.0	0.0	0.0	832.9	515.7	0.0	0.0	0.0	0.0	8,197.2
2016	352.6	0.0	833.5	0.0	0.0	0.0	0.0	0.0	833.5	480.9	0.0	0.0	0.0	0.0	8,678.1
2017	368.1	0.0	819.2	0.0	0.0	0.0	0.0	0.0	819.2	451.1	0.0	0.0	0.0	0.0	9,129.2
2018	364.9	0.0	794.4	0.0	0.0	0.0	0.0	0.0	794.4	429.5	0.0	0.0	0.0	0.0	9,558.7
2019	330.7	0.0	559.3	0.0	0.0	0.0	0.0	0.0	559.3	228.6	0.0	0.0	0.0	0.0	9,787.2
2020	229.2	0.0	575.9	0.0	0.0	0.0	0.0	0.0	575.9	346.7	0.0	0.0	0.0	0.0	10,133.9
2021	466.0	0.0	594.4	0.0	0.0	0.0	0.0	0.0	594.4	128.4	0.0	0.0	0.0	0.0	10,262.3
2022	574.7	0.0	536.1	0.0	0.0	0.0	0.0	38.6	574.7	0.0	0.0	0.0	0.0	0.0	10,223.8


South Mesa Water Company Storage Account (2003 - 2022)
Annual Water Accounting (acre-feet)
Cumulative Storage Account (acre-feet)
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