



# The meeting teleconference will begin shortly

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**PASSCODE: 3802020**

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Please use the chat feature in the Zoom toolbar to let the moderator know that you would like to make a comment during the meeting or use the digital “raise hand”  function in Zoom.



Please mute your microphone during the meeting to reduce background noise. Click on the microphone icon to unmute your microphone if needed.



# NOTICE REGARDING (COVID-19)

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Before we begin, the record will reflect that pursuant to the provisions of Executive Order N-29-20 issued by Governor Gavin Newsom on March 19, 2020, this meeting will be conducted by teleconference only.



# Call to Order

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Board of Directors Workshop - Engineering  
Thursday, September 14, 2021

*Chairperson – Director Harrison*  
*Vice-Chair – Director Hayes*

# Introductions

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*Following the introduction of Directors and District staff, participants may use this time to state their name and agency/affiliation in order to be included in the formal record of attendees.*

# Public Comment

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Any person may address the Board on matters within its jurisdiction.

- *Please use the chat feature on the Zoom toolbar or digitally raise your hand to let the moderator know you would like to make a comment.*



# Summary of Previous Meeting (Pg. 3)

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Board of Directors Workshop – Engineering – August 10, 2021

# Discussion Item 4.1 (Pg. 11)

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**Wen Huang, PE, MS** – Deputy General Manager/Chief Engineer

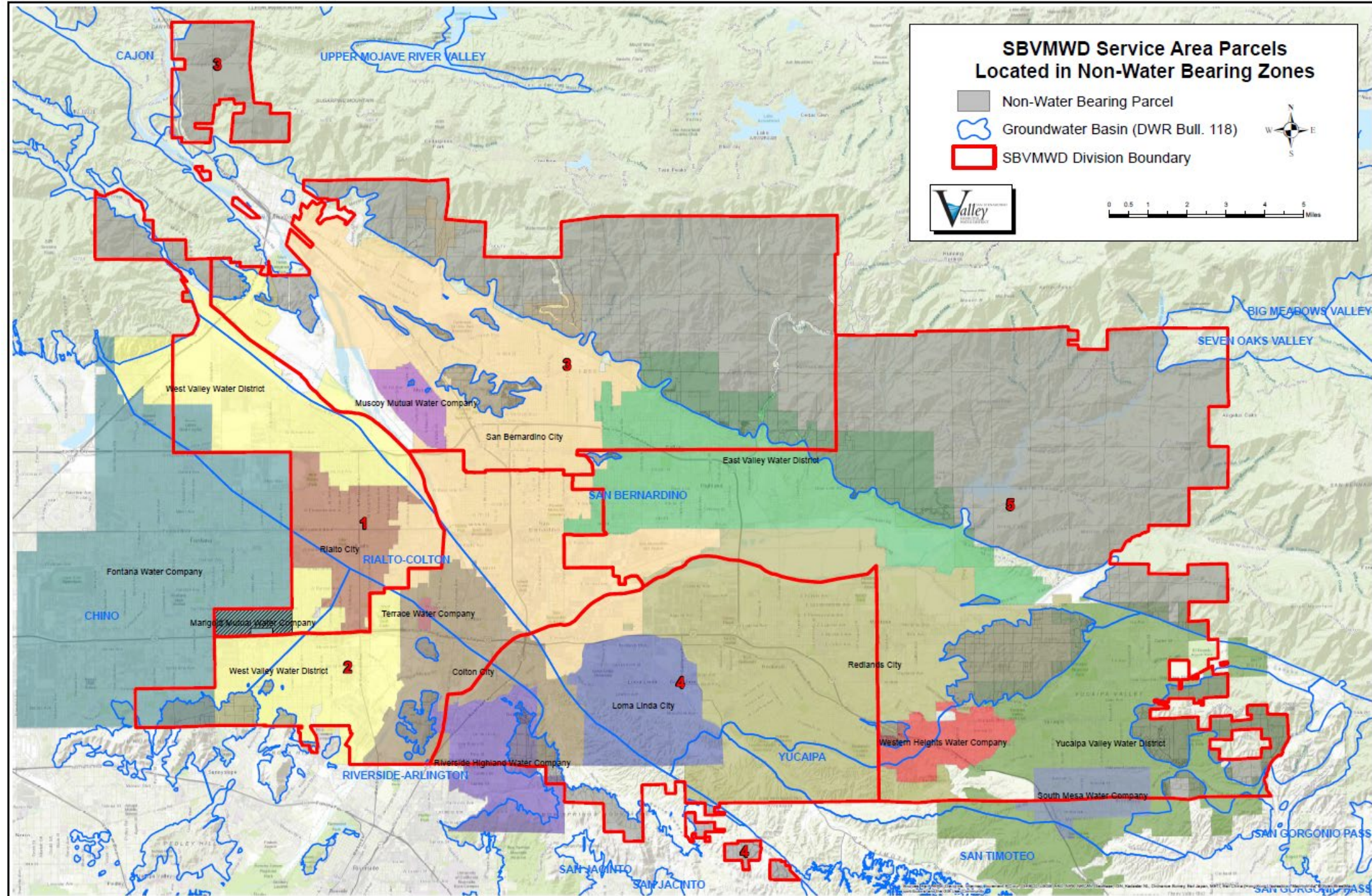
Presentation on Parcels located in Non-Water-Bearing Zones  
within District Service Area

## **Staff Recommendation**

Provide direction to Staff.

### SBVMWD Service Area Parcels Located in Non-Water Bearing Zones

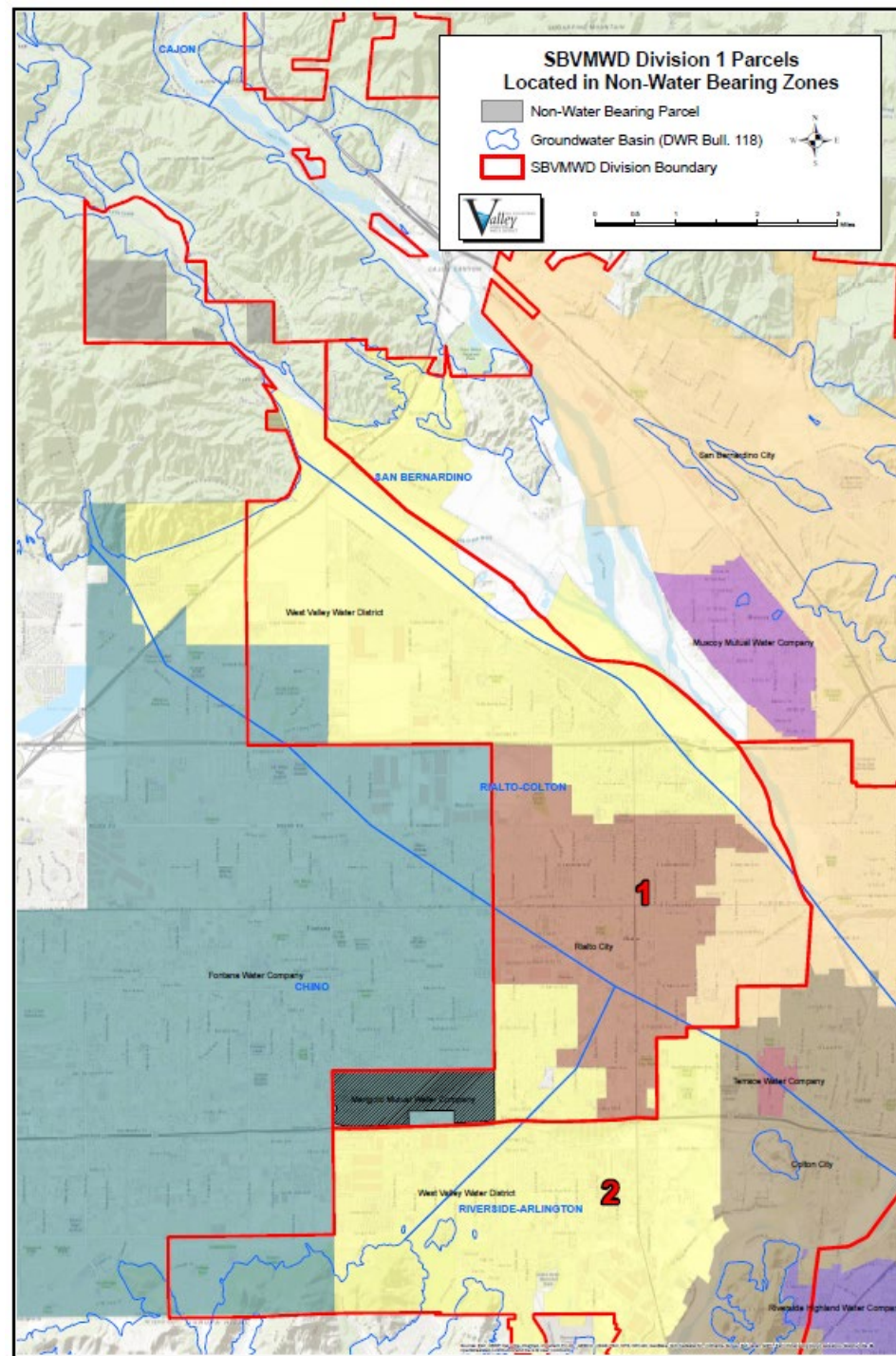
-  Non-Water Bearing Parcel
-  Groundwater Basin (DWR Bull. 118)
-  SBVMWD Division Boundary





## Number of Parcels located in Non-Water-Bearing Zones by Valley District division and retail agency boundaries

Division No.	Total No. of Parcels	No. of Parcels entirely within NWB zones	NWB Parcels within Water Agency service or sphere
1	32,185	8	WVWD – 5 N/A - 3
2	34,936	40	WVWD - 27 FWC – 5 Colton – 8
3	38,167	1,054	EVWD – 268 SBMWD – 597 Muscoy Mutual – 2 N/A – 187
4	39,042	193	Colton – 3 Riverside Highland – 99 N/A – 91
5	40,734	708	EVWD – 57 Redlands – 59 Western Heights – 67 YVWD – 414 N/A - 111
<b>Total</b>	<b>185,064</b>	<b>2,003</b>	

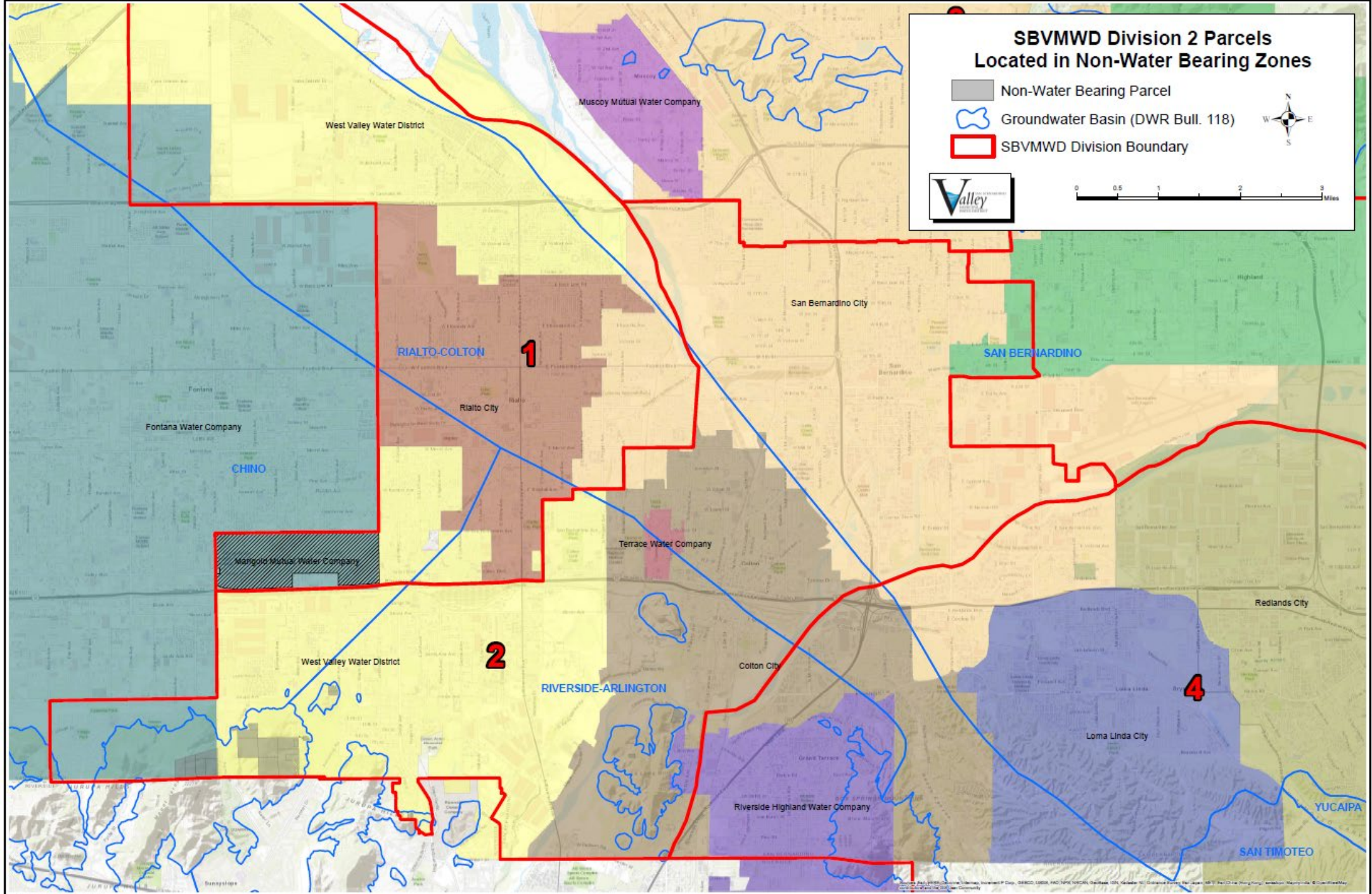


# SBVMWD Division 2 Parcels Located in Non-Water Bearing Zones

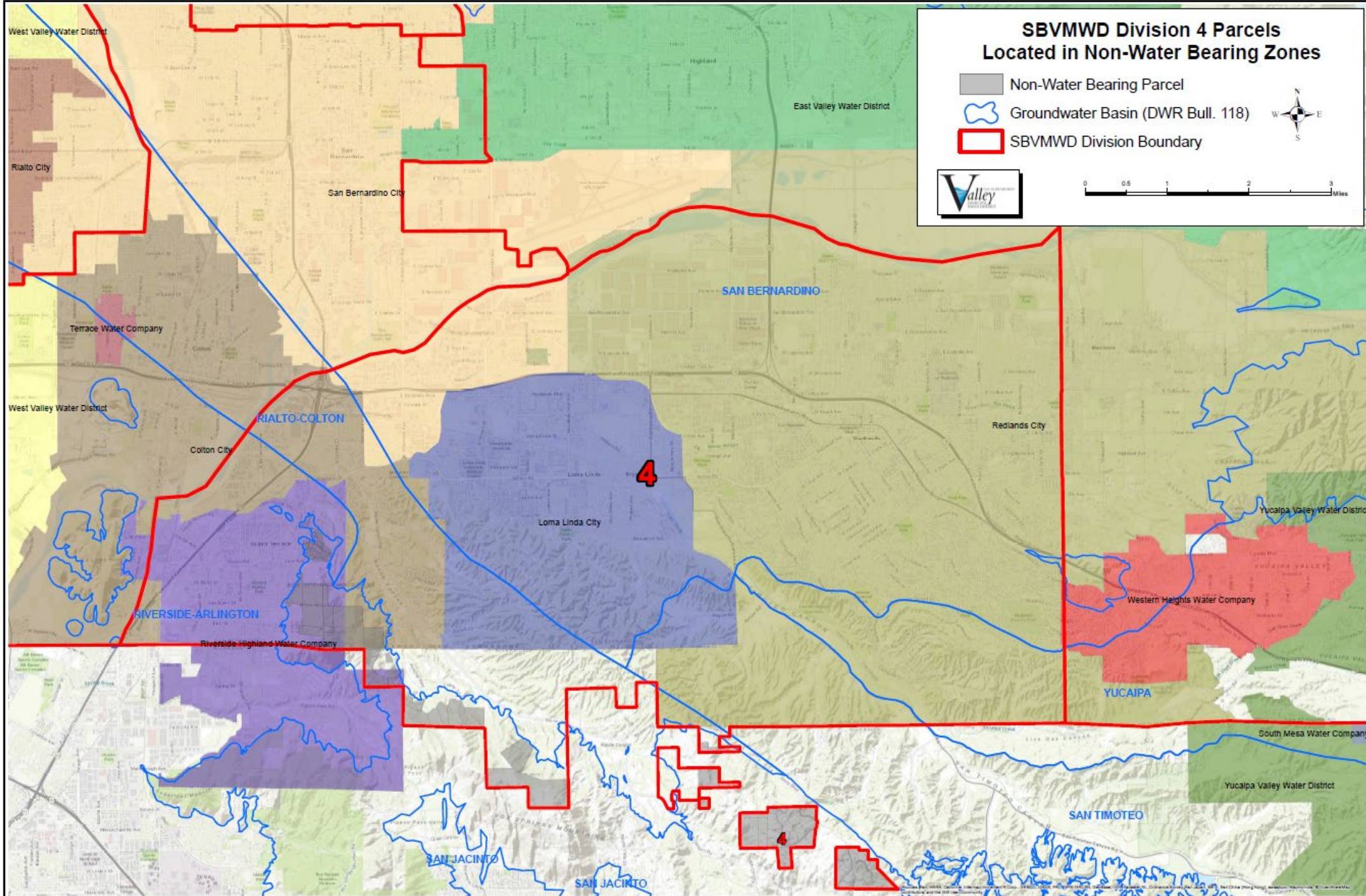
■ Non-Water Bearing Parcel

⬡ Groundwater Basin (DWR Bull. 118)

▭ SBVMWD Division Boundary







### SBVMWD Division 4 Parcels Located in Non-Water Bearing Zones




- Non-Water Bearing Parcel
- Groundwater Basin (DWR Bull. 118)
- SBVMWD Division Boundary

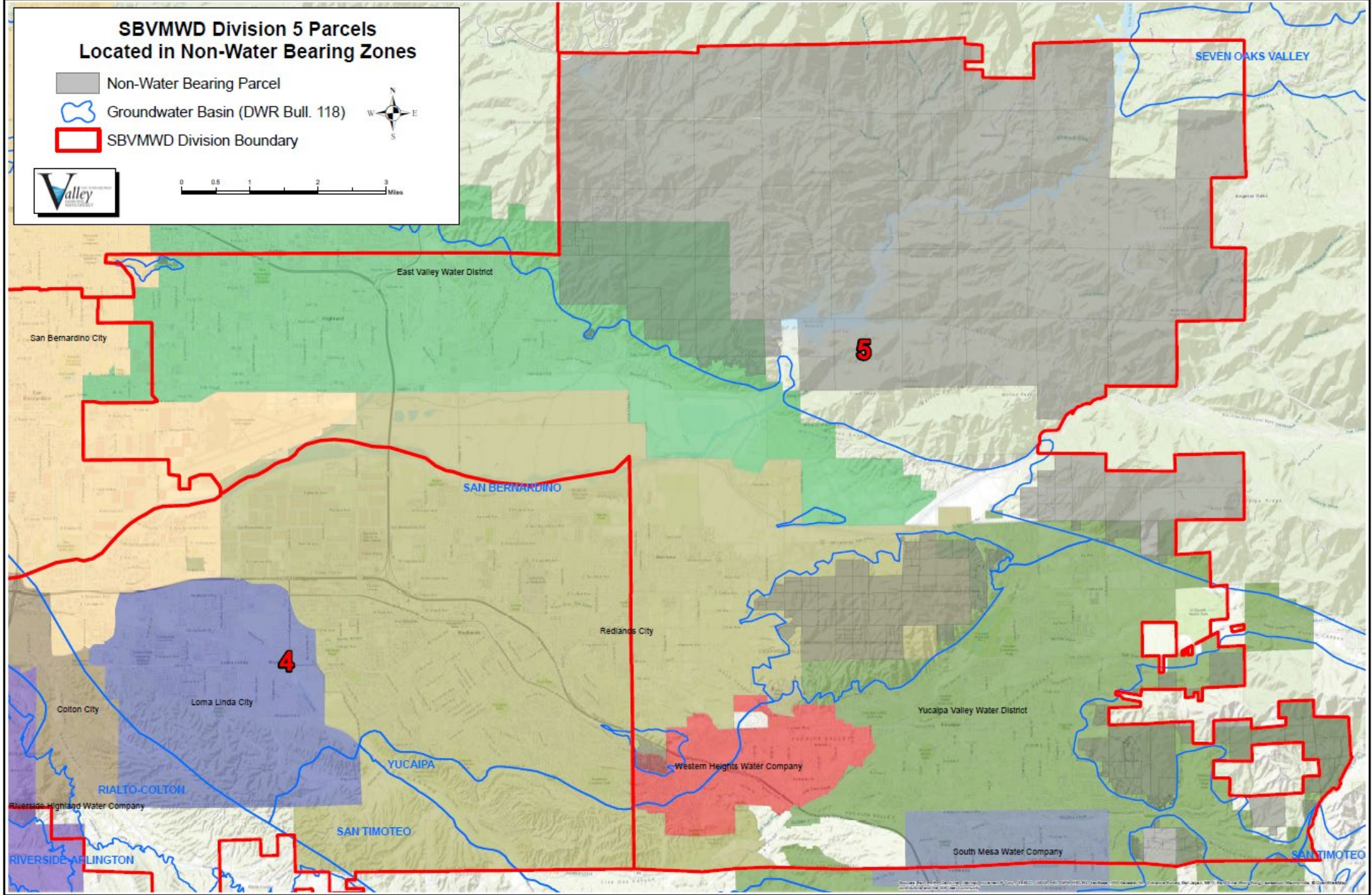


4

4

# SBVMWD Division 5 Parcels Located in Non-Water Bearing Zones

-  Non-Water Bearing Parcel
-  Groundwater Basin (DWR Bull. 118)
-  SBVMWD Division Boundary



# Director Comments and Discussion

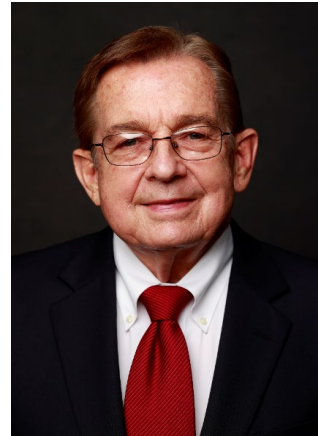
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**Paul Kielhold**  
President



**June Hayes**  
Vice President



**T. Milford  
Harrison**  
Treasurer



**Gil J. Botello**  
Director



**Susan Longville**  
Director

## Staff Recommendation

Provide direction to Staff.

# Discussion Item 4.2 (Pg. 19)

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**Wen Huang, PE, MS** – Deputy General Manager/Chief Engineer

Presentation - Parcels on Septic Systems within District Service Area

## **Staff Recommendation**

Review the available information and provide direction to Staff.





# Director Comments and Discussion

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**Paul Kielhold**  
President



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Vice President



**T. Milford  
Harrison**  
Treasurer



**Gil J. Botello**  
Director



**Susan Longville**  
Director

## Staff Recommendation

Review the available information and provide direction to Staff.

# Discussion Item 4.3 (Pg. 22)

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**Bob Tincher, PE, MS** – Deputy General Manager/Chief Water Resources Officer

Consider RAND Proposal to Evaluate the Ultimate Water Demand for the Valley District Service Area

## **Staff Recommendation**

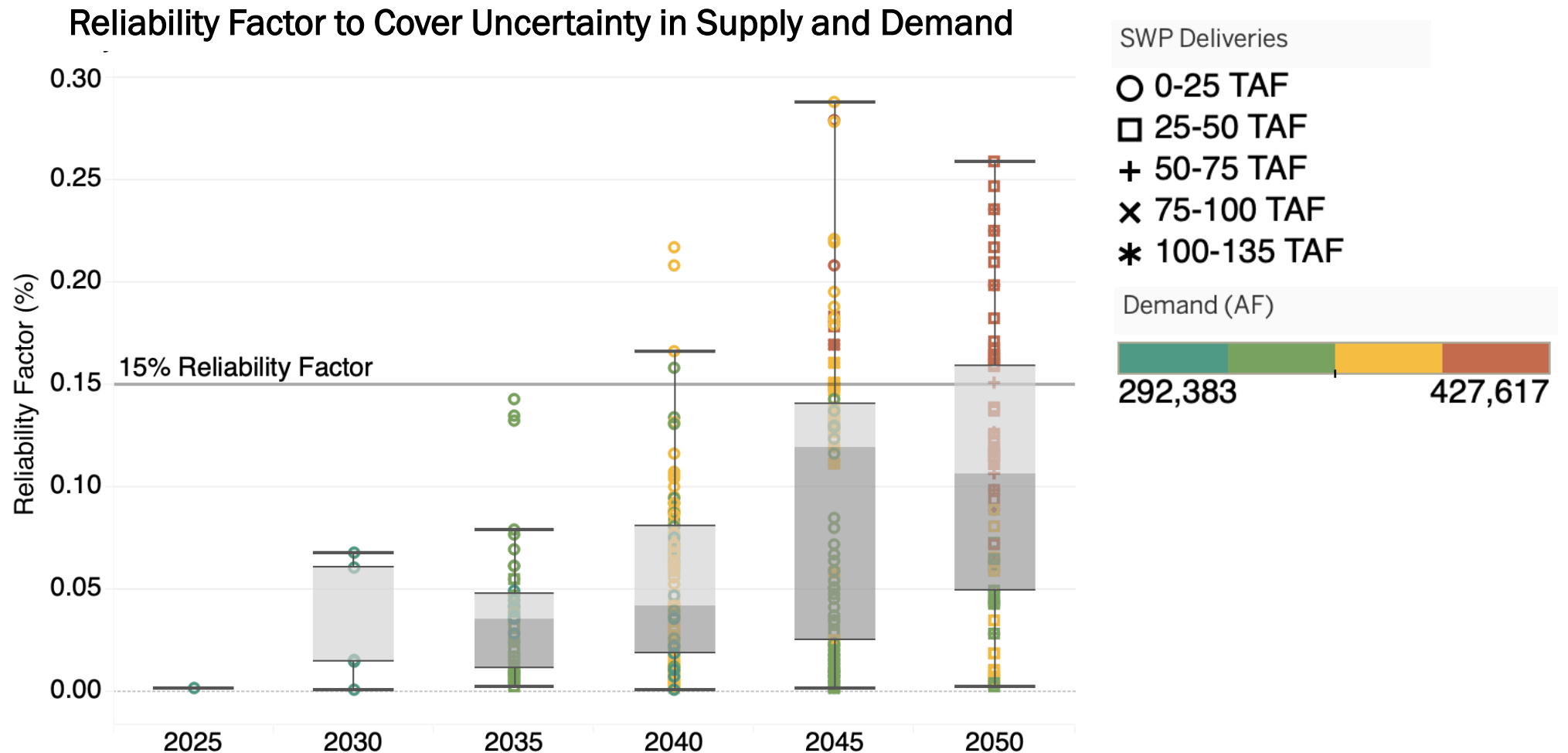
Direct staff to place this item on an upcoming Board of Directors meeting agenda for consideration.

# Identifying Vulnerabilities in San Bernardino Valley Municipal Water District's Demand and Water Supply Plans

Michelle E. Miro, David Groves,  
David Catt, James Syme,  
Stephanie Tanverakul



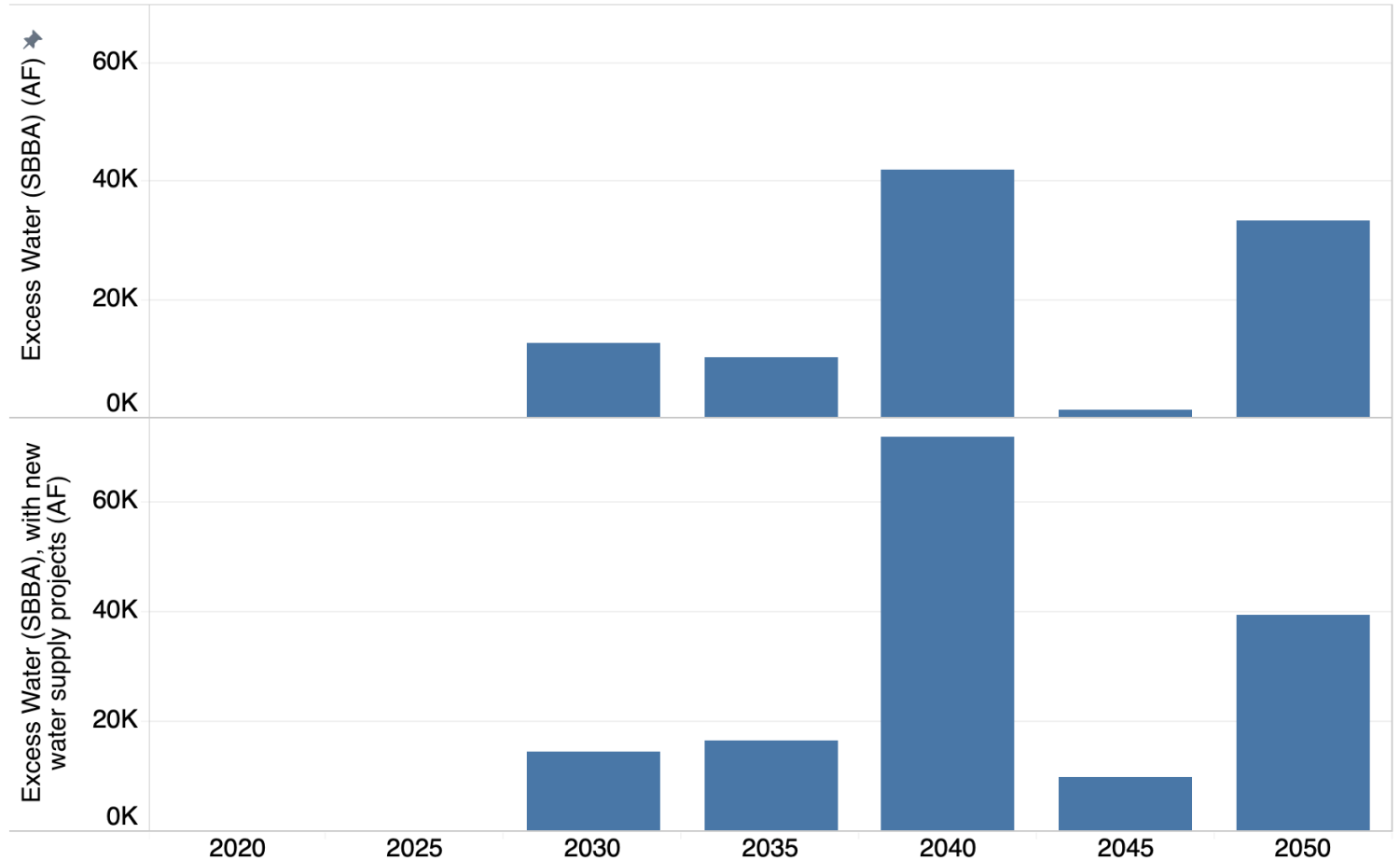
# An adaptable Reliability Factor of 15% relative to baseline demands would cover uncertainty in supply and demand



# Results also showed that new supply projects may lead to surplus water supply when groundwater basins are full

Average excess water above volume needed for groundwater replenishment (SBBA)

The Valley District could explore options that would provide more freeboard and lower the amount of excess water



New water supply projects lead to additional excess supply



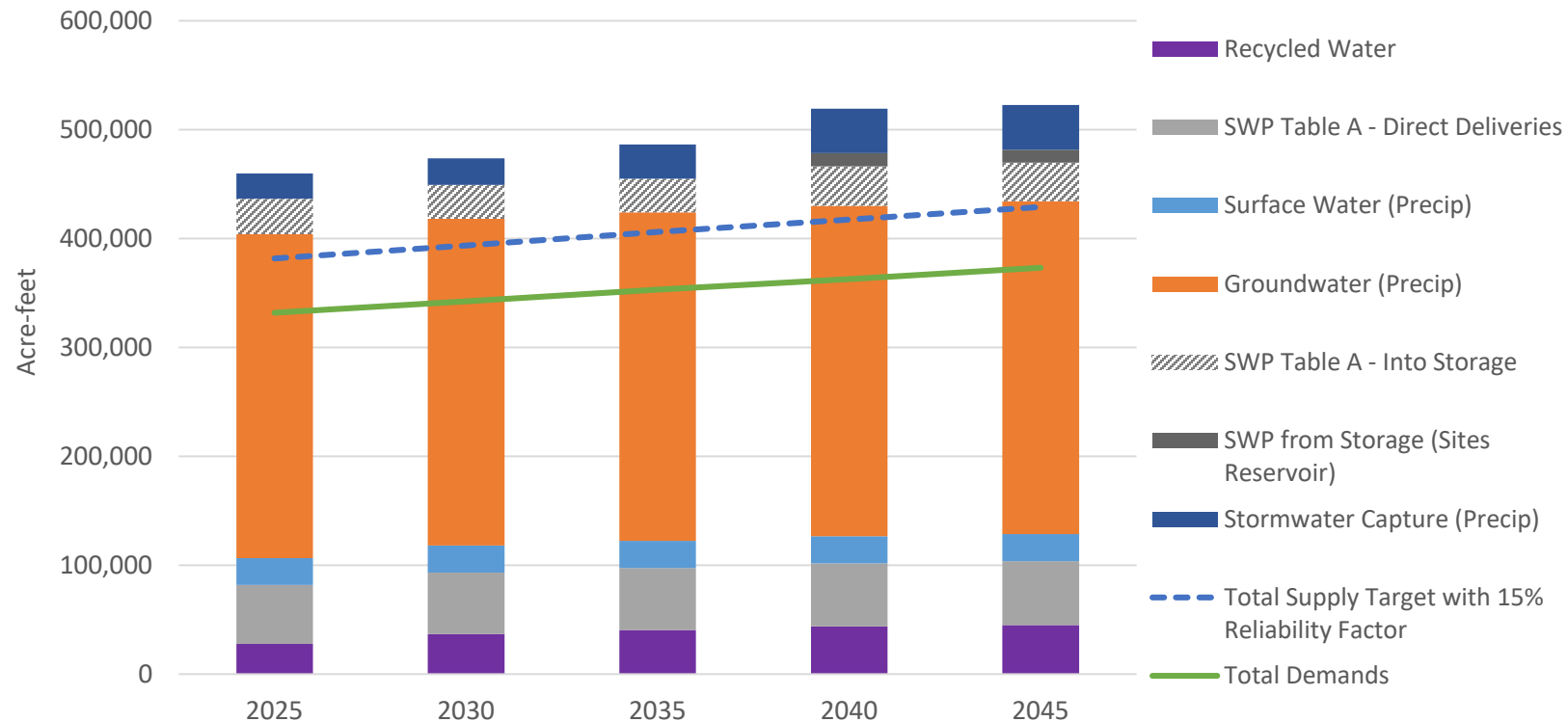
**2020** EXECUTIVE SUMMARY

UPPER SANTA ANA RIVER WATERSHED  
**INTEGRATED REGIONAL URBAN  
WATER MANAGEMENT PLAN**



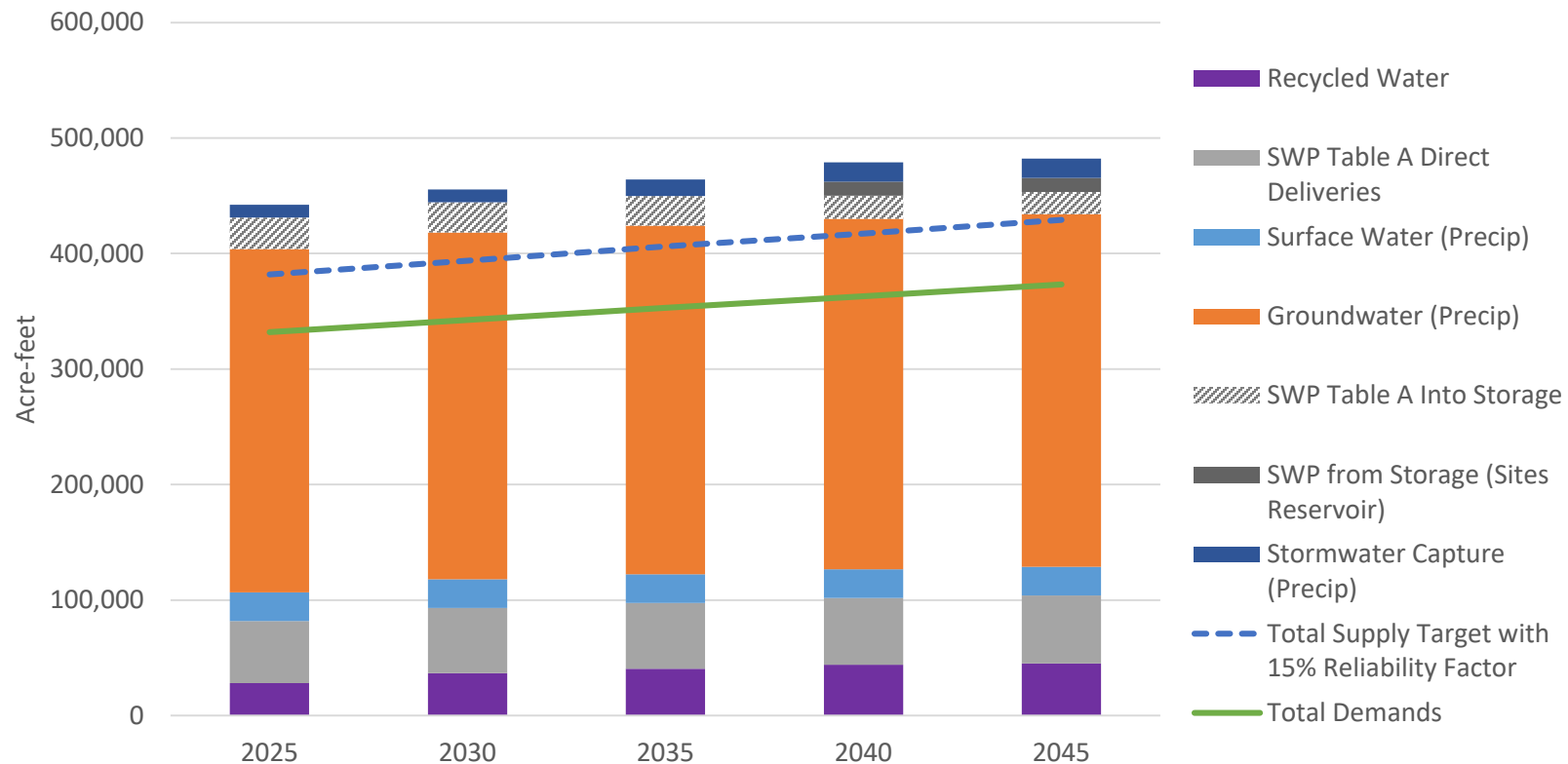
Photo Credit: San Bernardino Valley Water Conservation District

# Average Year



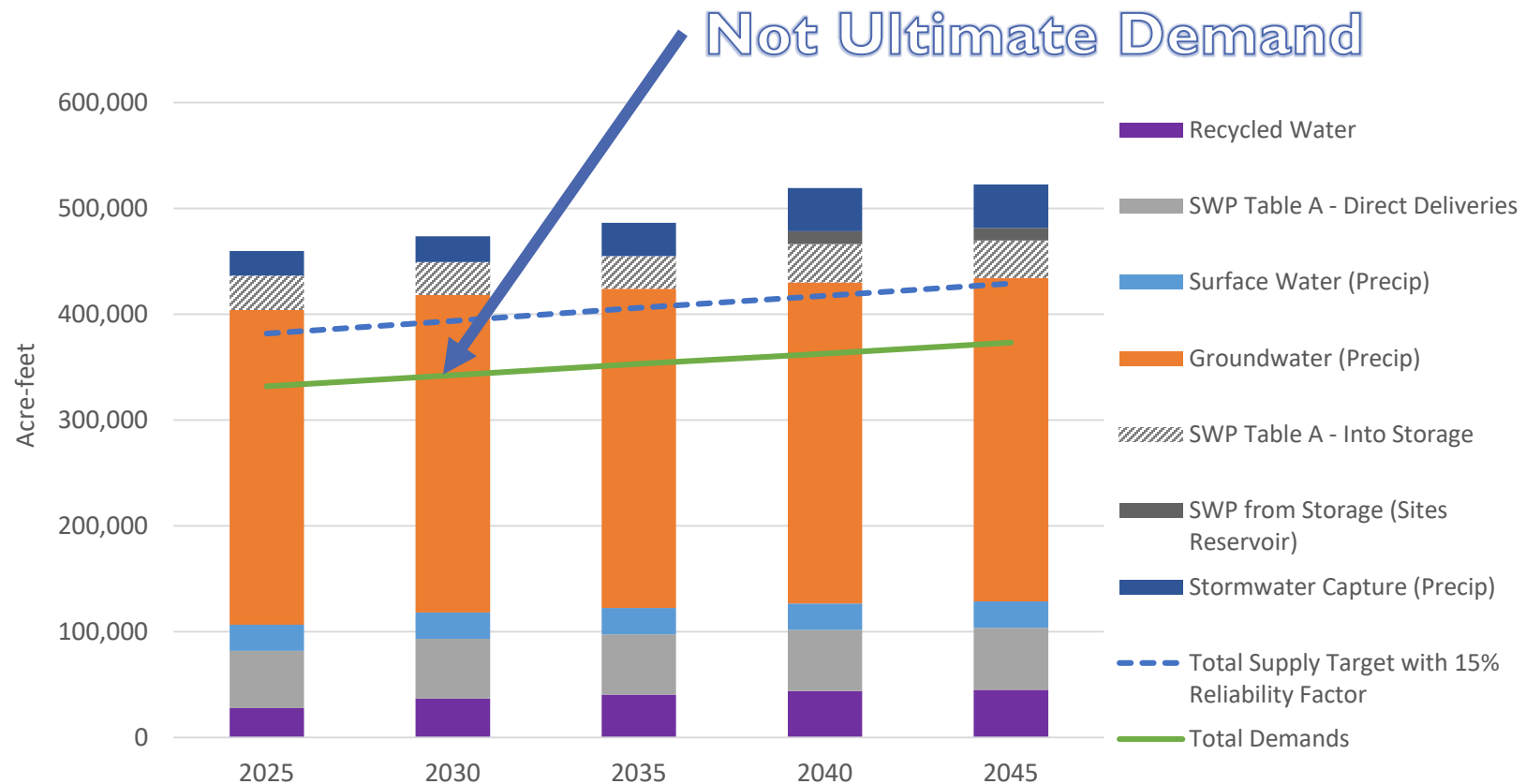


# 30 Year Drought



Will we really have surplus water?

# Average Year



# Proposed Evaluation of Ultimate Demand

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1. Build on RAND's previous work

## 2. Evaluate Ultimate Demand

- ❖ Meet with retail water agencies and planners
- ❖ Compile ultimate buildout data
  - ❖ Work with local planners to validate data
- ❖ Estimate ultimate demand based upon the validated ultimate buildout data using IRUWMP method (as adjusted)
  - ❖ Current building codes and efficiency standards
  - ❖ Plausible building codes and efficiency standards
- ❖ Update RAND model that calculates the Reliability Factor to also calculate the ultimate demand based upon the changing conditions, over time
- ❖ Timeline: 1 year
- ❖ Valley District cost: \$100,000

# Director Comments and Discussion

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President



**June Hayes**  
Vice President



**T. Milford  
Harrison**  
Treasurer



**Gil J. Botello**  
Director



**Susan Longville**  
Director

## Staff Recommendation

Direct staff to place this item on an upcoming Board of Directors meeting agenda for consideration.

# Discussion Item 4.4 (Pg. 28)

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**Kristeen Farlow, MPA** – Strategic Communications Manager

## Discuss ACWA Committee Appointments and Region 9 Election

### **Staff Recommendation**

Discuss the ACWA Committee appointment opportunities and consider which Committee(s), if any, the Directors are interested in serving on for the upcoming term. Discuss the ACWA Region 9 candidates and consider which candidates the Board may be interested in supporting. Direct staff to place the official vote for Region 9 candidates on the next Board Meeting for Board approval.

# ACWA Committee Interest

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- Agriculture
- Business Development
- Communications
- Energy
- Federal Affairs
- Finance
- Groundwater
- Legal Affairs
- Local Government
- Membership
- State Legislative
- Water Management
- Water Quality

# Region 9 Election

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## SLATE RECOMMENDED BY NOMINATING COMMITTEE

Chair: Harvey R. Ryan, Elsinore Valley Municipal Water District

Vice Chair: G. Patrick O'Dowd, Salton Sea Authority

### Board Members:

- Luis Cetina, Cucamonga Valley Water District
- Brenda Dennstedt, Western Municipal Water District
- Norma Sierra Galindo, Imperial Irrigation District
- Carol Lee Gonzales-Brady, Rancho California Water District
- James Morales, Jr., East Valley Water District

## INDIVIDUAL CANDIDATE NOMINATIONS

### Candidates for Chair:

- James Morales, Jr., East Valley Water District
- Harvey R. Ryan, Elsinore Valley Water District

### Candidates for Vice Char:

- G. Patrick O'Dowd, Salton Sea Authority

### Candidates for Board Members:

- Luis Cetina, Cucamonga Valley Water District
- Brenda Dennstedt, Western Municipal Water District
- Norma Sierra Galindo, Imperial Irrigation District
- Carol Lee Gonzales-Brady, Rancho California Water District
- James Morales, Jr., East Valley Water District
- G. Patrick O'Dowd, Salton Sea Authority
- Harvey R. Ryan, Elsinore Valley Water District



# Director Comments and Discussion

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**Paul Kielhold**  
President



**June Hayes**  
Vice President



**T. Milford  
Harrison**  
Treasurer



**Gil J. Botello**  
Director



**Susan Longville**  
Director

## Staff Recommendation

Discuss the ACWA Committee appointment opportunities and consider which Committee(s), if any, the Directors are interested in serving on for the upcoming term. Discuss the ACWA Region 9 candidates and consider which candidates the Board may be interested in supporting. Direct staff to place the official vote for Region 9 candidates on the next Board Meeting for Board approval.

# Future Business

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# Adjournment

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