

## APPENDIX B: eCCR Certification Form (Suggested Format)

### Consumer Confidence Report Certification Form

(To be submitted with a copy of the CCR)

Water System Name:	Irvine Ranch Water District
Water System Number:	CA3010092

The water system named above hereby certifies that its Consumer Confidence Report was distributed on **June 1, 2022** to customers and appropriate notices of availability have been given. Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the State Water Resources Control Board, Division of Drinking Water (DDW).

Certified by:

Name: Lisa Haney	Title: Regulatory Compliance Manager
Signature:	Date: 9/22/22
Phone number: (949) 453-5831	blank

*To summarize report delivery used and good-faith efforts taken, please complete this page by checking all items that apply and fill-in where appropriate:*

- ☒ CCR was distributed by mail or other direct delivery methods (attach description of other direct delivery methods used). **(29 print copies were mailed upon request)**
- ☒ CCR was distributed using electronic delivery methods described in the Guidance for Electronic Delivery of the Consumer Confidence Report (water systems utilizing electronic delivery methods must complete the second page).
- ☒ "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:
  - ☒ Posting the CCR at the following URL: **www.IRWD.com/water-report**
  - ☒ Mailing the CCR to postal patrons within the service area (**Mailed to zip codes: 92602, 92603, 92604, 92610, 92612, 92614, 92618, 92620, 92630, 92657, 92660, 92679, 92780**)
  - ☒ Advertising the availability of the CCR in news media (Copies of printed ads attached)
  - ☐ Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of newspaper and date published)
  - ☐ Posted the CCR in public places (attach a list of locations)

- ☐ Delivery of multiple copies of CCR to single-billed addresses serving several persons, such as apartments, businesses, and schools
- ☐ Delivery to community organizations (attach a list of organizations)
- ☐ Publication of the CCR in the electronic city newsletter or electronic community newsletter or listserv (attach a copy of the article or notice)
- ☒ Electronic announcement of CCR availability via social media outlets (**Social media outlets utilized were Facebook, Twitter and Instagram**)
- ☒ Other (**CCR availability with link to online report promoted in IRWD's June 2022 Pipelines customer newsletter, June 2022 and July 2022 billing messages and June 22 and July 2022 on-hold messages for incoming calls. Also, CCR was displayed and discussed in detail at July 13, 2022 "Tap Water 101" webinar.**)
- ☒ *For systems serving at least 100,000 persons:* Posted CCR on a publicly-accessible internet site at the following URL: **www.IRWD.com/water-report**
- ☐ *For privately-owned utilities:* Delivered the CCR to the California Public Utilities Commission

### **Consumer Confidence Report Electronic Delivery Certification**

*Water systems utilizing electronic distribution methods for CCR delivery must complete this page by checking all items that apply and fill-in where appropriate.*

- ☒ Water system mailed a notification that the CCR is available and provides a direct URL to the CCR on a publicly available website where it can be viewed (See attached copy of the mailed CCR notification postcards).  
URL: **www.IRWD.com/water-report**
- ☒ Water system emailed a notification that the CCR is available and provides a direct URL to the CCR on a publicly available site on the Internet where it can be viewed (See attached copy of the emailed CCR notification).  
URL: **www.IRWD.com/water-report**
- ☐ Water system emailed the CCR as an electronic file email attachment.
- ☐ Water system emailed the CCR text and tables inserted or embedded into the body of an email, not as an attachment (attach a copy of the emailed CCR).
- ☐ *Requires prior DDW review and approval.* Water system utilized other electronic delivery method that meets the direct delivery requirement.

*Provide a brief description of the water system's electronic delivery procedures and include how the water system ensures delivery to customers unable to receive electronic delivery.*

<p>The 2022 IRWD Water Quality Report (aka CCR) was available June 1, 2022, as a printable PDF at <a href="http://www.irwd.com/water-report">www.irwd.com/water-report</a>. A print article in the June 2022 Pipelines customer newsletter promoting this dedicated URL for the IRWD CCR accompanied the June water bills mailed to approximately <b>70,850</b> customers. (See attached PDF of June 2022 Pipelines, page 1.)</p>
<p>The first page of every June 2022 and July 2022 water bill (including both print and electronic deliveries of these bills) also contained a separate written message which told customers where to find the 2022 CCR at <a href="http://www.irwd.com/water-report">www.irwd.com/water-report</a>.</p>
<p>IRWD also mailed <b>34,248</b> postcards to customers who receive electronic bills only, plus <b>6,954</b> postcards to landlords and/or property managers of tenants receiving water from IRWD. These postcards informed their recipients the 2022 CCR was available online at <a href="http://www.irwd.com/water-report">www.irwd.com/water-report</a> and informed them a printed CCR would be mailed upon request. (See attached PDFs of these postcards.) As of August 9, 2022, <b>17</b> printed 2022 CCR copies were mailed to customers by request</p>
<p>Prior to mailing out CCR notifications postcards to eBill customers not receiving printed water bills, IRWD sent out a Mail Chimp email blast in early June 2022 to <b>78,683 recipients</b> informing these customers that the 2022 water quality report was available for viewing. (See attached email screen capture PDF.) As a result of this email blast, 63,638 customers opened the email, 4,853 clicked the link to open the 2022 IRWD Water Quality Report, 2,272 emails bounced back, and 138 customers unsubscribed. The names and addresses of the 2,272 customers whose emails bounced back were subsequently added to the postcard mailing list, to help ensure these customers would receive a 2022 IRWD Water Quality Report notification.</p>
<p>For additional outreach, IRWD ran advertisements on June 16, 2022 in four local newspapers of general circulation to further publicize the link to the CCR to customers in IRWD's service area. (See attached PDF with tear sheets of these ads.)</p>
<p>Social media posts on Facebook, Twitter and Instagram were published in June 2022 to further promote the availability of the CCR.</p>
<p>IRWD also recorded June and July 2022 "on-hold messages" promoting the availability of 2022 CCR to customers calling in.</p>
<p>IRWD presented a July 13, 2022 webinar, entitled Tap Water 101 Workshop, which displayed and explained how to read the CCR and answered customer questions about it. <b>17</b> customers attended this webinar.</p>
<p><i>Please see the attached PDF to review the 2022 IRWD Water Quality Report. Samples of IRWD's various 2022 CCR outreach materials are also provided in a second attached PDF.</i></p>

*This form is provided as a convenience and may be used to meet the certification requirement of section 64483(c) of the California Code of Regulations.*





Irvine Ranch  
Water District

**2022 WATER QUALITY REPORT**



# IRWD 2022 Water Quality Report

Since 1990, California public water utilities have provided an annual water quality report to their customers. **This year's report covers calendar year 2021 drinking water quality testing and reporting.** Irvine Ranch Water District vigilantly

safeguards its water supply and, as in years past, the water delivered to your home meets the quality standards required by federal and state regulatory agencies. The U.S. Environmental Protection Agency and the State Water Resources Control Board, Division of Drinking Water are the agencies responsible for establishing and enforcing drinking water quality standards.

IRWD and other regional water suppliers frequently go beyond what is required by testing for unregulated chemicals that may have health risks but do not have drinking water standards. For example, the Orange County Water District, which manages the groundwater basin; the Metropolitan Water District of Southern California,



which supplies imported treated surface water; and IRWD, which operates a local surface water treatment plant and several groundwater treatment plants, all test for unregulated chemicals in our water supply. Unregulated chemical monitoring helps U.S. EPA and DDW determine where certain chemicals occur and whether new standards need to be established for those chemicals.

Through drinking water quality compliance testing programs carried out by OCWD (groundwater), MWD (treated surface water) and IRWD (treatment plants and the distribution system), your drinking water is constantly monitored from source to tap for regulated and unregulated constituents.

The state allows drinking water agencies to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some data, though representative, is more than one year old.

## This report contains important information about your drinking water. Translate it, or speak with someone who understands it.

يحتوي هذا التقرير على معلومات هامة عن نوعية ماء الشرب في منطقتك. يرجى ترجمته، أو ابحث التقرير مع صديق لك يفهم هذه المعلومات جيدا.

Arabic

Der Bericht enthält wichtige Informationen über die Wasserqualität in Ihrer Umgebung. Der Bericht sollte entweder offiziell übersetzt werden, oder sprechen Sie mit Freunden oder Bekannten, die gute Englischkenntnisse besitzen.

German

이 보고서에는 귀하가 거주하는 지역의 수질에 관한 중요한 정보가 들어 있습니다. 이것을 번역하거나 충분히 이해하시는 친구와 상의하십시오.

Korean

这份报告中有些重要的信息，讲到关于您所在社区的水的品质。请您找人翻译一下，或者请能看得懂这份报告的朋友给您解释一下。

Chinese

Questo rapporto contiene informazioni importanti che riguardano la vostra acqua potabile. Traducetelo, o parlate con una persona qualificata in grado di spiegarvelo.

Italian

Este informe contiene información muy importante sobre su agua potable. Para más información o traducción, favor de contactar a Customer Service Representative. Teléfono: 949-453-5300.

Spanish

Ce rapport contient des informations importantes sur votre eau potable. Traduisez-le ou parlez en avec quelqu'un qui le comprend bien.

French

この資料には、あなたの飲料水についての大切な情報が書かれています。内容をよく理解するために、日本語に翻訳して読むか説明を受けてください。

Japanese

Bản báo cáo có ghi những chi tiết quan trọng về phẩm chất nước trong cộng đồng quý vị. Hãy nhờ người thông dịch, hoặc hỏi một người bạn biết rõ về vấn đề này.

Vietnamese

## Questions about your water? Contact us for answers.

If you have questions about this report, please call Lars Oldewage, IRWD water quality manager, at 949-453-5858.

To reach IRWD Customer Service and for other information, please call 949-453-5300, or email [CustomerService@IRWD.com](mailto:CustomerService@IRWD.com).

## Community participation

The IRWD Board of Directors meets the second and fourth Monday of each month beginning at 5 p.m. at IRWD, 15600 Sand Canyon Avenue, Irvine, California 92618.

A copy of this report is also available on our website: [IRWD.com](http://IRWD.com). For more information about the health effects of the listed contaminants in the following tables, call the U.S. EPA Safe Drinking Water Hotline at 800-426-4791.

# The quality of your water is our primary concern

## Sources of supply

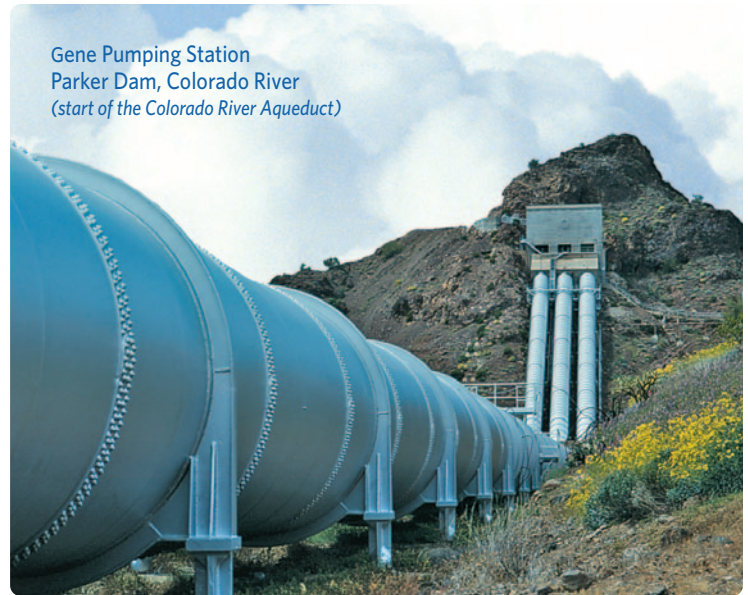
IRWD is committed to providing a clean and reliable water supply for its customers. Our drinking water is a blend of groundwater from the Orange County Groundwater Basin and surface water imported by the Metropolitan Water District. MWD's imported water sources come from the State Water Project and the Colorado River Aqueduct. Local groundwater is pumped from a natural underground reservoir that stretches from the Prado Dam and fans across the northwestern portions of Orange County, stretching as far south as the El Toro "Y." Additional source waters come from the Harding Canyon Dam watershed and the Santiago Creek Dam watershed. Local groundwater comprises approximately 65% of the total IRWD drinking water supply.

## Basic information about drinking water contaminants

Drinking water sources (both tap and bottled water) may include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of land or through the layers of the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animal and human activity.

Contaminants that may be present in source water include:

- **Microbial contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- **Pesticides and herbicides**, which may come from a variety of sources such as agriculture, urban stormwater runoff and residential uses.
- **Radioactive contaminants**, which can be naturally occurring or be the result of oil and gas production or mining activities.
- **Inorganic contaminants**, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic sewage discharges, oil and gas production, mining and farming.
- **Organic chemical contaminants**, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gasoline stations, urban stormwater runoff, agricultural application and septic systems.



Gene Pumping Station  
Parker Dam, Colorado River  
(start of the Colorado River Aqueduct)

To ensure that tap water is safe to drink, the U.S. EPA and DDW prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.

More information about contaminants and potential health effects can be obtained by calling the U.S. EPA Safe Drinking Water Hotline at 800-426-4791.

## Safe from COVID-19

The coronavirus, SARS-CoV-2 (which leads to the illness COVID-19), does not present a threat to our water supplies.

IRWD's groundwater comes from deep wells, which do not contain viruses or other pathogenic organisms. Our imported surface water receives advanced water treatment that removes all microorganisms including viruses.

Additional information about COVID-19 and your water supply is available from the California Water Boards at [waterboards.ca.gov](https://www.waterboards.ca.gov).

# Information the U.S. EPA would like you to know

## Drinking water fluoridation

Fluoride has been added to U.S. drinking water supplies since 1945. In December 2007, MWD joined a majority of the nation's public water suppliers in adding fluoride to drinking water to help prevent tooth decay. MWD was in compliance with all provisions of the state's fluoridation system requirements.



IRWD's local groundwater contains naturally occurring fluoride, but is not supplemented with fluoride. Fluoride levels in drinking water are limited under California state regulations at a maximum dosage of 2 parts per million.

There are many places to go for additional information about the fluoridation of drinking water:

### **U.S. Centers for Disease Control and Prevention**

800-232-4636 • [cdc.gov/fluoridation](https://cdc.gov/fluoridation)

### **State Water Resources Control Board, Division of Drinking Water**

[waterboards.ca.gov/drinking\\_water/  
certlic/drinkingwater/Fluoridation.html](https://waterboards.ca.gov/drinking_water/certlic/drinkingwater/Fluoridation.html)

### **American Water Works Association:** [awwa.org](https://awwa.org)

For more information about MWD's fluoridation program, please contact Edgar G. Dymally at 213-217-5709 or at [edymally@mw2h2o.com](mailto:edymally@mw2h2o.com).

## Cryptosporidium

*Cryptosporidium* is a microscopic organism that, when ingested, can cause diarrhea, fever, and other gastrointestinal symptoms.

The organism comes from animal and/or human waste and may be in surface water. MWD and IRWD tested the source waters and treated surface waters for *Cryptosporidium* in 2021 and did not detect it.

If detected in any drinking water samples, *Cryptosporidium* is eliminated by an effective treatment combination including sedimentation, filtration and disinfection.

The U.S. EPA and the federal Centers for Disease Control guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the U.S. EPA Safe Drinking Water Hotline at 800-426-4791.

## Immuno-compromised people

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised people, such as those with cancer who are undergoing chemotherapy, people who have had organ transplants, people with HIV/AIDS or other immune system disorders, some elderly people and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers.

## Total coliform rule

This Consumer Confidence Report reflects changes in drinking water regulatory requirements instituted during 2016. All water systems are required to comply with the state Total Coliform Rule. Effective April 1, 2016, all water systems are also required to comply with the federal Revised Total Coliform Rule. The state Revised Total Coliform Rule became effective July 1, 2021.

The federal and state rules protect public health by ensuring the integrity of the drinking water distribution system by monitoring for the presence of microbials (i.e., total coliform and *E. coli* bacteria). U.S. EPA anticipates greater public health protection as the new rule requires water systems that are vulnerable to microbial contamination to identify and resolve potential issues. Water systems that exceed a specified frequency of total coliform occurrences are required to conduct an assessment to determine if any sanitary defects exist. If found, these must be corrected by the water system.

## Chloramines

Water imported from MWD and locally produced ground-water contains chloramines, a combination of chlorine and ammonia, as a drinking water disinfectant. Chloramines effectively kill bacteria and other microorganisms that may cause disease.

Chloramines have no odor when used properly.

People who use kidney dialysis machines may want to take special precautions and consult their physician for the appropriate type of water treatment.

Customers who maintain fish ponds, tanks or aquariums should also make necessary adjustments in water quality treatment, as these disinfectants are toxic to fish.

For further information or if you have any questions about chloramines please visit [IRWD.com](https://IRWD.com) or call 949-453-5300.



# Water quality issues that could affect your health

## About lead in tap water

IRWD meets all standards for lead in the U.S. EPA Lead and Copper Rule. If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing.

IRWD is responsible for providing high-quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. IRWD encourages you to collect the flushed water and reuse it for another beneficial purpose, such as watering potted plants.

Information on lead in drinking water, testing methods, and

steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at [epa.gov/safewater/lead](http://epa.gov/safewater/lead).

If you are concerned about lead in your water, you may wish to have your water tested.



## Nitrate advisory

Nitrate in drinking water at levels above 10 mg/L is a health risk for infants of less than six months old. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin.

Nitrate levels above 10 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies.

If you are caring for an infant or are pregnant, you should ask advice from your health care provider.

## Want additional information? Explore water online.



There's a wealth of information on the internet about drinking water quality, water reliability and water issues in general. A good place to begin your research is [IRWD.com/water-report](http://IRWD.com/water-report).

In addition to extensive information about your local water and the support and services we offer, you'll find links to many other regional, statewide and national water resources.

You can also view "Journey of a Water Sample: How We Safeguard Your Water," a short video depicting the steps IRWD staff take to ensure the high quality of our drinking water.

**Enjoy keeping in the know via social media? Follow IRWD's water updates here:**



**Facebook**

Like Us:  
Irvine Ranch Water District



**Twitter**

Follow us:  
@IRWDnews



**YouTube**

Watch us:  
[youtube.com/IrvineRanchWD](http://youtube.com/IrvineRanchWD)



**Instagram**

Follow us:  
@IRWDnews

## Irvine Ranch Water District Local and Imported Drinking Water Quality Results for 2021

Chemical	MCL	MRDL	PHG MRDLG (MCLG)	Average Local Treated Groundwater	Average Local Treated Surface Water	Average Imported MWD Treated Water	Range of Detections	MCL Violation?	Typical Source of Contaminant
Radiologicals – Tested in 2020 and 2021									
Alpha Radiation (pCi/L)	15	(0)		<3	ND	<3	ND – 3.4	No	Erosion of Natural Deposits
Beta Radiation (pCi/L)	50	(0)		NR	ND	5	ND – 6	No	Decay of natural and man-made deposits
Uranium (pCi/L)	20	0.43		<1	1.5	2	ND – 3	No	Erosion of Natural Deposits
Inorganic Chemicals – Tested in 2021									
Aluminum (ppm)	1	0.6		ND	<0.10	0.141	ND – 1.1	No	Treatment Process Residue, Natural Deposits
Arsenic (ppb)	10	0.004		<2	ND	ND	ND – 3.7	No	Erosion of Natural Deposits
Barium (ppm)	1	2		ND	0.11	0.11	ND – 0.11	No	Erosion of Natural Deposits
Bromate (ppb)	10	0.1		NR	NR	<1.0	ND – 4.6	No	Byproduct of Drinking Water Ozonation
Chlorine (ppm)	4.0	4		NR	2.1	NR	0.19 – 2.9	No	Drinking water disinfectant added for treatment
Fluoride (ppm) naturally-occurring	2	1		0.47	0.33	NR	ND – 1.6	No	Erosion of Natural Deposits
Fluoride (ppm) treatment-related	Control Range 0.6 – 1.2 ppm Optimal Level 0.7 ppm			NR	NR	0.7	0.6 – 0.9	No	Water Additive for Dental Health
Nitrate (ppm as N)	10	10		1.3	ND	ND	ND – 4.6	No	Fertilizers, Septic Tanks
Nitrate+Nitrite (ppm as N)	10	10		1.3	ND	ND	ND – 4.6	No	Fertilizers, Septic Tanks
Secondary Standards* – Tested in 2021									
Aluminum (ppb)	200*	600		ND	<100	141	ND – 1100	No	Treatment Process Residue, Natural Deposits
Chloride (ppm)	500*	n/a		23	98	86	9.9 – 98	No	Leaching from Natural Deposits; Seawater Influence
Color (color units)	15*	n/a		<3	<3	1	ND – 4	No	Naturally-Occurring Organic Substances
Odor (TON)	3*	n/a		<1	1	2	ND – 4	No	Naturally-Occurring Organic Materials
Manganese (ppb)	50 *	n/a		ND	25	ND	ND – 25	No	Leaching from natural deposits; industrial wastes
Specific Conductance (µmho/cm)	1,600*	n/a		474	973	958	350 – 973	No	Ions in Water; Seawater Influence
Sulfate (ppm)	500*	n/a		47	211	214	3.2 – 215	No	Runoff or Leaching from Natural Deposits
Total Dissolved Solids (ppm)	1,000*	n/a		264	590	597	152 – 597	No	Runoff or Leaching from Natural Deposits
Turbidity (NTU)	5*	n/a		<0.10	0.10	ND	ND – 0.40	No	Erosion of Natural Deposits
Unregulated Contaminants – Tested in 2021									
Alkalinity, Total (ppm as CaCO <sub>3</sub> )	Not Regulated	n/a		148	124	125	66 – 228	n/a	Runoff or Leaching from Natural Deposits
Bicarbonate (ppm as HCO <sub>3</sub> )	Not Regulated	n/a		172	150	NR	80 – 235	n/a	Runoff or Leaching from Natural Deposits
Boron (ppm)	NL = 1	n/a		<0.10	0.13	0.13	ND – 0.21	n/a	Runoff or Leaching from Natural Deposits
Bromide (ppm)	Not Regulated	n/a		<0.10	NR	NR	ND – 0.18	n/a	Runoff or Leaching from Natural Deposits
Calcium (ppm)	Not Regulated	n/a		32	69	66	2.6 – 69	n/a	Runoff or Leaching from Natural Deposits
Carbonate (ppm)	Not Regulated	n/a		2.9	ND	NR	ND – 21	n/a	Runoff or Leaching from Natural Deposits
Chlorate (ppb)	NL = 800	n/a		NR	NR	59	59	n/a	Byproduct of Drinking Water Chlorination
Corrosivity (Aggressiveness)	Not Regulated	n/a		11.9	12.2	12.4	11.0 – 12.6	n/a	Elemental Balance in Water
Corrosivity (Langlier Index)	Not Regulated	n/a		0.20	0.26	0.59	(-)0.76 – 0.93	n/a	Elemental Balance in Water
Hardness, Total (ppm as CaCO <sub>3</sub> )	Not Regulated	n/a		107	276	274	7.6 – 276	n/a	Runoff or Leaching from Natural Deposits
Hardness, Total (grains/gal)	Not Regulated	n/a		6.3	16	16	0.4 – 16	n/a	Runoff or Leaching from Natural Deposits
Hexavalent Chromium (ppb)	Not Regulated	0.02**		<1	ND	ND	ND – 1.9	No	Erosion of Natural Deposits; Industrial Discharge
Magnesium (ppm)	Not Regulated	n/a		6.7	37	25	ND – 37	n/a	Runoff or Leaching from Natural Deposits
Molybdenum (ppb)	Not Regulated	n/a		8.2	4.7	NR	1.6 – 15	n/a	Drinking Water Treatment Chemical for Aesthetic Quality
Perfluoro Octanoic Acid (ppt)	NL = 5.1	n/a		<2	NR	ND	ND – 4.0	n/a	Industrial discharges
pH (pH units)	Not Regulated	n/a		8.1	7.9	8.1	7.7 – 9.0	n/a	Acidity, Hydrogen Ions
Potassium (ppm)	Not Regulated	n/a		1.5	4.9	4.4	0.6 – 4.9	n/a	Runoff or Leaching from Natural Deposits
Sodium (ppm)	Not Regulated	n/a		59	91	94	29 – 121	n/a	Runoff or Leaching from Natural Deposits
Total Organic Carbon (ppm)	TT	n/a		0.72	2.4	2.4	ND – 6.7	TT	Various Natural and Man-Made sources
Vanadium (ppb)	NL = 50	n/a		2.9	ND	ND	ND – 6.7	n/a	Runoff or Leaching from Natural Deposits

Your water has been tested for many more chemicals than are listed above, including metals (such as mercury), pesticides, volatile organics and PFAS compounds. Chemicals not detected in any water sources are not included in the table.

\*Contaminant is regulated by a secondary standard to maintain aesthetic qualities (taste, odor, color).

\*\*There is currently no MCL for hexavalent chromium. The previous MCL of 10 ppb was withdrawn on September 11, 2017.

ppt = parts-per-trillion; ppb = parts-per-billion; ppm = parts-per-million; pCi/L = picoCuries per liter; ND = not detected; n/a = not applicable; NR = not required to be tested; NL = Notification Level; < = average is less than the detection limit for reporting purposes;

MCL = Maximum Contaminant Level; (MCLG) = federal MCL Goal; PHG = California Public Health Goal; µmho/cm = micromho per centimeter;

TT = Treatment Technique; RAA = Highest Running Annual Average; NTU = nephelometric turbidity units

Turbidity – combined filter effluent		Treatment Technique	Turbidity Measurements	TT Violation?	Typical Source of Contaminant
<b>Baker Water Treatment Plant</b>		1) Highest single turbidity measurement	0.1 NTU	No	Soil Run-Off
		2) Percentage of samples less than 0.3 NTU	95%	No	Soil Run-Off
<b>Metropolitan Water District Diemer Filtration Plant</b>		1) Highest single turbidity measurement	0.3 NTU	No	Soil Run-Off
		2) Percentage of samples less than 0.3 NTU	95%	No	Soil Run-Off

Turbidity is a measure of the cloudiness of the water, an indication of particulate matter, some of which might include harmful microorganisms.

Low turbidity in treated surface water is a good indicator of effective filtration. Filtration is called a "treatment technique" (TT).

A treatment technique is a required process intended to reduce the level of contaminants in drinking water that are difficult and sometimes impossible to measure directly.

## Unregulated Chemicals Requiring Monitoring at Entry Points to the Distribution System

Chemical	Notification Level	PHG	Average Local and Imported	Range of Detections	Most Recent Sampling Date
Bromide (ppm)	n/a	n/a	0.20	0.025 – 0.72	2020
Germanium, Total (ppb)	n/a	n/a	<0.3	ND – 0.8	2020
Manganese, Total (ppb)	MCL = 50***	n/a	0.88	ND – 2.7	2020
Total Organic Carbon (ppm)	n/a	n/a	1.2	0.06 – 6.5	2020

\*\*\*Total manganese is regulated with a secondary MCL of 50 ppb to maintain aesthetic quality (color). Total manganese was also included as part of the unregulated chemicals requiring monitoring.

## 2021 Irvine Ranch Water District Distribution System Water Quality

Disinfection Byproducts	MCL (MRDL/MRDLG)	Average Amount	Range of Detections	MCL Violation?	Typical Source of Contaminant
Total Trihalomethanes (ppb)	80	33***	11.6 – 35.4	No	Byproducts of Chlorine Disinfection
Halooacetic Acids (ppb)	60	13***	2.4 – 17.1	No	Byproducts of Chlorine Disinfection
Chlorine Residual (ppm)	(4.0 / 4)	1.8	ND – 5.5	No	Disinfectant Added for Treatment

### Aesthetic Quality

Color (color units)	15*	<3	ND – 60	No	Erosion of Natural Deposits
Turbidity (NTU)	5*	<0.1	ND – 7.2	No	Erosion of Natural Deposits
Odor (threshold odor number)	3*	<1	ND – 60	No	Erosion of Natural Deposits
Other					
Fluoride (mg/L)	2/0.8**	0.54	ND – 0.86	No	Erosion of Natural Deposits, Water Treatment

Twelve locations in the distribution system are tested quarterly for total trihalomethanes and haloacetic acids; 60 locations are tested monthly for color and odor, and weekly for chlorine residual and turbidity.

**MRDL** = Maximum Residual Disinfectant Level; **MRDLG** = Maximum Residual Disinfectant Level Goal

\*Contaminant is regulated by a secondary standard

\*\*MCL/Optimum Level for our climate

\*\*\*Highest running annual average at any individual sample location.

Bacterial Quality	MCL	MCLG	Highest Monthly % Positive Samples	MCL Violation?	Typical Source of Contaminant
Total Coliform Bacteria	5%	0	0.4%	No	Naturally Present in the Environment
Heterotrophic Plate Count Bacteria	5%	n/a	0.3%	No	Naturally Present in the Environment

No more than 5% of the monthly samples may be positive for total coliform bacteria. The occurrence of 2 consecutive total coliform positive samples, one of which contains fecal coliform/*E.coli*, constitutes an acute MCL violation.

A system is in non-compliance if more than 5% of samples collected in a given month have Heterotrophic Plate Counts greater than 500 colony forming units per milliliter and no detectable chlorine residual.

## Lead and Copper Action Levels at Residential Taps

	Action Level (AL)	Public Health Goal (PHG)	90 <sup>th</sup> Percentile Value	Sites Exceeding AL / Number of Sites	AL Violation	Typical Source of Contaminant
Copper (ppm)	1.3	0.3	0.291	0/67	No	Corrosion of Household Plumbing
Lead (ppb)	15	0.2	<5	0/67	No	Corrosion of Household Plumbing

The most recent lead and copper at-the-tap samples were collected from 67 residences in 2019.

Lead was detected in 2 homes and copper was detected in 46 homes, but none of the samples for lead and copper exceeded the respective regulatory Action Level (AL).

A regulatory Action Level is the concentration of a contaminant which, if exceeded in more than 10% of samples, triggers treatment or other requirements that a water system must follow.

No schools requested testing for lead in 2021.

## Unregulated Chemicals Requiring Monitoring in the Distribution System

Chemical	Notification Level	PHG (MCLG)	Average Local and Imported	Range of Detections	Most Recent Sampling Date
Germanium, Total (ppb)	n/a	n/a	0.82	ND – 1.1	2020
Manganese, Total (ppb)	MCL = 50*	n/a	1.6	0.8 – 2.2	2020
Bromochloroacetic Acid (ppb)	n/a	n/a	3.9	1.5 – 13	2019
Bromodichloroacetic Acid (ppb)	n/a	n/a	1.3	0.6 – 3.8	2019
Chlorodibromoacetic Acid (ppb)	n/a	n/a	1.0	0.4 – 2.5	2019
Dibromoacetic Acid (ppb)	n/a	n/a	2.5	0.9 – 7.0	2019
Dichloroacetic Acid (ppb)	n/a	(0)	4.9	1.7 – 25	2019
Monobromoacetic Acid (ppb)	n/a	n/a	0.3	ND – 1.2	2019
Monochloroacetic Acid (ppb)	n/a	(70)	0.2	ND – 3.8	2019
Trichloroacetic Acid (ppb)	n/a	(20)	1.3	ND – 10	2019

\*Contaminant is regulated by a secondary standard

## Chart legend

### What are water quality standards?

Drinking water standards established by U.S. EPA and DDW set limits for substances that may affect consumer health or aesthetic qualities of drinking water. The chart in this report shows the following types of water quality standards:

- **Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible.
- **Maximum Residual Disinfectant Level (MRDL):** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- **Secondary MCLs** are set to protect the odor, taste, and appearance of drinking water.
- **Primary Drinking Water Standard:** MCLs for contaminants that affect health along with their monitoring and reporting requirements and water treatment requirements.
- **Regulatory Action Level (AL):** The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements that a water system must follow.

### What is a water quality goal?

In addition to mandatory water quality standards, U.S. EPA and DDW have set voluntary water quality goals for some contaminants. Water quality goals are often set at such low levels that they are not achievable in practice and are not directly measurable. Nevertheless, these goals provide useful guideposts and direction for water management practices. The chart in this report includes three types of water quality goals:

- **Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by U.S. EPA.
- **Maximum Residual Disinfectant Level Goal (MRDLG):** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- **Public Health Goal (PHG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

### How are contaminants measured?

Water is sampled and tested throughout the year. Contaminants are measured in:

- Parts per million (ppm) or milligrams per liter (mg/L)
- Parts per billion (ppb) or micrograms per liter (µg/L)
- Parts per trillion (ppt) or nanograms per liter (ng/L)



# Source water assessments

## Imported (MWD) water assessment

Every five years, MWD is required by DDW to examine possible sources of drinking water contamination in its State Water Project and Colorado River source waters.

The most recent surveys for MWD's source waters are the Colorado River Watershed Sanitary Survey - 2020 update, and the State Water Project Watershed Sanitary Survey - 2016 update. Both source waters are exposed to stormwater runoff, recreational activities, wastewater discharges, wildlife, fires, and other watershed-related factors that could affect water quality.

Water from the Colorado River is considered to be most vulnerable to contamination from recreation, urban/stormwater runoff, increasing urbanization in the watershed, and wastewater. Water supplies from Northern California's State Water Project are most vulnerable to contamination from urban/stormwater runoff, wildlife, agriculture, recreation, and wastewater.

U.S. EPA also requires MWD to complete one Source Water Assessment that uses information collected in the watershed sanitary surveys. MWD completed its SWA in December 2002. The SWA is used to evaluate the vulnerability of water sources to contamination and helps determine whether more protective measures are needed.

A copy of the most recent summary of either Watershed Sanitary Survey or the SWA can be obtained by calling MWD at 800-CALL-MWD (800-225-5693).



## (IRWD) Baker Water Treatment Plant water assessment

The Baker Water Treatment Plant receives untreated surface water from MWD (see MWD water assessment above) and untreated surface water from Santiago Reservoir. The surface water assessment of Santiago Reservoir is provided by Serrano Water District, which also uses source water from Santiago Reservoir.

The most recent sanitary survey for Santiago Reservoir was updated in 2019. Water supplies from Santiago Reservoir are most vulnerable to septic systems and wildfires. The Source Water Assessment for Santiago Reservoir was completed in April 2001. The assessment was conducted for the Serrano Water District by Boyle Engineering Corporation with assistance from the Serrano Water District staff.

A copy of the complete assessment may be viewed at the IRWD Water Quality Department, 3512 Michelson Drive, Irvine. You may request a summary of the assessment by writing to District Secretary, Irvine Ranch Water District, 15600 Sand Canyon Avenue, Irvine, California 92618.

## Groundwater assessment

An assessment of the groundwater sources in the Lake Forest service area of IRWD was completed in December 2002. This groundwater is considered most vulnerable to contamination from dry cleaners and sewer collection systems.

An assessment of the groundwater sources in the Dyer

Road Well Field was completed in July 2003. This groundwater is considered most vulnerable to contamination from gas stations, historic gas stations, metal plating/finishing/fabrication facilities, military installations and plastics/synthetics producers.

An assessment of the groundwater sources in the Wells 21-22 Desalter Project was completed in May 2009. This groundwater is considered most vulnerable to contamination from sewer collection systems, automobile (gas stations), historic gas stations and underground storage tanks (confirmed leaking tanks).

An assessment of the groundwater sources in the Irvine Desalter Project was completed in March 2006. This groundwater is considered most vulnerable to contamination from crop irrigation and fertilizers.

An assessment of the groundwater source in the Orange Park Acres service area of IRWD was completed in March 2003. This groundwater is considered most vulnerable to contamination from sewer collection systems.

An assessment of the groundwater in the Santiago Canyon service area of IRWD was completed in January 2003. There have been no contaminants detected in the water supply, however the source is still considered vulnerable to contamination from historical mining operations.

Copies of the complete assessments may be viewed at the IRWD Water Quality Department, 3512 Michelson Drive, Irvine. You may request a summary of the assessments by writing to District Secretary, Irvine Ranch Water District, 15600 Sand Canyon Avenue, Irvine, California 92618.



## Statewide drought conditions call for making the most of the water we use — IRWD can help

This is the driest year to date in California, based on records going back 128 years. In response, the governor has urged everyone to do their part to use less water. Irvine Ranch Water District's water supply is in good shape, but water reliability is precariously uncertain in other regions of the state, and we should all pitch in to help.

### Start outdoors

Your yard can be the biggest source of water waste—and offers the greatest opportunity to be more water-efficient. For lots of ideas, visit [IRWD.com/drought](http://IRWD.com/drought). Or (if you are viewing a digital copy of this report) click the links below.



#### Landscape:

- Beautify your yard with water-wise plants
- Read *The Dirt*, IRWD's quarterly electronic gardening newsletter
- Watch The Shed Show



#### Design:

- Check out our helpful tips for landscape design
- Plant a sustainable garden
- Hydrozone



#### Irrigation:

- Types of systems
- Money-saving rebates
- Watering guide



#### Planting tips:

- Planting workshops
- Healthy soil
- Benefits of mulch

### Get water-saving tips customized for your home

Take the guesswork out of saving water with the IRWD WaterInsight Program. Register for free at [IRWD.waterinsight.com](http://IRWD.waterinsight.com) and receive water savings recommendations specific to your household.

## Watch The Shed Show!

Our fun video series helps you make your yard beautiful and water-smart. Episode 1: pollinator gardens. Visit [IRWD.com/ShedShow](http://IRWD.com/ShedShow).

# pipelines

JUNE 2022



Irvine Ranch  
Water District

## Energy leadership keeps water rates low

When it comes to energy, IRWD does what's best for the environment and our customers.

Our Energy and Greenhouse Gas Master Plan outlines strategic measures to promote the use of renewable energy sources and other innovations, which help us keep rates low.

Renewable energy and other energy-saving projects are used throughout our service area, including solar power at our Baker Water Treatment Plant (1MW), at our Sand Canyon Headquarters (100kW), and our Zone 3 reservoir (250kW).



Installation of solar panels on IRWD's Zone 3 Reservoir

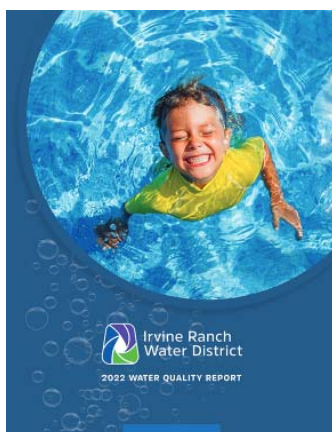
Our Biosolids and Energy Recovery Facility harnesses biogas from the solids treatment process to generate power to run the plant.

And our award-winning Energy Storage Project uses high-efficiency lithium batteries to store and power our facilities when electricity demands and costs are high. This saves money and provides an emergency source of power to support the energy grid—reducing the need for new power plants.

Finally, we track our energy use as a part of our Embedded Energy Plan to identify opportunities for future upgrades: Because efficiency in energy, like in water, can also save money.

## Drink up! 2022 Water Quality Report is here

IRWD meets all the exacting quality standards set by the state and federal government. Visit [IRWD.com/2022WQReport](http://IRWD.com/2022WQReport) to read the new annual Water Quality Report, to be released this month. To request a printed copy, email [info@IRWD.com](mailto:info@IRWD.com) with the subject line "Water Quality Report" or call 949-453-5500.



## Save the date

### Tap Water 101 Workshop

Online webinar

**Wednesday, July 13 • 6 p.m.**

Our Tap Water 101 Workshop is a special opportunity to meet IRWD's water quality experts and ask them questions. Learn about IRWD's testing procedures and participate in opportunities to win a water efficiency kit.

**Sign-up required:**  
[RightScope.com/events](https://RightScope.com/events)

Screen capture of June 2022 Mail Chimp email blast informing customers about the availability of the 2022 IRWD Water Quality Report with link to actual report.

## WATER QUALITY REPORT NOW AVAILABLE

### BE IN THE KNOW.

*Finding out what's in your water is as transparent as water itself.*

The 2022 Water Quality Report is now available. Learn about the measures Irvine Ranch Water District takes to ensure safe, reliable, quality drinking water. Simply visit [IRWD.com/2022WQReport](https://irwd.com/2022WQReport).

To request a printed copy, email [info@irwd.com](mailto:info@irwd.com) with the subject line "Water Quality Report" or call 949-453-5500.

### YOUR WATER AT A GLANCE

- Meets or exceeds all state and federal water quality standards
- 100,000+ water quality analytical results reported annually
- More than 100 sample points throughout the District



[Click here to read the report](#)

Este reporte contiene las instrucciones mas recientes para obtener informacion importante sobre su agua potable. Traducir, o hablar con alguien que lo entienda.



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**Our mailing address is:**

15600 Sand Canyon Ave., Irvine, CA 92619

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Residential customers' postcard, side one

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## Landlord & property managers' postcard, side 2

BE IN THE KNOW.

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ANAHEIM

# Former chamber CEO to enter plea

Todd Ament will agree to guilt and pay restitution up to \$766,000

By Alicia Robinson  
arobinson@scng.com

Former Anaheim Chamber of Commerce CEO Todd Ament has agreed to plead guilty to several counts of fraud and potentially pay restitution of as much as \$766,000, according to a plea agreement filed in federal court by the U.S. Attorney's Office.

Ament was charged last month with making false statements to a financial institution when seeking a loan to buy a second home in Big Bear City in 2020.

But it was an affidavit filed to obtain an arrest warrant that rocked Anaheim City Hall. FBI Special Agent Brian Adkins, using recorded conversations and information from witnesses, laid out allegations in the filing of a self-described "cabal" of business and political figures, with Ament and an unnamed political consultant as its ringleaders, that may have been exerting influence on city officials and actions.

Ament left the chamber

last year but had been a close adviser to former Anaheim Mayor Harry Sidhu, who resigned his seat last month and is the subject of a separate federal investigation. Sidhu has not been charged with any crimes.

Under the proposed plea deal file last week, Ament would admit that he "knowingly devised and participated in a scheme to defraud" a cannabis company; that he lied to obtain a pandemic relief loan and spent the money on personal expenses, including at clothing stores and boat dealers; that he made false statements to a bank to obtain a mortgage; and that he filed false tax returns over several years by significantly underreporting his income, the court filing said.

The agreement also would require Ament to fully cooperate with federal law enforcement and turn over any information requested.

Ament's attorney, Sal Ciuella, could not be reached for comment.

The court documents describe a 2019 scheme in which Ament allegedly solicited a cannabis company and its consultant to pay the chamber \$225,000 to create a task force that would draft rules allowing cannabis sales in Anaheim



MARK RIGHTMIRE—STAFF PHOTOGRAPHER

Former Anaheim Chamber of Commerce CEO Todd Ament, shown in 2011, will plead guilty.

ment, federal authorities also allege that in April 2020 he fraudulently obtained a pandemic small-business loan, saying he needed "working capital" for his consulting business, but actually used the money to pay property taxes and buy clothes and other items for himself.

Both of those allegations are considered wire fraud because they involved wire transfers of money.

The third count in the plea agreement alleges Ament lied about his income when seeking the mortgage, saying bank deposits of \$205,000 were earnings from consulting work rather than a loan to pump up his assets.

The final count to which Ament is expected to plead guilty is filing a false tax return and failing to report more than \$300,000 of income for 2019. The plea agreement alleges he also underreported his income for 2017 and 2018.

Ament could be required to pay various fines and restitution, forfeit any assets he got as a result of the alleged crimes, and serve several years in prison.

U.S. Attorney's Office spokesman Thom Mrozek said Ament is expected to appear in court later this month to enter his plea.

## Position

FROM PAGE 1

with two choices: Appoint a sitting council member to serve in the position until November, when it will be up for election, or stick with the status quo, which includes Mayor Pro Tem Trevor O'Neil fulfilling basic duties such as running council meetings, for six months until voters can fill the seat.

Councilman Jose Moreno said he sees the mayor as someone who speaks on the council's behalf, sets

a tone for the council and staff, and helps the city through difficult times.

"It's to me a fundamental and essential position for a city of our size to fill as urgently as possible," he said the day after the meeting.

After numerous residents suggested he should be appointed mayor given his history of challenging the council majority, Moreno during the meeting nominated himself, but none of his colleagues seconded the proposal. He doesn't support elevating any of the other five council members to the post be-

cause he said they've accepted campaign money from the same powerful interests that allegedly held sway with Sidhu.

Some of the money was funneled to a separate unnamed consulting company, owned by a person described as "co-schemer 1," the consulting company would supposedly handle

the task force, lobbying and related opinion polling. The company then gave "several 'kickback' payments, totaling at least \$41,000" to Ament, the documents said.

When news of Ament's arrest broke last month, current chamber CEO

Laura Cunningham said in a statement that chamber officials were "saddened and angered by these disturbing allegations" and the chamber would "cooperate with any law enforcement inquiries."

In Ament's plea agree-

ment, federal authorities also allege that in April 2020 he fraudulently obtained a pandemic small-business loan, saying he needed "working capital" for his consulting business, but actually used the money to pay property taxes and buy clothes and other items for himself.

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## Lansner

FROM PAGE 1

able ZIPs with 282 sales (9% of all purchases). The high end included seven ZIPs priced at \$2 million or more. Between the top and the bottom were 21 neighborhoods.

April 2021: 26 million-dollar ZIPs with 1,613 transactions (39% of all purchases) and 25 bargain ZIPs with 935 sales (a 22% slice). \$2 million or more: nine ZIPs.

April 2020: 14 seven-figure ZIPs with 365 closings (13%) versus 43 sub-\$750,000 ZIPs with 1,300 purchases (46%). \$2 million or more: five ZIPs.

Why did this happen?

A feeding frenzy was created by cheap loans, few homes for sale and a thirst for larger living spaces and growing investor interest. And this all happened while the econ-

omy recovered from a pandemic chill.

Those factors bumped the countywide median price to \$1.05 million for April — up 21% in one year (that's a \$179,353 gain, or \$14,946 a month).

In the previous 12 months, prices rose 15% (that's \$115,700, or appreciation at a \$9,642 monthly pace).

Let's look at which ZIPs are in Orange County's million-dollar club for April while also looking at the cheapest neighborhoods.

Note that monthly sales data for individual ZIP codes can be volatile, so price trends may reflect a different mix of homes sold — not changing values.

(Data for all Orange County ZIPs can be found at [bit.ly/aprilpricingoc](https://bit.ly/aprilpricingoc).)

### New to the club

These ZIP codes in the latest million-dollar club

were not a member back in April 2021 ...

Brea 92823: \$1.42 million — up 90%.

Costa Mesa 92627: \$1.29 million — up 37%.

Foothill Ranch 92610: \$1.28 million — up 68%.

Tustin 92782: \$1.28 million — up 48%.

Huntington Beach 92646: \$1.25 million — up 44%.

Costa Mesa 92626: \$1.25 million — up 33%.

Ladera Ranch 92694: \$1.2 million — up 36%.

Irvine 92604: \$1.17 million — up 30%.

Orange 92867: \$1.16 million — up 28%.

Huntington Beach 92647: \$1.15 million — up 37%.

Irvine 92606: \$1.14 million — up 20%.

Brea 92821: \$1.06 million — up 34%.

Lake Forest 92630: \$1.06 million — up 21%.

Irvine 92614: \$1.06 million — up 33%.

Fountain Valley 92708:

\$1.05 million — up 15%.

Laguna Hills 92653: \$1.04 million — up 6%.

Orange 92869: \$1.04 million — up 14%.

Mission Viejo 92691: \$1.02 million — up 23%.

Fullerton 92835: \$1.01 million — up 26%.

Anaheim 92808: \$1.01 million — up 6%.

### Still members

Seven-figure ZIP codes that were club members back in April 2021 ...

Newport Beach 92661: \$4.55 million — up 32%.

Newport Beach 92662: \$4.43 million — unchanged in 12 months.

Corona del Mar 92625: \$3.81 million — up 42%.

Newport Coast 92657: \$3.8 million — up 15%.

Irvine 92603: \$2.85 million — up 20%.

Laguna Beach 92651: \$2.75 million — up 18%.

Newport Beach 92660: \$2.68 million — up 20%.

Villa Park 92861: \$2.18 million — up 25%.

Dana Point 92624: \$1.83 million — up 12%.

Irvine 92602: \$1.82 million — up 24%.

San Clemente 92672: \$1.8 million — up 61%.

Newport Beach 92663: \$1.64 million — off 2%.

Trabuco/Coto 92679: \$1.63 million — up 39%.

San Juan Capistrano 92675: \$1.59 million — up 35%.

Irvine 92620: \$1.53 million — up 49%.

San Clemente 92673: \$1.52 million — up 28%.

Santa Ana 92705: \$1.51 million — up 26%.

Yorba Linda 92887: \$1.48 million — up 39%.

Los Alamitos 90720: \$1.42 million — up 18%.

Dana Point 92629: \$1.4 million — up 14%.

Irvine 92618: \$1.39 million — up 30%.

Huntington Beach 92648: \$1.34 million — up 3%.

Seal Beach 90740: \$1.3 million — off 7%.

Laguna Niguel 92677:

\$1.2 million — up 10%.

Yorba Linda 92886: \$1.2 million — up 20%.

Huntington Beach 92649: \$1.1 million — off 6%.

### OC bargains

Orange County's sub-\$750,000 ZIP codes in 2021 ...

Garden Grove 92843: \$725,000 — up 10%.

Santa Ana 92703: \$705,000 — up 12%.

Santa Ana 92704: \$700,000 — up 27%.

Hunta Ana 92707: \$670,000 — up 17%.

Santa Ana 92701: \$625,000 — up 97%.

Orange 92868: \$620,000 — off 15%.

Stanton 90680: \$592,500 — up 1%.

Laguna Woods 92637: \$456,250 — up 9%.

*Jonathan Lansner is the business columnist for the Southern California News Group. He can be reached at [jlansner@scng.com](mailto:jlansner@scng.com).*

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To request a printed copy, email [info@IRWD.com](mailto:info@IRWD.com) with the subject line "Water Quality Report" or call 949-453-5500.



ORANGE COUNTY  
REGISTER



## Give your heart to a pet in need!



Sponsored By:  
Your Name and Text Here

### Pet Adoption Section. Publishing Monday, June 27, 2022

For only \$20 you can Sponsor a photo of a pet in a local shelter. The photo will appear in our next Pet Adoption section. The goal of sponsoring is to find all sponsored pets a loving home.

Email [mgarcia@scng.com](mailto:mgarcia@scng.com) with the information on this form and we will contact you for processing.

Deadline: Friday, June 17, 2022 • \$20 per pet sponsorship

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Address: \_\_\_\_\_ Number of Sponsorships: \_\_\_\_\_  
City: \_\_\_\_\_ Total Amount: \_\_\_\_\_  
State/Zip: \_\_\_\_\_ Sponsored By: \_\_\_\_\_

For more information or to place sponsorship over the phone call 714-796-6723



GRADUATION 2022

# COSTA MESA HIGH SCHOOL

By Heather McRea  
hmcree@scng.com

Costa Mesa High handed diplomas to its graduating class June 9.

The commencement featured cheering families and smiling grads as the seniors marked the end of their high school careers and the beginning of their futures.



PHOTOS BY JEFF GRITCHEN — STAFF PHOTOGRAPHER

Vi Tuong Nguyen, center, hugs classmates after Costa Mesa High School's graduation ceremony in Costa Mesa on June 9.



Classmates walk down Arlington Drive after commencement.



Costa Mesa High graduates walk.



Daniel Uribe Ramirez reacts after getting his diploma.



Graduates are all smiles after receiving diplomas.



Julissa Garibay does a happy dance.

## DUNN DEAL

# Irrelevant Week carries on in first year without founder

Among the past Mr. Irrelevant selections, some have become more relevant than others in the NFL with All-Pro and even Super Bowl accolades, such as kicker Ryan Succop of the Tampa Bay Buccaneers.



**Richard Dunn**  
Contributing Columnist

In the long and distinguished history of Irrelevant Week, which celebrates the final pick of the NFL draft in Newport Beach every June, honorees have achieved breakthrough status by carrying the football for positive yards in an NFL game, or catching a pass or making

a tackle.

But no Mr. Irrelevant ever has thrown a pass in an NFL game.

This year's honoree, Iowa State quarterback Brock Purdy, is hoping to change that.

Purdy, taken 262nd overall and dead last in the 2022 NFL draft by the San Francisco 49ers to become Mr. Irrelevant XLVII, will be roasted, toasted and honored Monday at Irrelevant Week's signature event, the All-Star Lowsman Trophy banquet at The Cannery Restaurant in Newport Beach.

Lakers broadcaster John Ireland, a Corona del Mar High product, will serve as emcee and host of the Lowsman Trophy banquet at the classic waterfront

location, where last year's Mr. Irrelevant, Grant Stuard of the Buccaneers, arrived on an old pirate ship — something you would see straight out of "Pirates of the Caribbean."

Every year, Irrelevant Week CEO Melanie Fitch creates a theme designed for the team that drafted Mr. Irrelevant, as well as the honoree's likes, tastes and circumstances. Fitch is the daughter of the late Paul Salata, founder of Irrelevant Week.

Fitch announces the final pick of the NFL draft at the podium (and televised live by ESPN), a duty she assumed from her father in 2014, when he stopped traveling.

Along with getting the Lowsman Trophy banquet,

Mr. Irrelevant is showered with gifts and proclamations at parties and often participates in surfing lessons, a sailing excursion, golf, a cruise around Newport Harbor and media appearances in Los Angeles.

At the Lowsman banquet, Mr. Irrelevant is awarded the Lowsman Trophy, a so-called cousin to the Heisman Trophy. The Lowsman Trophy is a replica of the Heisman, but the bronze player is fumbling the ball.

Salata established Irrelevant Week's main event for gags and giggles, but Irrelevant Week has also raised more than \$1 million for Orange County charities.

In addition to Succop, who has earned All-Pro

honors and played in the Super Bowl, recent Mr. Irrelevants have become more relevant on the field. Case in point: Stuard, a linebacker, played in all 17 games for Tampa Bay last year, making 15 tackles with a forced fumble; the 2020 honoree, New York Giants linebacker Tae Crowder, started six games as a rookie and started all 17 games last season with 130 tackles and two interceptions.

Yet they're given a trophy with a stumbling, bumbling football player dropping the ball.

When Irrelevant Week started in 1976, there were almost twice as many rounds in the draft and the last pick was considered a long shot to make a

team. Salata, a champion of the underdog, started the event in the spirit of "doing something nice for someone for no reason."

Salata, a former NFL player and Hollywood actor, is a longtime funnyman who served as Irrelevant Week's emcee for decades. A USC graduate and former Trojans football player, Salata earned side money in his younger years as an emcee and speaker at chic L.A. fundraisers.

Also a former professional baseball player, Salata made a fortune in the sewer pipes, sand and gravel business after his acting career and became one of Orange County's most colorful philanthropists.

## Lansner

FROM PAGE 1

versus 43 sub-\$750,000 ZIPs with 1,300 purchases (46%). \$2 million or more: five ZIPs.

Why did this happen?

A feeding frenzy was created by cheap loans, few homes for sale and a thirst for larger living spaces and growing investor interest. And this all happened while the economy recovered from a pandemic chill.

Those factors bumped the countywide median price to \$1.05 million for April — up 21% in one year (that's a \$179,353 gain, or \$14,946 a month). In the previous 12 months, prices rose 15% (that's \$115,700, or appreciation at a \$9,642 monthly pace).

Let's look at which ZIPs are in Orange County's million-dollar club for April while also looking at the cheapest neighborhoods.

Note that monthly sales data for individual ZIP codes can be volatile, so price trends may reflect a different mix of homes sold — not changing values. (Data for all Orange County ZIPs can be found at [bit.ly/aprilpricingoc](https://bit.ly/aprilpricingoc).)

### New to the club

These ZIP codes in the latest million-dollar club were not a member back in April 2021 ...

Brea 92823: \$1.42 million — up 90%.

Costa Mesa 92627: \$1.29 million — up 37%.

Foothill Ranch 92610:

\$1.28 million — up 68%.

Tustin 92782: \$1.28 million — up 48%.

Huntington Beach 92646: \$1.25 million — up 44%.

Costa Mesa 92626: \$1.25 million — up 33%.

Ladera Ranch 92694: \$1.2 million — up 36%.

Irvine 92604: \$1.17 million — up 30%.

Orange 92867: \$1.16 million — up 28%.

Huntington Beach 92647: \$1.15 million — up 37%.

Irvine 92606: \$1.14 million — up 20%.

Brea 92821: \$1.06 million — up 34%.

Lake Forest 92630: \$1.06 million — up 21%.

Irvine 92614: \$1.06 million — up 33%.

Fountain Valley 92708: \$1.05 million — up 15%.

Laguna Hills 92653: \$1.04 million — up 6%.

Orange 92869: \$1.04 million — up 14%.

Mission Viejo 92691: \$1.02 million — up 23%.

Fullerton 92835: \$1.01 million — up 26%.

Anaheim 92808: \$1.01 million — up 6%.

### Still members

Seven-figure ZIP codes that were club members back in April 2021 ...

Newport Beach 92661: \$4.55 million — up 32%.

Newport Beach 92662: \$4.43 million — unchanged in 12 months.

Corona del Mar 92625: \$3.81 million — up 42%.

Newport Coast 92657: \$3.8 million — up 15%.

Irvine 92603: \$2.85 million — up 20%.

Laguna Beach 92651: \$2.75 million — up 18%.

Newport Beach 92660: \$2.68 million — up 20%.

Villa Park 92861: \$2.18 million — up 25%.

Dana Point 92624: \$1.83 million — up 12%.

Irvine 92602: \$1.82 million — up 24%.

San Clemente 92672: \$1.8 million — up 61%.

Newport Beach 92663: \$1.64 million — off 2%.

Trabuco/Coto 92679: \$1.63 million — up 39%.

San Juan Capistrano 92675: \$1.59 million — up 35%.

Irvine 92620: \$1.53 million — up 49%.

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THE ORANGE COUNTY  
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San Clemente 92673: \$1.52 million — up 28%.

Santa Ana 92705: \$1.51 million — up 26%.

Yorba Linda 92887: \$1.48 million — up 39%.

Los Alamitos 90720: \$1.42 million — up 18%.

Dana Point 92629: \$1.4 million — up 14%.

Irvine 92618: \$1.39 million — up 30%.

Huntington Beach 92648: \$1.34 million — up 3%.

Seal Beach 90740: \$1.3 million — off 7%.

Laguna Niguel 92677: \$1.2 million — up 10%.

Yorba Linda 92886: \$1.2 million — up 20%.

Huntington Beach 92649: \$1.1 million — off 6%.

**OC bargains**

Orange County's sub-\$750,000 ZIP codes in 2021 ...

Garden Grove 92843: \$725,000 — up 10%.

Santa Ana 92703: \$705,000 — up 12%.

Santa Ana 92704:

\$700,000 — up 27%.

Santa Ana 92707: \$670,000 — up 17%.

Santa Ana 92701: \$625,000 — up 97%.

Orange 92868: \$620,000 — off 15%.

Stanton 90680: \$592,500 — up 1%.

Laguna Woods 92637: \$456,250 — up 9%.

*Jonathan Lansner is the business columnist for the Southern California News Group. He can be reached at [jlansner@scng.com](mailto:jlansner@scng.com).*

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SILVERADO CANYON

# OC Rescue Mission gets help on new working ranch

By Lou Ponsi  
Correspondent

Close to 300 volunteers spent a day painting, building and planting on 35 acres of hilly, fertile earth tucked in Silverado Canyon. The workers were converting the onetime site of a monastery into a respite for formerly homeless men, women and families. The Orange County Rescue Mission, a faith-based nonprofit based in Tustin that provides a variety of services to its clients, many of whom are military veterans, purchased the property to be the new home of its Double R Ranch. The new location will replace the rescue mission's 142-acre ranch in Warner Springs in northern San Diego County.

When completed later this year, the working ranch will house up to 141 men and offer equestrian therapy, life skills education, job training, counseling and case management. The campus also will provide additional services and programs for homeless women and children living at the nonprofit's other campuses, as well as veterans. "To bring people back out to nature and actually have to learn how to do things is such a powerful tool in their recovery," OC Rescue Mission President Jim Palmer said. "We've been wanting to do this for a while. [The Warner Springs location] is too much of a distance to use it for Orange County." The rescue mission purchased the Silverado Can-

yon location from St. Michael's Abbey, which operated a monastery at the property for 60 years. St. Michael's Abbey has built a new home for its Norbertine Order priests about 8 miles away on a 327-acre former ranch on Silverado Canyon Road. Volunteers spent the day cutting back brush and doing landscaping to help prevent fires, painting structures, building fencing and constructing a barn, chicken coop and an outdoor gathering area. Alan Wood, 57, a resident of the rescue mission's Veterans Outpost in Tustin, was among 50 veterans volunteering during last week's work day. Struggling with depression and homelessness, Wood said he made his way

to the rescue mission after being helped by an Orange County Sheriff's Department homeless outreach officer. "It only feels right to give back," Wood said of taking the day off from his job as a courier to volunteer. "This is going to be a lot for the next guy. That is what helping is. It is helping someone that you don't know in the future to make their life easier on their transitional period from being a homeless veteran to be a productive member of society." Wood served six years with the 2nd Battalion, 2nd Marine Regiment at Camp Lejeune in North Carolina before being discharged in 1989. Volunteer Luke Hudson, who also lives at the Veterans Outpost, served in the

Marines from 2004 to 2008, including a tour in Iraq in 2005. A native of Oklahoma, Hudson said he became addicted to heroin and methamphetamine, winding up in the Orange County Jail. He reached out to the veterans organization, which helped him get into a rehab facility. Hudson took a day off from his job working on classic cars to volunteer at the ranch and "give back." "What I've been freely given by my God and this program is to be able to be present in my own life and be of service to other people and when I am asked to be of service in any capacity, and I'm able to do it, I show up," Hudson said. "Because that is what I am able to do today."

The work on helping prepare the Double R Ranch was organized and funded by the Home Depot Foundation, the company's nonprofit arm that serves several veterans causes. Most of the volunteers were Home Depot employees or partners of the foundation, said Gabriel Sneller, projects manager for foundation. Between materials and labor, Sneller estimates that the Double R project cost about \$500,000. "We heard what they were doing for formerly homeless veterans and it aligned perfectly with the mission of the Home Depot Foundation," Sneller said. "One of the pillars of our foundation is to give back to veterans and improve the community."

REAL ESTATE

## Median home price passes \$1M in 20 more OC ZIP codes

The pandemic's home-buying binge has boosted the number of million-dollar Orange County neighborhoods by 20 in a year — and 32 over 24 months — as the market lost 17 affordable communities in 12 months and 35 since April 2020. April homebuying stats from DQNews/CoreLogic for 83 Orange County ZIP codes indicate how home pricing has changed in the past two years. Expensive ZIPs had a median sales price of \$1 million, and higher and affordable neighborhoods had medians of \$750,000 or below. As recently as May 2020, \$750,000 bought you a median-priced Orange County home. Now that median



Jonathan Lansner  
Columnist

stands at \$1.05 million. Let's look at how the ranks of expensive and affordable communities have changed ... April: 46 seven-figure ZIPs with 1,604 sales (53% of all purchases) and eight affordable ZIPs with 184 sales (6% of all purchases). The high end included right ZIPs priced at \$2 million or more. March: 45 seven-figure ZIPs with 1,688 sales (53% of all purchases) and 10 affordable ZIPs with 282 sales (9% of all purchases). The high end included seven ZIPs priced at \$2 million or more. Between the top and the bottom were 21 neighborhoods. April 2021: 26 million-dollar ZIPs with 1,613 transactions (39% of all purchases) and 25 bargain ZIPs with 935 sales (a 22% slice). \$2 million or more: nine ZIPs. April 2020: 14 seven-figure

ZIPs with 365 closings (13%) versus 43 sub-\$750,000 ZIPs with 1,300 purchases (46%). \$2 million or more: five ZIPs. Why did this happen? A feeding frenzy was created by cheap loans, few homes for sale and a thirst for larger living spaces and growing investor interest. And this all happened while the economy recovered from a pandemic chill. Those factors bumped the countywide median price to \$1.05 million for April — up 21% in one year (that's a \$179,353 gain, or \$14,946 a month). In the previous 12 months, prices rose 15% (that's \$115,700, or appreciation at a \$9,642 monthly pace). Let's look at which ZIPs are in Orange County's million-dollar club for April while also looking at the cheapest neighborhoods. Note that monthly sales data for individual ZIP

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lion — up 28%. Huntington Beach 92647: \$1.15 million — up 37%. Irvine 92606: \$1.14 million — up 20%. Brea 92821: \$1.06 million — up 34%. Lake Forest 92630: \$1.06 million — up 21%. Irvine 92614: \$1.06 million — up 33%. Fountain Valley 92708: \$1.05 million — up 15%. Laguna Hills 92653: \$1.04 million — up 6%. Orange 92869: \$1.04 million — up 14%. Mission Viejo 92691: \$1.02 million — up 23%. Still members Seven-figure ZIP codes that were club members back in April 2021 ... Newport Beach 92661: \$4.55 million — up 32%. Newport Beach 92662: \$4.43 million — unchanged in 12 months. Corona del Mar 92625:

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## Today's crossword puzzle

ACROSS

1 Zodiac member

6 Fleece

11 Mensa data

14 Beau

15 To the point

16 Rapa — (Easter Island)

17 Busybody

18 Prime-time hour

19 Telegraph signal

20 All mammals have it

22 Sharp, as hearing

24 Rainwater catcher

28 False names

30 Hormel competitor

31 Whiff

32 Jockey's brake

33 Emphasizing

37 Toronto's prov.

38 Downhill racer

39 "La — en Rose"

40 Conducts

43 "Hare Krishna," e.g.

45 Black-tie affairs

46 Kind of pig

47 Rubbing alcohol

50 Japan, e.g. (2 wds.)

51 Dijon darling

52 Bathroom fixtures

53 Afire

54 Below par car

57 Spanish resort island

62 FBI man

63 Highlands title

64 Microwaved

65 Quaker pronoun

66 Bee and Polly

67 Gold fever

DOWN

1 Road "beetles"

2 Charged particle

3 Outback jumper

4 Earth, in combos

5 Lover of Eurydice

6 Mug

7 Next in line

8 Joule fraction

9 Volcanic dust

10 Keeps

11 River of India

12 Very

13 Where things are

21 SFO posting

23 Leopards and tigers

24 Imitation chocolate

25 Castle that danced

26 Anvil user

27 Heavy weight

PREVIOUS PUZZLE SOLVED

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A D E S T A R T O U T

A R A B S B E I G E T R Y

N U B S B R I N E S I L K

T I E S L U N G J E S S E

I N D I C A T E R A T

N A D A H U B T E D

F L A N N E L E M B A R G O

R O M A N I D A E L E G Y

A B A T E T A P R A V E L

U S H E R Y D S S N I D E

28 Field units

29 Suggestive look

31 Moves a little

33 Olaf's toast

34 Onetime Trump

35 Dressed to the —

36 Insinuate (2 wds.)

38 Granary, often

41 Microbiology gel

42 Kind of bean

43 Jinxing

44 Scurry along

46 Chitchat

47 Brilliance

48 Hip-knee link

49 "Witch of Wall St." Green

50 Backs financially

52 Civil wrong

55 — de cologne

56 Andy Gump's wife

58 Prickly husk (var.)

59 Presidential nickname

60 Last letter

61 Explain further

6-16-22

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Want more puzzles?

Check out the "Just Right Crossword Puzzles" books at QuillDriverBooks.com

ADOPTABLE DOG

Given up by owner, 132-pound Atlas is looking for another chance at love

Breed: German shepherd

Age: 9 years

Size: 132 pounds

Atlas' story:

Atlas lost his home when his owner be- came ill and no longer could care for him. He was taken to Mission Viejo Animal Services Center, where ev- eryone loves him. He's big, but he's just a gentle giant. His owner saved him from euthanasia at a shelter, and now Atlas is looking for one more chance at a lov- ing home. He would prefer to be the only dog in the home. He adores car rides and could use some exer- cise to trim up and perhaps lose a bit of weight.

Adoption fee:

Atlas has been at the shelter longer than most of the other dogs there, so his adoption fee is being sponsored by Dedicated Animal Welfare Group and will be only \$20 to his adopter (for his microchip).

Adoption procedure:

Application and screening of potential adopters are required to ensure they are the right fit for Atlas. Visit Atlas at the Mission Viejo Animal Services Center, 28095 Hillcrest, Mission Viejo; call 949-470-3045;



MISSION VIEJO ANIMAL SERVICES CENTER

Nine-year-old Atlas needs a little exercise to stay fit.

or email ask-shelter@ cityofmissionviejo.org. More information on Atlas and other dogs in need of homes can be found at cityofmissionviejo.org/de- partments/animal-services.

— Maryanne Dell

ADOPTABLE CAT

Timber speaks the language of love

Breed: Domestic shorthair

Age: 1 year

Gender: Spayed female

Timber's story:

Timber is a sweet, loving girl with the most beautiful white and tabby-striped markings. She can be shy at first, but once she gets used to her surroundings and fam- ily, she is a big love bug. When you get home, she'll greet you with lots of noise (telling you everything that happened while you were gone). She gets along great with other cats, children and adults. She will make a wonderful addition to your home.

Adoption fee:

\$225; it provides spay, FVRCP vaccines, FIV/FelV test, microchip, and worm and

Adoption procedure:

DREAM Animal Rescue's adoption process includes an application, home visit,



DREAM ANIMAL RESCUE

Affectionate Timber has so much to tell you.

adoption fee and adoption contract. Complete the res- cue's adoption application at dreamanimalrescue.org.

— Maryanne Dell

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