

Pursuant to Assembly Bill 361 members of the Water Commission and staff will participate in this meeting via teleconference or other electronic means.

PARTICIPATE BEFORE THE MEETING by emailing WaterCommission@TorranceCA.Gov and write "Public Comment" in the subject line. In the body of the email include the item number and/or title of the item with your comments.

MEMBERS OF THE PUBLIC MAY VIEW AND PARTICIPATE IN THE HEARING VIA ZOOM

Online: <https://bit.ly/3J8b1Kk>

Phone: (253) 215-8782

Meeting ID: 934 2767 1342

Passcode: 994718

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the City Clerk's office at (310) 618-2780. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting. [28CFR35.102-35.104 ADA Title II]

Direct questions or concerns to the Commission Liaison at (310) 618-2967 or individual department head prior to submission to the Commission. Parties will be notified if the complaint will be included on a subsequent agenda.

The Water Commission is an advisory body to the City Council that meets on the fourth Wednesday of each month at 7:00 p.m. All meetings are open to the public.

Staff reports are attached to the agenda and available for review online. Questions or concerns may be directed to Chuck Schaich at (310) 781-6900. Agendas and Minutes are posted on the City of Torrance Home Page www.TorranceCA.Gov.

TORRANCE WATER COMMISSION AGENDA

WEDNESDAY, JULY 27, 2022

REGULAR MEETING

6:30 P.M. VIA TELECONFERENCE OR OTHER ELECTRONIC MEANS

WATER COMMISSION MAY TAKE ACTION ON ANY ITEM LISTED ON THE AGENDA

1. CALL MEETING TO ORDER

ROLL CALL: Commission members Deemer, Glass, Kawai, Masnek, Mattie, Siani, Chair Jay

2. FLAG SALUTE

3. REPORT OF THE PUBLIC WORKS STAFF ON THE POSTING OF THE AGENDA

The agenda was posted on the Public Notice Board at 3031 Torrance Bl. and on the City's Website on July 22, 2022

4. ANNOUNCEMENT OF WITHDRAWN, DEFERRED, AND/OR SUPPLEMENTAL ITEMS

5. ORAL COMMUNICATIONS (Limited to a 30-minute period)

This portion of the meeting is reserved for public comment on items on the agenda or on topics of interest to the general public. Under the Ralph M. Brown Act, Commissioners cannot act on items raised during public comment but may respond briefly to statements made or questions posed; request clarification; or refer the item to staff. Speakers under this Public Comment period will have no longer than 3 minutes per speaker.

6. CONSENT CALENDAR

Matters listed under the Consent Calendar are considered routine and will be enacted by one motion and one vote. There will be no separate discussion of these items. If discussion is desired, that item will be removed by a Commissioner from the Consent Calendar and considered separately.

6A. Approval of Minutes

- I. Regular Meeting May 25, 2022

7. ADMINISTRATIVE MATTERS

Matters listed under Administrative Matters are considered separately. Comment by members of public on each is limited to a maximum of 2 minutes per item. Speakers must stay on topic and confine their comments to the item under consideration.

- 7A. Discussion - Presentation Regarding Status of the North Torrance Wellfield Project** - Recommendation of the Deputy Public Works Director - Operations that the Water Commission accept and file this report.
- 7B. Election of Water Commission Chair and Vice-Chair for Fiscal 2022-23** - Recommendation of the Deputy Public Works Director – Operations that the Commission vote to select the Chair and Vice-Chair for Fiscal 2022 -23.
- 7C. Discussion - Status of Drought Conditions and Water Supply Situation** - Recommendation of the Deputy Public Works Director - Operations that the Water Commission accept and file this report.
- 7D. Consideration and Discussion - Acceptance of Annual Water Shortage Assessment Report** - Recommendation of the Deputy Public Works Director - Operations that the Water Commission provide conceptual approval for acceptance of this report.
- 7E. Discussion - Monthly Water Operations Report** - Recommendation of the Deputy Public Works Director - Operations that the Water Commission accept and file this report.

8. METROPOLITAN WATER DISTRICT MATTERS

- 8A. Metropolitan Water District Director's Report.**

9. COMMISSION AND STAFF ORAL COMMUNICATIONS

10. ADJOURNMENT

- 10A.** Adjournment of the Water Commission Meeting to Wednesday, August 24, 2022 at 6:30 p.m.

**MINUTES OF A REGULAR MEETING
OF THE TORRANCE WATER COMMISSION**

1. CALL MEETING TO ORDER

The Torrance Water Commission convened in a regular session at 6:30 p.m. on Wednesday, May 25, 2022, via teleconference.

ROLL CALL

Present: Commissioners Craft, Glass, Kawai, Masnek, Mattie, Siani, and Chairperson Jay.

Absent: None.

Also Present: Water Operations Manager Andrew Darlak, Deputy Public Works Director Matthew Knapp, Policy and Resources Specialist Chuck Schaich, and Environmental Quality Office Nora Duncan.

2. FLAG SALUTE

Commissioner Craft led the Pledge of Allegiance.

3. REPORT OF THE PUBLIC WORKS STAFF ON THE POSTING OF THE AGENDA

Policy and Resources Specialist Chuck Schaich reported that the agenda was posted on the Public Notice Board at 3031 Torrance Boulevard and on the City's Website.

MOTION: Commissioner Craft moved to accept and file the agenda. Commissioner Masnek seconded the motion; a roll call vote reflected 6-0 approval (Commissioner Glass absent).

4. ANNOUNCEMENT OF WITHDRAWN, DEFERRED, AND/OR SUPPLEMENTAL ITEMS

– None.

5. ORAL COMMUNICATIONS

A member of the public spoke.

6. CONSENT CALENDAR

- Commissioner Glass joined the meeting at 6:40 p.m.

6A. APPROVAL OF MINUTES: APRIL 27, 2022

MOTION: Commissioner Craft moved to approve the April 27, 2022 minutes as amended. Commissioner Siani seconded the motion; a roll call vote reflected unanimous approval.

7. ADMINISTRATIVE MATTERS

7A. DISCUSSION – STATUS OF DROUGHT CONDITIONS AND THE WATER SUPPLY SITUATION

Policy and Resources Specialist Chuck Schaich presented a PowerPoint presentation on the status of water supply and drought conditions:

- 90% of the state remains in extreme drought.
- Metropolitan's allocation was cut to 5%.
- Lake Powell, a feeder reservoir for Lake Mead, and Lake Mead are at historic low levels.
- In total, MWD is going to import approximately 1-million-acre-feet; 877,000 comes from the Colorado River Project (CRA), the rest from the State Water Project. Demand is 1.86-million-acre-feet.
- Indoor water standard allocation amounts to 55-gallons per day, per person; outdoor watering will be limited to one day per week.

MOTION: Commissioner Masnek moved to accept and file the report. Commissioner Glass seconded the motion; a roll call vote reflected unanimous approval.

7B. CONSIDERATION AND DISCUSSION – ACTIVATION OF HIGHER LEVEL OF CITY'S WATER CONSERVATION ORDINANCE

Policy and Resources Specialist Chuck Schaich presented a PowerPoint presentation on the activation of the City's Water Conservation Ordinance:

- Due to no precipitation in California's wettest months, California is currently in the driest conditions experienced.
- Key reservoirs include Lake Mead at 30% capacity, San Luis at 46% capacity, and Lake Oroville at 55% capacity.
- The Governor indicated that water use restrictions may be imposed if water use does not decline. Studies show that in March 2022, water use increased by approximately 18%.
- If there is another dry year in 2023, Metropolitan Water District will consider implementing a Water Supply Allocation Plan.
- Permanent Conservation Baseline stage prohibits wasteful uses of water which include no excess water runoff from landscapes, no watering between 10:00 a.m. and 4:00 p.m., no watering for more than 15-minutes per area, no washdowns of exterior surfaces, no washing of vehicles with an open hose, an obligation to fix leaks within 15 days, all water features require recirculation systems, restaurants provide water upon request only, and no single-pass cooling tower systems.
- Level I (Stage II of the Ordinance) calls for a 15% reduction in potable water use, no outdoor watering between 9:00 a.m. and 5:00 p.m., no watering for more than 15-minutes per area, limits watering to 3 days per week, and an obligation to fix leaks within 7 days. All permanent regulations remain enforced.
- Level II calls for 30% reduction in potable water use, no outdoor watering between 8:00 a.m. and 6 p.m., no watering for more than 10-minutes per area, limits watering to 2 days per week, and an obligation to fix leaks within 4 days.
- Water use priorities include having a minimal impact on the economy, preservation of health and safety, and landscaping (trees, shrubs, and permanent non-grass vegetation).
- Outreach includes postings on digital sign boards, possibility of bumper stickers on City vehicles, information racks at City buildings, resuming community events Summer 2022, educational and training programs through the California Landscape Workshops, and consideration of the Climate Smart Award program.

Commissioner Craft commended Policy and Resources Specialist Chuck Schaich on the presentation.

Commissioner Mattie inquired on the prohibition to refill ornamental water features. Policy and Resources Specialist Chuck Schaich replied that the Ordinance permits refills but would not permit filling new ornamental water features.

Chair Jay requested clarification on the Ordinance levels / stages. Policy and Resources Specialist Chuck Schaich replied that there are 4 levels in the Ordinance: Stage I features Permanent Conservation and has no reduction restrictions, Level I (Stage II of the Ordinance) calls for 15% reduction in water use, Level II calls for 30% reduction in water use, and Level III calls for +30% reduction in water use.

Deputy Public Works Director Matthew Knapp stated that the levels will be cleaned up for clarification in presentations moving forward. With the Commission's concurrence, Staff will present and recommend City Council go to Level I; if there is a mandate to go to Level II, an emergency Water Commission meeting will be called.

Commissioner Siani stated that Level II may be reached quickly, instead of having an emergency meeting, the Commission can start with Level I but have a contingency to go to Level II.

Commissioner Mattie requested clarification on the process regarding the Commission's decision presented to City Council and how information gets communicated to the City. Policy and Resources Specialist Chuck Schaich replied that City Council would decide to go to Level I; when a decision has been made, Staff will gather preliminary information to provide customers water conservation tactics through outreach programs and various platforms. Deputy Public Works Director Matthew Knapp stated that Staff will do what is mandated and what is legally required to do.

Commissioner Mattie inquired if a contingency to go to Level II could be put in place. Deputy Public Works Director Matthew Knapp replied that a motion can be made to authorize Staff go to Level II if required by State mandate.

Chair Jay inquired if recycled water was included for water supply. Policy and Resources Specialist Chuck Schaich stated that the State is only targeting potable water - this is subject to change.

Commissioner Siani inquired if restricting watering of non-functional turf with potable water was part of the restrictions for commercial use. Policy and Resources Specialist Chuck Schaich replied that that was not part of the Conservation Ordinance but could be part of the State Regulation.

A member of the public spoke.

MOTION: Commissioner Siani moved to approve the move to Level 1 with a contingency to move to Level II should the State mandate it. Commissioner Kawai seconded the motion; a roll call vote reflected unanimous approval.

7C. DISCUSSION – MONTHLY WATER OPERATIONS REPORT

Water Operations Manager Andrew Darlak presented the monthly water operations report.

- The Annual Water Quality Report for 2021 was posted to the website; 1,000 hardcopies were made and are located at Public Works, City Hall, and all libraries throughout the City. Requests to have a report mailed or delivered to a property can be made through Public Works, (310) 781-6900.

- The Annual State Report has been sent to the State for review, Staff is awaiting comments.
- Update on Well 10 and Well 11 at the North Torrance Well Field site: Edison has energized the facility. Permitting through DDW is in the works.
- Goats will be in town late June 2022 cleaning up vegetation for fire safety reasons.

Chair Jay inquired if any exceedances were in the Water Quality Report. Water Operations Manager Andrew Darlak replied that there were no exceedances in the report.

MOTION: Commissioner Glass moved to accept and file the report. Commissioner Craft seconded the motion; a roll call vote reflected unanimous approval.

8. METROPOLITAN WATER DISTRICT MATTERS

8A. METROPOLITAN WATER DISTRICT DIRECTOR'S REPORT

– None

9. COMMISSION AND STAFF ORAL COMMUNICATIONS

Commissioner Siani inquired if there was consideration for City of Torrance Municipal users to have access to an interactive site to view their water usage. Water Operations Manager Andrew Darlak replied that Staff is aware of the technology and that registers would be compatible, but the process has yet to be perfected and can be expensive.

10. ADJOURNMENT

MOTION: At 7:54 p.m., Commissioner Siani moved to adjourn the meeting to Wednesday, June 22, 2022, at 6:30 p.m. via teleconference. Chair Jay seconded the motion; a roll call vote reflected unanimous approval.

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TO: WATER COMMISSION
FROM: MATTHEW KNAPP, DEPUTY PUBLIC WORKS DIRECTOR - OPERATIONS
SUBJECT: PRESENTATION REGARDING STATUS OF THE NORTH TORRANCE WELLFIELD PROJECT

The North Torrance Wellfield Project (NTWP) has been completed and will be in a testing phase for all systems. The project completion was delayed by a number of months because of the unavailability of several critical electrical components due to supply chain issues.

The NTWP consists of a number of major facilities including: two new groundwater wells, a 2.5 million gallon storage reservoir, a pumping plant, a treatment plant and various ancillary facilities and equipment. Our existing Well Number 9 located in McMaster Park has been re-piped into the new treatment and pumping plant located at the NTWP facility. The issuance of required permits are pending with the Division of Drinking Water (DDW) of the State Water Resources Control Board (SWRCB). The project contractor will operate the plant for a number of months to resolve any start-up adjustments or corrective issues. Once the plant is functioning in a satisfactory manner for an extended period, plant operations will be turned over to Torrance Municipal Water personnel.

The NTWP will increase our local potable groundwater production by 200%. Once the facility is operating at full capacity, it will increase our total local potable water supply from 25% of total demand to nearly 50%. The completion of the NTWP represents a major milestone in realizing our water source reliability, resilience and sustainability goals by reducing our dependence on highly vulnerable imported water supplies.

John Dettle, the Project Manager for the facility, will provide a presentation regarding the North Torrance Wellfield Project.



Matthew Knapp
Deputy Public Works Director - Operations

Roll Call: _____ Deemer _____ Glass _____ Kawai _____ Masnek
_____ Mattie _____ Siani _____ Chairperson Jay

TO: WATER COMMISSION
FROM: MATTHEW KNAPP, DEPUTY PUBLIC WORKS DIRECTOR - OPERATIONS
SUBJECT: ELECTION OF WATER COMMISSION CHAIR AND VICE-CHAIR FOR FISCAL 2022-23

The terms of the Water Commission Chair and Vice-Chair expire at the end of fiscal year 2021-22. Therefore, it is necessary that the Commission hold nominations for both positions for fiscal 2022-23 at this month's meeting.

The Commission has broad discretion regarding the appointment of both positions and there are no term limit requirements, and the current and past Chairs and Vice-Chairs are eligible for reappointment. The current Chair is Raymond Jay and the Vice-Chair is Kent Kawai and both have served for the last two years. The term for both positions are through fiscal 2022-23. The Commission should conduct a nomination process and then vote to appoint both positions.



Matthew Knapp
Deputy Public Works Director - Operations

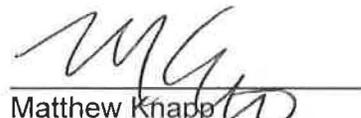
Roll Call: _____ Deemer _____ Glass _____ Kawai _____ Masnek
_____ Mattie _____ Siani _____ Chairperson Jay

TO: WATER COMMISSION
FROM: MATTHEW KNAPP, DEPUTY PUBLIC WORKS DIRECTOR - OPERATIONS
SUBJECT: STATUS OF DROUGHT CONDITIONS AND WATER SUPPLY SITUATION

With three consecutive years of near record breaking dry conditions, nearly 60% of California is in an extreme or exceptional drought status, which are the most severe drought levels. In addition, virtually the entire west region is also experiencing major drought impacts, with over 90% of the western states experiencing major prolonged extremely dry conditions. The drought has been due to very low rainfall and snowpacks throughout California and the Colorado River Basin region, primarily due to a persistent La Niña weather pattern. The current drought is the third major drought event over the last 13 years. The drought cycle is becoming more frequent, with deeper impacts and lasting for a longer duration. With this latest event, 11 of the last 17 years have been drought years.

This situation has been compounded by higher temperatures, drier atmospheric air masses, an early spring season and parched soil, which absorbs runoff before it reaches key water supply sources. The combination of these conditions has resulted in historic low allocations from the State Water Project (SWP), which on average had previously provided 30 percent of Southern California's potable water supply. However, over the last three years the Metropolitan Water District (MWD) has only received a total of 600,000 acre feet (AF) of supply from the SWP compared to an average cumulative three-year total of 2.4 million AF under a normal 40% allocation. This shortfall in SWP supply has exacerbated the effects of one of the State's most severe drought periods. In addition the Colorado River system has been in a 23-year extended dry period, which has reduced Lake Mead and Lake Powell to historic low levels of 28% of capacity. This situation has major implications for the seven western states, including California, that rely on water from the Colorado River.

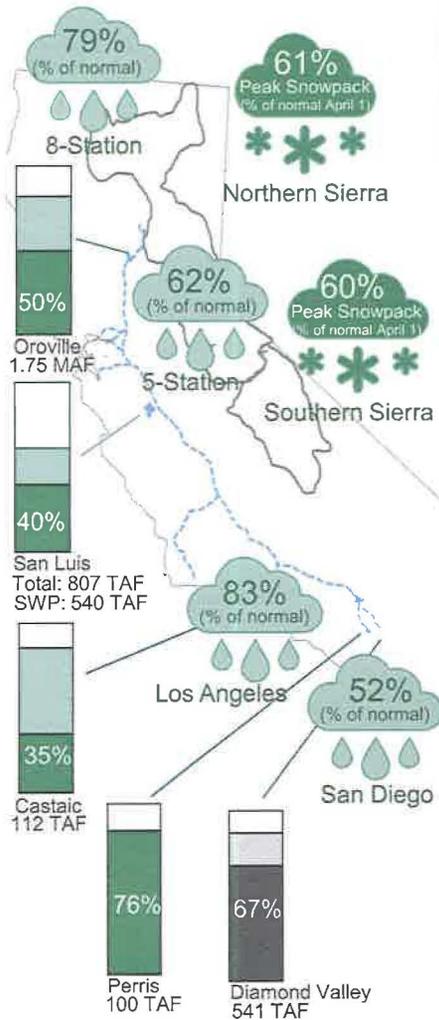
Major reservoirs throughout the state are at very low levels and are likely to drop substantially during the balance of the hot summer and early fall months, since very little precipitation is likely to occur during this normally dry period. The most critical reservoirs of importance to southern California are Lake Oroville, the San Luis Reservoir and Diamond Valley Lake, which is owned and operated by the Metropolitan Water District and contains approximately half of all water storage capacity within MWD's 5,200 square mile service area. Due to past major regional investments in water resource reliability, MWD has sufficient storage reserves to preclude any actual water shortages in the near term. However, a number of agencies located in the far northern and eastern portions of Metropolitan's service area are entirely or heavily reliant on very limited SWP supplies. Due to the lack of adequate SWP supplies, these agencies are under very restrictive water use regulations including a one-day per week outdoor watering mandate and strict volumetric water use limits.


Matthew Knapp
Deputy Public Works Director - Operations

Roll Call: _____ Deemer _____ Glass _____ Kawai _____ Masnek
_____ Mattie _____ Siani _____ Chairperson Jay

State Water Project Resources

SWP Table A – 5% - 95,575 AF



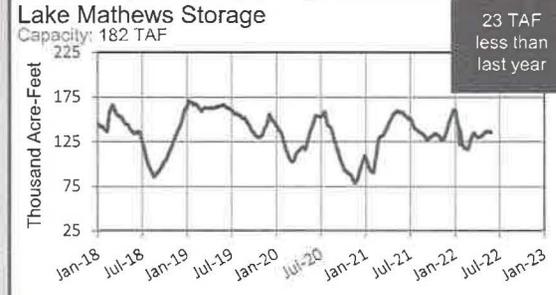
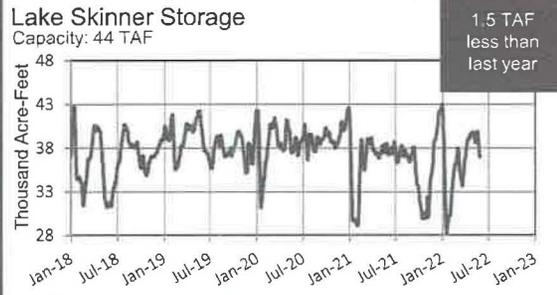
WATER SUPPLY CONDITIONS REPORT

Water Year 2021-2022
As of: June 27, 2022

Colorado River Resources

Projected CRA Diversions – 1,135,000 AF

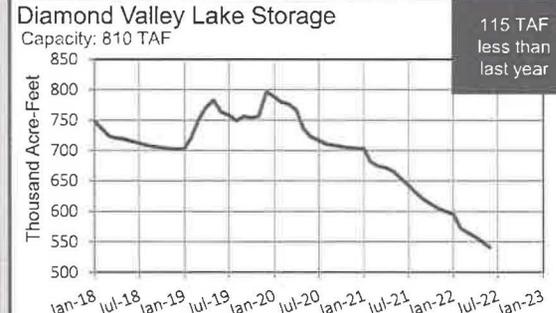
Metropolitan Resources



MWD WSDM Storage

Calendar Year 2022

	Take Capacity
Colorado River Aqueduct Delivery System	340 TAF
State Water Project System	184 TAF
In-Region Supplies and WSDM Actions	426 TAF
Other Programs	10 TAF
Total WSDM Storage Take Capacity	960 TAF



Highlights

- For more information on the current drought: <https://www.mwdh2o.com/planning-for-tomorrow/how-we-plan/drought/>



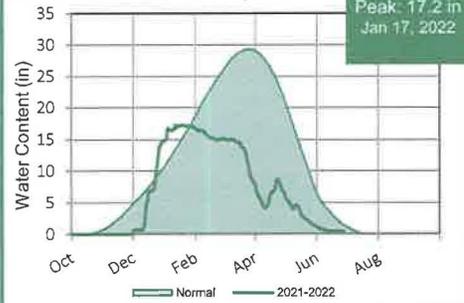
This report is produced by the Water Resource Management Group and contains information from various federal, state, and local agencies. The Metropolitan Water District of Southern California cannot guarantee the accuracy or completeness of this information. Readers should refer to the relevant state, federal, and local agencies for additional or for the most up to date water supply information. Reservoirs, lakes, aqueducts, maps, watersheds, and all other visual representations on this report are not drawn to scale. Questions? Email mferreira@mwdh2o.com

<http://www.mwdh2o.com/WSCR>

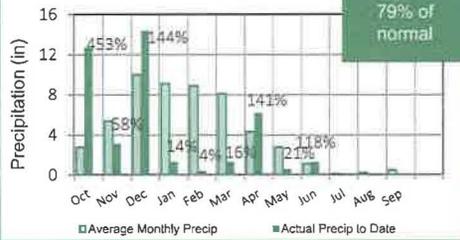
State Water Project Resources

As of: 06/27/2022

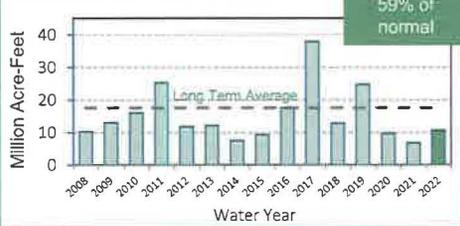
Northern Sierra Snowpack



8 Station Index Precipitation



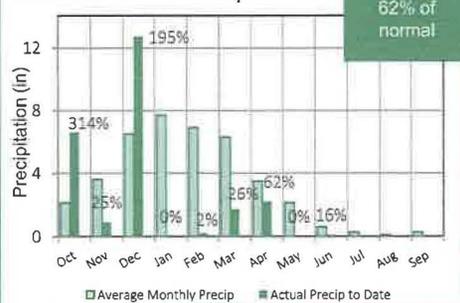
Sacramento River Runoff



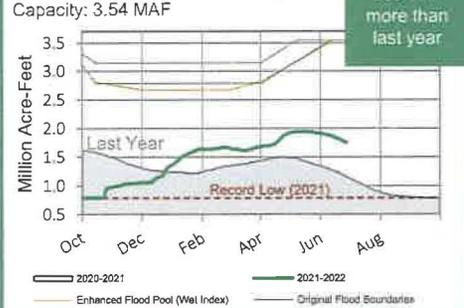
Other SWP Supplies

Calendar Year 2022
Carryover 38,000 AF (Est.)

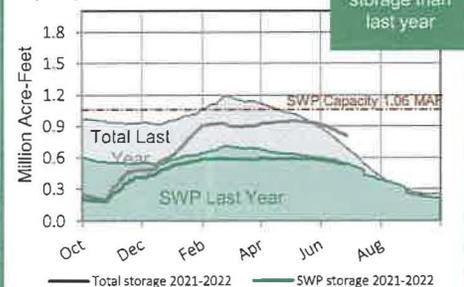
5 Station Index Precipitation



Oroville Reservoir Storage



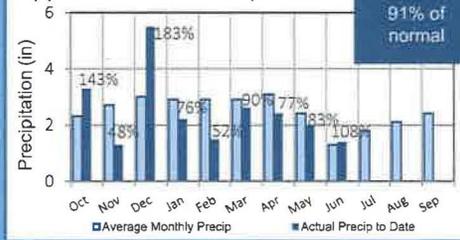
San Luis Reservoir Storage



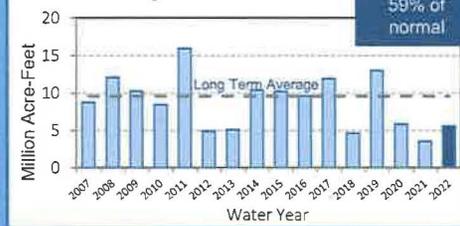
Colorado River Resources

As of: 06/27/2022

Upper Colorado Precipitation



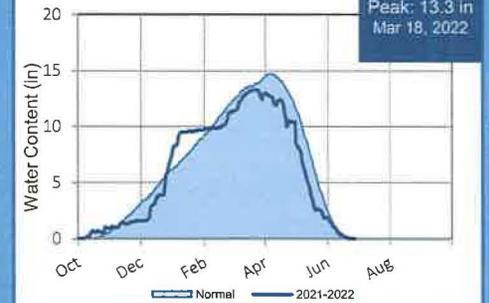
Powell Unregulated Inflow



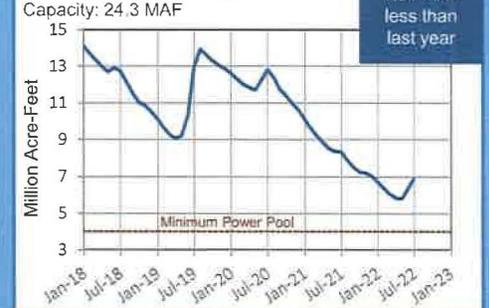
PVID/Yuma Agricultural Use



Upper Colorado Snowpack



Lake Powell Storage



Projected Lake Mead ICS

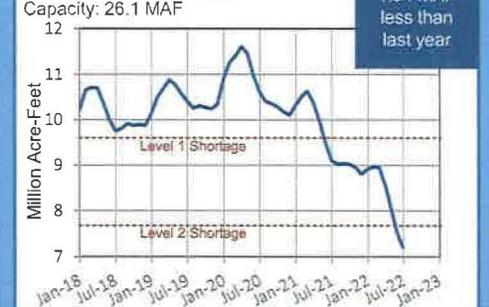
Calendar Year 2022
Put (+) / Take (-)
-270,000 AF

Lake Mead Surplus/Shortage Outlook

	2022	2023	2024	2025	2026
Surplus	0%	0%	0%	0%	0%
Shortage	100%	100%	93%	100%	87%
Metropolitan DCP*	3%	70%	65%	56%	56%
	180 TAF	272 TAF	290 TAF	299 TAF	

Liabilified based on results from the May 2022 CRMAIS in Ensemble ModelRFS model run. Includes DCP Contributions. Only includes 500+ Plan items implemented to date.
* Chance of required DCP contribution by Metropolitan. Volume is average contribution when needed.

Lake Mead Storage



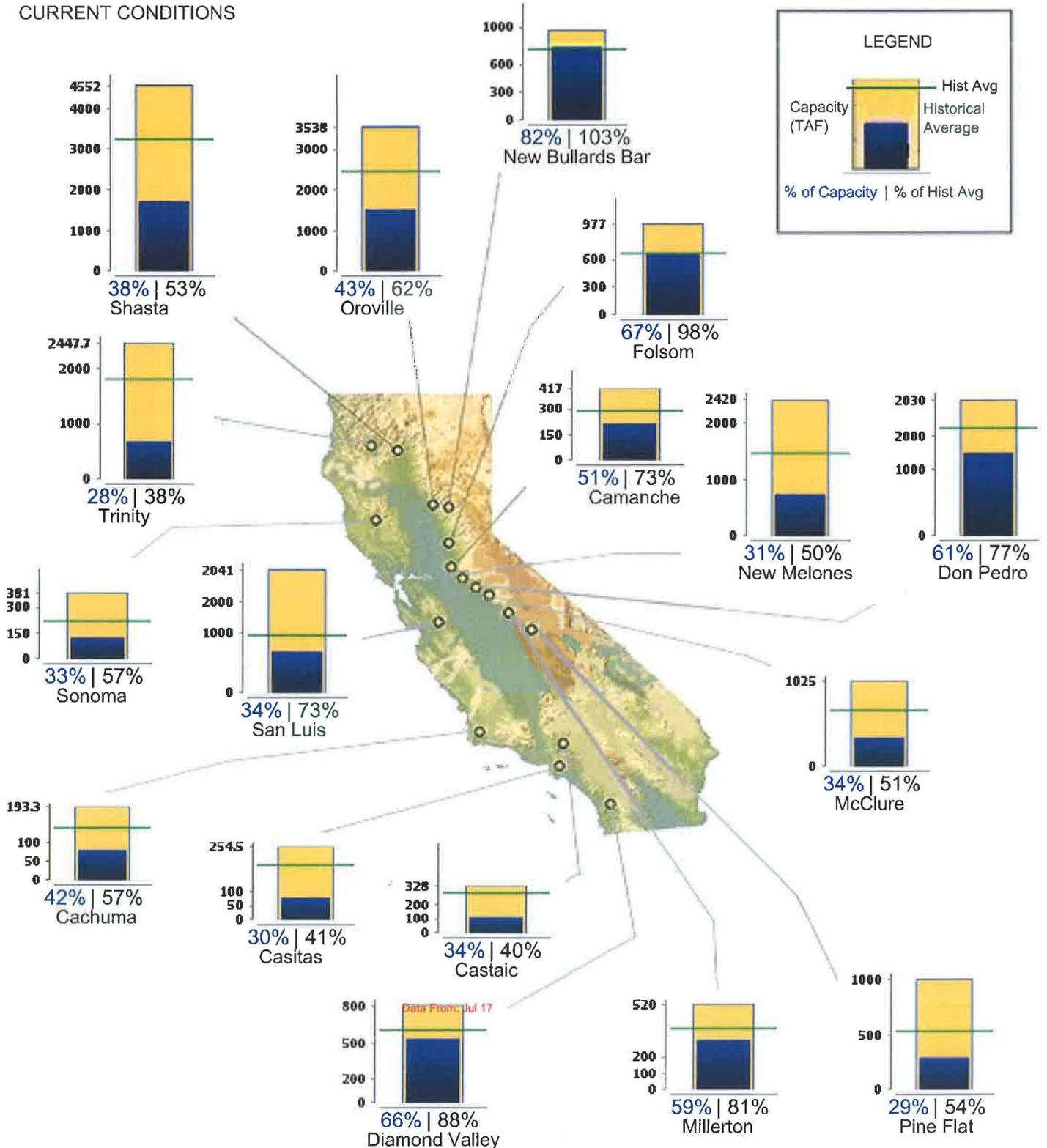


CURRENT RESERVOIR CONDITIONS

CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS

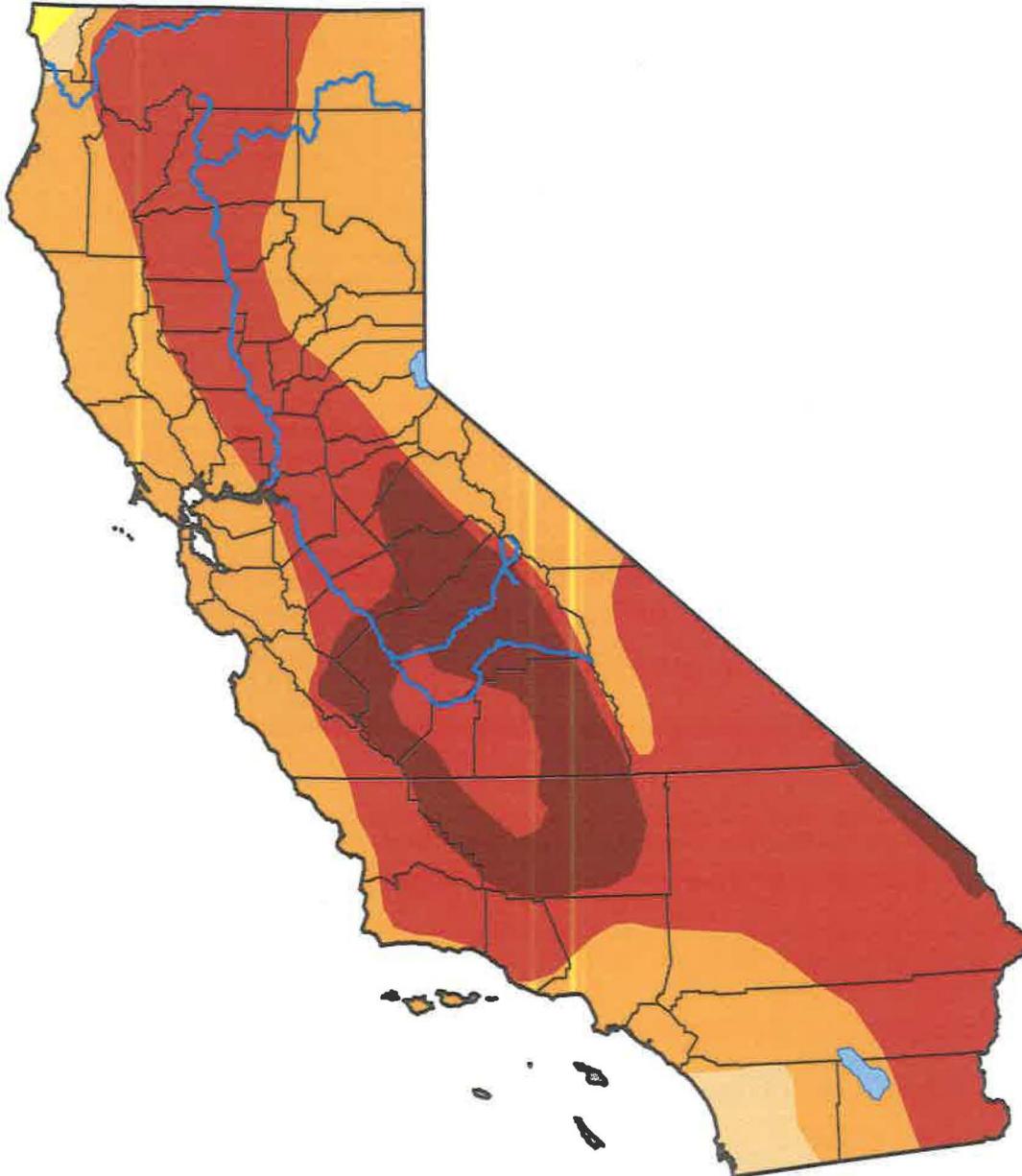
Midnight - July 21, 2022

CURRENT CONDITIONS



U.S. Drought Monitor California

July 19, 2022
(Released Thursday, Jul. 21, 2022)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	99.78	97.47	59.81	12.74
Last Week <i>07-12-2022</i>	0.00	100.00	99.80	97.48	59.81	12.74
3 Months Ago <i>04-19-2022</i>	0.00	100.00	100.00	95.18	40.81	0.00
Start of Calendar Year <i>01-04-2022</i>	0.00	100.00	99.30	67.62	16.60	0.84
Start of Water Year <i>09-28-2021</i>	0.00	100.00	100.00	93.93	87.88	45.66
One Year Ago <i>07-20-2021</i>	0.00	100.00	100.00	94.75	85.75	33.42

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

TO: WATER COMMISSION
FROM: MATTHEW KNAPP, DEPUTY PUBLIC WORKS DIRECTOR - OPERATIONS
SUBJECT: ACCEPTANCE OF ANNUAL WATER SHORTAGE ASSESSMENT REPORT

In June 2021, the City Council approved the state mandated Urban Water Management Plan (UWMP) for the five-year period of calendar year 2016 through 2020, which was subsequently submitted to the California Department of Water Resources (DWR) for review and approval. These plans are developed and filed every five years with DWR. The major purposes of this comprehensive plan are to address and evaluate reasonable and practical efficient water uses, water conservation activities and programs, the potential for reuse and reclamation of water resources, water demand management, reliability planning and water shortage and contingency assessments. The Water Shortage Contingency Plan (WSCP) element of the Urban Water Management Plan is incorporated into the body of UWMP, as well as submitted as a stand-alone document. The primary objective of this plan is to assess the water service reliability of the water agency under differing water shortage conditions and scenarios. The WSCP and other elements of the UWMP demonstrated that Torrance Municipal Water (TMW) can meet all current and future water demands for the next 25-years based on prevailing conditions.

Although the Annual Water Shortage Assessment Report (AWSAR) is a new state requirement, it has many similarities to the Water Shortage Contingency Plan. This AWSAR must be prepared and submitted to DWR on annual basis in July of each year beginning in 2022. Agencies use their water supply and demand assessment procedures from their WSCP, information from their UWMP and other supporting sources to conduct the annual assessment to ascertain whether the agency faces a water shortage situation. A draft first-cut preliminary assessment was submitted to DWR in June and a final report in July on that demonstrated TMW had sufficient water resources to avoid any water shortages for fiscal 2022-23 and beyond. It is requested that the Water Commission take a position to accept and conditionally approve the findings of the Annual Water Shortage Assessment Report.

Staff will provide a brief presentation regarding this matter



Matthew Knapp
Deputy Public Works Director - Operations

Roll Call: _____ Deemer _____ Glass _____ Kawai _____ Masnek
_____ Mattie _____ Siani _____ Chairperson Jay

TO: WATER COMMISSION
FROM: MATTHEW KNAPP, DEPUTY PUBLIC WORKS DIRECTOR – OPERATIONS
SUBJECT: ACCEPT AND FILE MONTHLY WATER OPERATIONS REPORT FOR JUNE 2022

It is the recommendation of the Deputy Public Works Director - Operations that the Water Commission accept and file this report.

Monthly Water Department highlights for the month of June 2022 are:

1. Total potable water produced from local sources is 17.9% higher than in June 2021. On a year-to-date basis, potable water is 9.5% higher than last year and total water produced from all sources, including recycled water is 1.3% higher than in 2021. There has been a significant increase in potable water sales to the Torrance Refining Company, as a result of continued high refinery production and quality related issues with recycled water received from the West Basin Municipal Water District.

Water Produced and Imported (Acre-feet)

Month: June

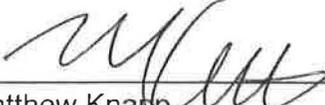
Water Source	June 2021	June 2022	Change
Potable Groundwater			
Wells*	152.1	155.0	1.9%
WRD Desalter*	253.7	323.2	27.4%
Subtotal	405.8	478.2	17.9%
Imported Potable			
MWD	1,222.1	1,111.8	-9.0%
Imported Recycled			
WBMWD	575.5	423.0	-26.5%
Total Produced/Imported			
All Potable Sources	1,627.9	1,590.0	-2.3%
All Sources + Recycled	2,203.4	2,013.0	-8.6%

Year to Date: 2021 vs 2022

Water Source	2021 YTD	2022 YTD	Change
Potable Groundwater			
Wells	888.1	955.0	7.5%
WRD Desalter	1,066.0	1,673.4	57.0%
Subtotal	1,954.1	2,628.4	34.5%
Imported Potable			
MWD	6,637.0	6,780.4	2.2%
Imported Recycled			
WBMWD	2,882.1	2,215.1	-23.1%
Total Produced/Imported			
All Potable Sources	8,591.1	9,408.8	9.5%
All Sources + Recycled	11,473.2	11,623.9	1.3%

*data estimate based on production reads

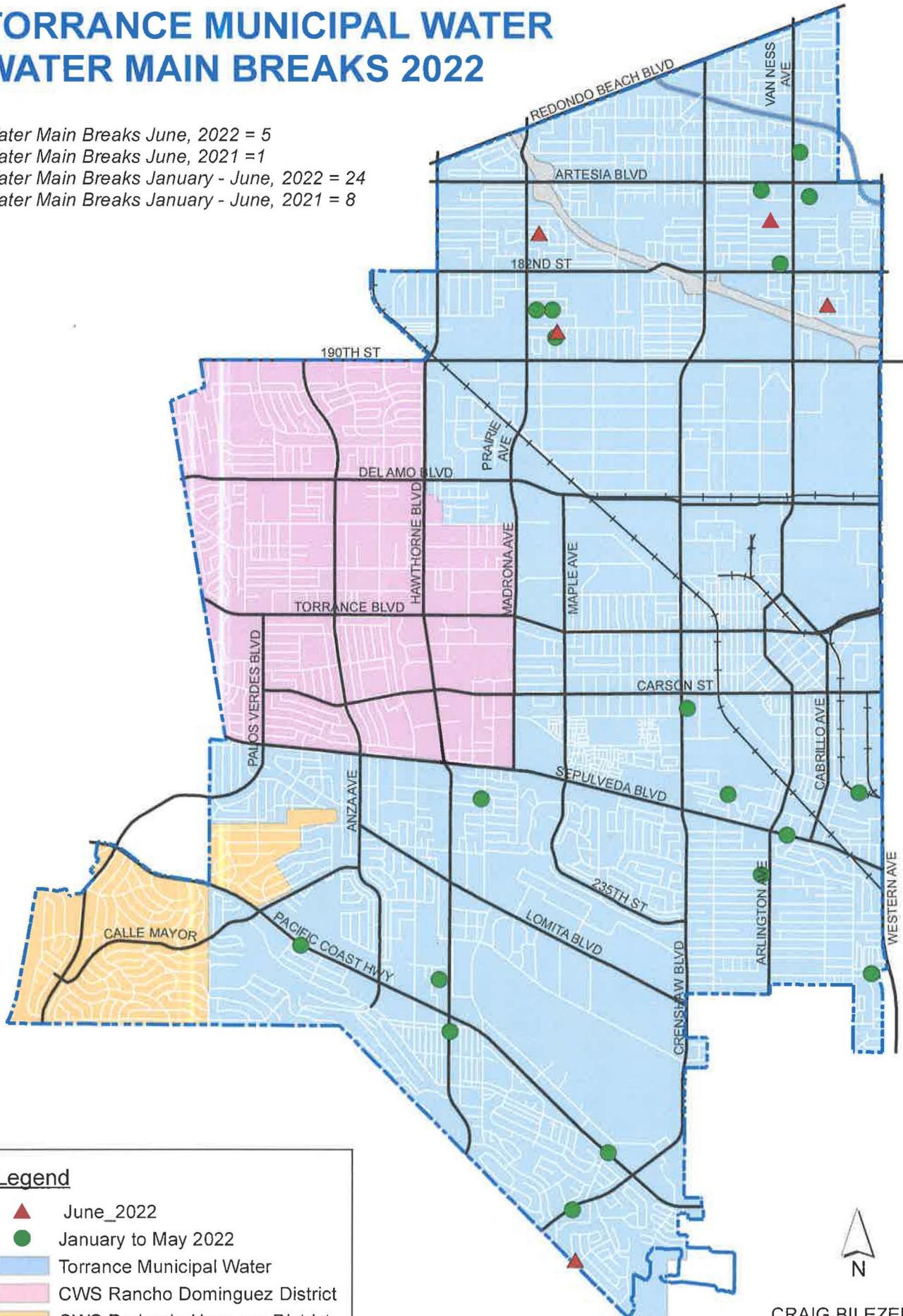
2. There were 5 water main breaks for the month of June 2022, the same as June 2021. Total main breaks for calendar year 2022 are 24 compared to 8 last year.
3. Currently, the Goldsworthy Desalter is operating at an optimum level. The Desalter is projected to produce an average of 3,000 to 4,000 AF of potable water per year in the near future. The Water Replenishment District recently acquired a brackish well that formerly served the Brewer Desalter, which is no longer in service, and is developing plans to install a main in the City Yard connecting it to the Goldsworthy Desalter. This would provide a third source well and increase Desalter production significantly to further enhance our local supply diversification.


 Matthew Knapp
 Deputy Public Works Director – Operations

Roll Call: _____ Deemer _____ Glass _____ Kawai _____ Masnek
 _____ Mattie _____ Siani _____ Chairperson Jay

TORRANCE MUNICIPAL WATER WATER MAIN BREAKS 2022

Water Main Breaks June, 2022 = 5
 Water Main Breaks June, 2021 = 1
 Water Main Breaks January - June, 2022 = 24
 Water Main Breaks January - June, 2021 = 8



Legend

- ▲ June_2022
- January to May 2022
- Torrance Municipal Water
- CWS Rancho Dominguez District
- CWS Redondo-Hermosa District


 CRAIG BILEZERIAN
 PUBLIC WORKS DIRECTOR