EAST BAY MUNICIPAL UTILITY DISTRICT 2012 ANNUAL WATER QUALITY REPORT

In 2012, EBMUD water met or surpassed every public health requirement set by the California Department of Public Health and the U.S. Environmental Protection Agency.

PROTECTED SOURCE

EBMUD provides high-quality drinking water to 1.3 million customers in Alameda and Contra Costa counties. Ninety percent of EBMUD's water comes from the 578-square mile watershed of the Mokelumne River on the western slope of the Sierra Nevada. This area is mostly national forest, EBMUDowned lands and other undeveloped lands little affected by human activity.

The Mokelumne watershed collects snowmelt from Alpine, Amador and Calaveras counties. The snowmelt flows into Pardee Reservoir near the town of Valley Springs.

Three large aqueducts carry water more than 90 miles from Pardee Reservoir to the East Bay and protect it from pesticides, agricultural and urban runoff, municipal sewage and industrial discharges. When water demand is high or during times of operational need, EBMUD also draws water from protected local watersheds.

FOCUS ON WATER QUALITY

Regardless of source, all raw water is treated and filtered at one of EBMUD's water treatment plants before entering the East Bay's distribution system and reaching your tap. EBMUD's water treatment plants are capable of filtering and processing a combined total of more than 425 million gallons of water daily.

EBMUD takes many steps to ensure water quality including managing watershed lands and reservoirs, treating the water, operating a complex distribution system, maintaining facilities and addressing customer concerns.

In laboratories and in the field, EBMUD samples and tests your water extensively to ensure it is safe to drink. We look for more than 100 substances in the water including microorganisms, pesticides, herbicides, asbestos, lead, copper, petroleum products and by-products of industrial and water treatment processes. More than 20,000 annual laboratory tests ensure the safety of your drinking water.



WATER QUALITY REGULATIONS

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The CDPH regulations also establish limits for contaminants in bottled water.

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 is available from the USEPA's Safe Drinking Water Hotline at 800-426-4791 or online at www.epa.gov/safewater.

Contaminants in drinking water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

Microbial contaminants, such as viruses, bacteria and protozoa, such as *Cryptosporidium*, that may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.

Inorganic contaminants, such as salts and metals, that can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.

Synthetic organic contaminants, such as pesticides and herbicides that may come from a variety of sources, including agriculture, urban storm water and residential uses.

Volatile organic chemical contaminants from industrial processes and petroleum production, and from gas stations, urban storm water runoff, agricultural application and septic systems.

Radioactive contaminants that can be naturally occurring or be the result of oil and gas production and mining activities.

Cryptosporidium

Cryptosporidium is a microbial contaminant found in surface water throughout the United States. Although filtration is highly effective in removing *Cryptosporidium*, the most commonly used filtration methods cannot guarantee 100 percent removal.

Our monitoring indicates the presence of these organisms in one of our source waters. Current test methods cannot determine if the organisms are dead or are capable of causing disease. Ingestion of *Cryptosporidium* may cause abdominal infection with symptoms including nausea, diarrhea and abdominal cramps.

Cryptosporidium must be ingested to cause disease, and it may be spread through means other than drinking water. Most healthy individuals can overcome the disease within a few weeks. However, immuno-compromised people, infants and small children, and the elderly are at greater risk of developing life-threatening illness. We encourage these individuals to consult their physician regarding appropriate precautions to take to avoid infection.



Low resistance

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, and some elderly and infants can be particularly at risk from infections.

These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the USEPA Safe Drinking Water Hotline at 800-426-4791 or www.epa.gov/safewater.

Lead

If present, elevated levels of lead can cause serious health problems. Pregnant women, infants and young children are typically more vulnerable to lead in drinking water than the general population.

Lead in drinking water is primarily from materials and components associated with lead service lines and home plumbing. EBMUD is responsible for providing high-quality drinking water and has replaced all known lead service lines in its service area, but cannot control the variety of materials used in existing home plumbing components. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing.

If you are concerned about elevated lead levels in your home's water, or if your water has been sitting for several hours, you can minimize the potential for lead exposure by running your faucet for 30 seconds to 2 minutes before using water for drinking or cooking. You also may wish to have your water tested.

Information on lead in drinking water, testing methods and steps you can take to minimize exposure is available from the USEPA Safe Drinking Water Hotline at 800-426-4791 or online at www.epa.gov/safewater/lead.

EBMUD 2012 ANNUAL WATER QUALITY REPORT

SURPASSING	REGULATIONS
3011171351110	

In 2012, EBMUD water met or surpassed every public health requirement set by the California Department of Public Health and the U.S. Environmental Protection Agency.

The five tables show the measured levels of constituents detected in 2012 or in the most recent required year at EBMUD source waters, water treatment plants or in the distribution system.

Table 1 – Health-Related Standards

These constituents with primary maximum contaminant levels (MCLs) are regulated to protect your health.

Table 2 – Aesthetic Standards

These constituents with secondary maximum contaminant levels (MCLs) are regulated to maintain aesthetic standards for drinking water, such as odor, taste and appearance.

Table 3 – Unregulated constituents

Water agencies are required to report these substances if detected, but no maximum contaminant levels have been established.

Table 4 – Lead and copper

Lead and copper are regulated at the customer's tap and were most recently sampled in 2011 as required.

Table 5 – Other water quality parameters

These water measurements, such as pH, hardness and alkalinity, may be of interest to some consumers.

KEY TERMS

- **DBP** Disinfection by-products. These are formed when chlorine and/or ozone reacts with natural constituents in water. Trihalomethanes (THMs), haloacetic acids (HAAs) and bromate are disinfection by-products.
- MCL Maximum contaminant level. 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. Secondary MCLs are set to protect odor, taste and appearance of drinking water.
- MCLG Maximum contaminant level goal. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency.
- MRDL Maximum residual disinfectant level. 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.
- MRDLG Maximum residual disinfectant level goal. 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.
- Notification level A health-based advisory level established by the California Department of Public Health for chemicals in drinking water that lack MCLs.
- Primary drinking water standard These standards regulate contaminants that affect health by setting MCLs and MRDLs along with their monitoring, reporting and water treatment requirements.
- PHG Public health goal. The level of a contaminant in drinking water below which there is no known or expected risk to health. Public health goals are set by the California **Environmental Protection Agency.**

Constituents with primary MCLs	Unit	Year sampled	MCL or [MRDL]	PHG, (MCLG) or [MRDLG]	System Average	Walnut Creek	Wa Lafayette	ter treatment pla Orinda	nts Sobrante	Upper San Leandro	Typical sources
Cryptosporidium in source water	#/liter	2008	TT	(0)	NA	0	0	0	0.3	0	Naturally present in the environment
Total Coliform	_	2012	5%	(0)	NA		0.3% was highes	st percentage four	nd in any month		Naturally present in the environment
Turbidity	NTU	2012	1	NA	0.03	0.02 - 0.10	0.02 - 0.10	0.02 - 0.10	0.03 - 0.10	0.04 - 0.10	Soil runoff
			95% ≤0.3	NA	100%	100%	100%	100%	100%	100%	
Gross alpha in source water "	pCi/L	2006, 2007	15	(0)	<3	<3	<3	<3	<3 - 11	<3	Erosion of natural deposits
Gross beta in source water	pCi/L	2006, 2007	50 ^b	(0)	<4	<4	<4	<4	<4 – 9	<4	Decay of natural and man-made deposits
² Uranium in source water ^a	pCi/L	2006, 2007	20	0.43	NA	<1	<1	<1	<1	<1	Erosion of natural deposits
Aluminum	ppb	2012	1000	600	<50	<50	<50	<50	<50 - 53	<50 - 64	Erosion of natural deposits; water treatment residue
Chloramine as Cl ₂	ppm	2012	[4]	[4]	1.9 ^c			<0.05 – 3.1 ^d			Drinking water disinfectant added for treatment
Fluoride in treated water ^e	ppm	2012	2	1	0.9	0.8 – 1.0				Erosion of natural deposits; water additive ^e	
Control of DBP precursors/TOC	_	2012	TT	NA	NA	NA	NA	NA	met req.	met req.	Various natural and man-made sources
Haloacetic acids, 5 species	ppb	2012	60	NA	22 ^c	15 – 24	19 – 22	15 – 30	18 – 33	12 – 24	By-product of drinking water chlorination
Trihalomethanes	ppb	2012	80	NA	40 ^c	25 – 47	32 – 42	31 – 53	29 – 66	30 - 43	By-product of drinking water chlorination
Constituents with secondary MCLs	Unit	Year sampled	MCL	PHG	System Average	Walnut Creek	Wa Lafayette	ter treatment pla Orinda	nts Sobrante	Upper San Leandro	Typical sources
Constituents with secondary MCLs	Unit ppb	Year sampled 2012	MCL 200	Phg NA	System Average <50	Walnut Creek	Wa Lafayette <50	ter treatment pla Orinda <50	nts Sobrante <50 – 53	Upper San Leandro <50 – 64	Typical sources Erosion of natural deposits; water treatment residue
Constituents with secondary MCLs Aluminum Chloride	Unit ppb ppm	Year sampled 2012 2012	MCL 200 250	PHG NA NA	System Average <50 9	Walnut Creek <50 4 – 5	Wa Lafayette <50 4 – 5	ter treatment plan Orinda <50 4 – 6	nts Sobrante <50 – 53 15 – 17	Upper San Leandro <50 – 64 16 – 18	Typical sources Erosion of natural deposits; water treatment residue Runoff/leaching from natural deposits
Constituents with secondary MCLs Aluminum Chloride Color	Unit ppb ppm color units	Year sampled 2012 2012 2012 2012	MCL 200 250 15	PHG NA NA NA	System Average <50 9 2	Walnut Creek <50 4 – 5 2	Wa Lafayette <50 4 - 5 2	ter treatment plan Orinda <50 4 – 6 1 – 2	nts Sobrante <50 – 53 15 – 17 1	Upper San Leandro <50 - 64 16 - 18 3	Typical sources Erosion of natural deposits; water treatment residue Runoff/leaching from natural deposits Naturally-occuring organic materials
2 Constituents with secondary MCLs Aluminum Chloride Color Foaming agents (MBAS)	Unit ppb ppm color units ppb	Year sampled 2012 2012 2012 2012 2012	MCL 200 250 15 500	PHG NA NA NA NA	System Average <50 9 2 <50	Walnut Creek <50 4 - 5 2 <50	Wa Lafayette <50 4 - 5 2 81	ter treatment plat Orinda <50 4 – 6 1 – 2 <50	nts Sobrante <50 – 53 15 – 17 1 <50	Upper San Leandro <50 - 64 16 - 18 3 <50	Typical sources Erosion of natural deposits; water treatment residue Runoff/leaching from natural deposits Naturally-occuring organic materials Municipal and industrial waste discharges
Constituents with secondary MCLs Aluminum Chloride Color Foaming agents (MBAS) Manganese	Unit ppb ppm color units ppb ppb	Year sampled 2012 2012 2012 2012 2012 2012	MCL 200 250 15 500 50	PHG NA NA NA NA NA	System Average <50	Walnut Creek <50 4 – 5 2 <50 <20	Wa Lafayette <50 4-5 2 81 <20	ter treatment plan Orinda <50 4 – 6 1 – 2 <50 <20	nts Sobrante <50 – 53 15 – 17 1 <50 <20	Upper San Leandro <50 - 64 16 - 18 3 <50 <20 - 31	Typical sources Erosion of natural deposits; water treatment residue Runoff/leaching from natural deposits Naturally-occuring organic materials Municipal and industrial waste discharges Leaching from natural deposits
Constituents with secondary MCLsAluminumChlorideColorFoaming agents (MBAS)ManganeseOdor	Unit ppb ppm color units ppb ppb TON	Year sampled 2012 2012 2012 2012 2012 2012 2012	MCL 200 250 15 500 50 3	PHG NA NA NA NA NA	System Average <50	Walnut Creek <50	Wa Lafayette <50 4-5 2 81 <20 1	ter treatment plan Orinda <50 4 - 6 1 - 2 <50 <20 <1 - 1	Sobrante <50 – 53	Upper San Leandro <50 - 64 16 - 18 3 <50 <20 - 31 1	Typical sourcesErosion of natural deposits; water treatment residueRunoff/leaching from natural depositsNaturally-occuring organic materialsMunicipal and industrial waste dischargesLeaching from natural depositsNaturally-occuring organic materials
Constituents with secondary MCLsAluminumChlorideColorFoaming agents (MBAS)ManganeseOdorSpecific conductance	Unit ppb ppm color units ppb pbb TON µS/cm	Year sampled 2012 2012 2012 2012 2012 2012 2012 201	MCL 200 250 15 500 50 3 900	PHG NA NA NA NA NA NA	System Average <50	Walnut Creek <50	Lafayette Wa <50	ter treatment plan Orinda <50 4 - 6 1 - 2 <50 <20 <1 - 1 64 - 108	Sobrante <50 – 53	Upper San Leandro <50 - 64 16 - 18 3 <50 <20 - 31 1 1 369	Typical sourcesErosion of natural deposits; water treatment residueRunoff/leaching from natural depositsNaturally-occuring organic materialsMunicipal and industrial waste dischargesLeaching from natural depositsNaturally-occuring organic materialsSubstances that form ions when in water
Constituents with secondary MCLsAluminumChlorideColorFoaming agents (MBAS)ManganeseOdorSpecific conductanceSulfate	Unit ppb ppm color units ppb ppb TON #S/cm	Year sampled 2012 2012 2012 2012 2012 2012 2012 201	MCL 200 250 15 500 50 3 900 250	PHG NA NA NA NA NA NA NA	System Average <50	Walnut Creek <50	Wa Lafayette <50	ter treatment plan Orinda <50 4-6 1-2 <50 <20 <1-1 64-108 1-10	Sobrante <50 – 53	Upper San Leandro <50 - 64	Typical sourcesErosion of natural deposits; water treatment residueRunoff/leaching from natural depositsNaturally-occuring organic materialsMunicipal and industrial waste dischargesLeaching from natural depositsNaturally-occuring organic materialsSubstances that form ions when in waterRunoff/leaching from natural deposits
Constituents with secondary MCLsAluminumChlorideColorFoaming agents (MBAS)ManganeseOdorSpecific conductanceSulfateTotal dissolved solids	Unit ppb ppm color units ppb ppb TON µS/cm ppm	Year sampled 2012 2012 2012 2012 2012 2012 2012 201	MCL 200 250 15 500 50 3 900 250 500	PHG NA NA NA NA NA NA NA NA	System Average <50	Walnut Creek <50	Lafayette Wa <50	ter treatment plan Orinda <50 4-6 1-2 <50 <20 <1-1 64-108 1-10 35-72	Sobrante <50 – 53	Upper San Leandro <50 - 64	Typical sourcesErosion of natural deposits; water treatment residueRunoff/leaching from natural depositsNaturally-occuring organic materialsMunicipal and industrial waste dischargesLeaching from natural depositsNaturally-occuring organic materialsSubstances that form ions when in waterRunoff/leaching from natural depositsRunoff/leaching from natural depositsRunoff/leaching from natural deposits
Constituents with secondary MCLsAluminumChlorideColorFoaming agents (MBAS)ManganeseOdorSpecific conductanceSulfateTotal dissolved solidsTurbidity	Unit ppb ppm color units ppb ppb TON µS/cm ppm ppm ppm NTU	Year sampled 2012 2012 2012 2012 2012 2012 2012 201	MCL 200 250 15 500 50 3 900 250 500 500	PHG NA NA NA NA NA NA NA NA NA	System Average <50	Walnut Creek <50	Lafayette Wa <50	ter treatment plan Orinda <50 4 - 6 1 - 2 <50 <20 <1 - 1 64 - 108 1 - 10 35 - 72 0.02 - 0.10	Sobrante <50 – 53	Upper San Leandro <50 - 64	Typical sourcesErosion of natural deposits; water treatment residueRunoff/leaching from natural depositsNaturally-occuring organic materialsMunicipal and industrial waste dischargesLeaching from natural depositsNaturally-occuring organic materialsSubstances that form ions when in waterRunoff/leaching from natural depositsRunoff/leaching from natural depositsSoil runoff
Constituents with secondary MCLs Aluminum Chloride Color Foaming agents (MBAS) Manganese Odor Specific conductance Sulfate Total dissolved solids Turbidity	Unit ppb ppm color units ppb ppb TON 4 VS/cm ppm ppm NTU	Year sampled 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012	MCL 200 250 15 500 500 250 250 500 5	PHG NA NA NA NA NA NA NA NA NA NA	System Average <50	Valnut Creek <50	Lafayette Wa <50	ter treatment plan Orinda <50 4-6 1-2 <50 <20 <1-1 64-108 1-10 35-72 0.02-0.10	Sobrante <50 – 53	Upper San Leandro <50 - 64	Typical sources Erosion of natural deposits; water treatment residue Runoff/leaching from natural deposits Naturally-occuring organic materials Municipal and industrial waste discharges Leaching from natural deposits Naturally-occuring organic materials Substances that form ions when in water Runoff/leaching from natural deposits Runoff/leaching from natural deposits Soil runoff
Constituents with secondary MCLs Aluminum Chloride Color Foaming agents (MBAS) Manganese Odor Specific conductance Sulfate Total dissolved solids Turbidity	Unit ppb ppm color units ppb ppb TON 4 ypm ppm bpm NTU	Year sampled 2012	MCL 200 250 15 500 50 3 900 250 500 50 3 900 250 500 500 500 500 500 5 Notification level	PHG NA NA NA NA NA NA NA NA NA PHG	System Average <50	Walnut Creek <50	Lafayette Wa <50	ter treatment plan Orinda <50 4 - 6 1 - 2 <50 <20 <1 - 1 64 - 108 1 - 10 35 - 72 0.02 - 0.10 ter treatment plan Orinda	Sobrante <50 – 53	Upper <50-64	Typical sources Erosion of natural deposits; water treatment residue Runoff/leaching from natural deposits Naturally-occuring organic materials Municipal and industrial waste discharges Leaching from natural deposits Naturally-occuring organic materials Substances that form ions when in water Runoff/leaching from natural deposits Runoff/leaching from natural deposits Soil runoff

	11	Year	MCI	DUIC	System	Water treatment		
Constituents with secondary MCLs	Unit	sampled	MICL	PHG	Average	Walnut Creek	Lafayette	Orinda
Aluminum	ppb	2012	200	NA	<50	<50	<50	<50
Chloride	ppm	2012	250	NA	9	4 – 5	4 – 5	4 - 6
Color	color units	2012	15	NA	2	2	2	1 – 2
Foaming agents (MBAS)	ppb	2012	500	NA	<50	<50	81	<50
Manganese	ppb	2012	50	NA	<20	<20	<20	<20
Odor	TON	2012	3	NA	1	1	1	<1 – 1
Specific conductance	μS/cm	2012	900	NA	169	56	60	64 – 108
Sulfate	ppm	2012	250	NA	16	1	1	1 – 10
Total dissolved solids	ppm	2012	500	NA	108	21 – 58	35 – 46	35 – 72
Turbidity	NTU	2012	5	NA	0.03	0.02 - 0.10	0.02 - 0.10	0.02 - 0.10

3 Unregulated constituents	Unit	Year sampled	Notification level	PHG	System Average	Walnut Creek	Wa Lafayette	ater treatment pla Orinda
Boron	ppb	2012	1000	NA	<100	<100	<100	<100
Chlorate	ppb	2012	800	NA	224	210	160	170 – 200
N-Nitrosodimethylamine ^f (NDMA)	ppt	2012	10	3	2	<1 – 2	1 – 2	<1-6

f 4 Lead and copper	Unit	Year sampled	Regulatory action level	PHG	90th percentile	Sites above regulatory action level	Typical source
Copper	ppb	2011	1300	300	66	0 out of 51	Internal corrosion
Lead ^g	ppb	2011	15	0.2	7	3 out of 51	Internal corrosion

- Regulatory action level The concentration which, if exceeded, triggers treatment or other requirements that a water system must follow.
- TOC Total organic carbon. A measure of organic compounds that could form by-products after disinfection.
- Turbidity A measure of the cloudiness of water. Turbidity is monitored because it is a good indication of the effectiveness of our filtration systems.
- TT Treatment technique. A required process intended to reduce the level of a contaminant in drinking water.
- **90th percentile** A measure that indicates 90 percent of the samples had a lower result

FOOTNOTES

a) Uranium was detected at 1.1 pCi/L and gross alpha was detected at 4.6 pCi/L in Chabot Reservoir. This is an emergency standby reservoir that has not been used for water supply in more than 30 years. **b**) CDPH considers 50 pCi/L to be the level of concern for gross beta particles. c) Highest running annual average. d) Chloramine residuals in the distribution system are measured as an equivalent quantity of chlorine. When the chloramine residual cannot be detected, the sample is further analyzed to ensure that microbiological water guality is in compliance with the regulations. e) Fluoride is added to help prevent dental decay in consumers. Current regulations require that fluoride levels in the treated water be

200 – 310

<1 – 3

n of household plumbing systems ; erosion of natural deposits; leaching from wood preservatives

By-product of sodium hypochlorite decomposition

By-product of drinking water chlorination

n of household plumbing systems ; erosion of natural deposits

230 - 350

<1-6



maintained between 0.7 to 1.4 ppm with an optimum dose of 0.8 ppm. Information about fluoridation, oral health and current issues is available from www.cdph.ca.gov/certlic/drinkingwater/pages/fluoridation.aspx. f) Sampling locations are chosen to represent worst-case scenarios. g) See Water Quality Regulations page for additional information about lead in drinking water. h) Grains per gallon (gpg) is a measure of water hardness. Knowing the amount can help improve the function of dishwashers, cooling equipment and other industrial processes.

WHERE IS MY WATER TREATED?

Much of the year, your drinking water comes from Pardee Reservoir in the Sierra. Before reaching your tap, it is treated at a plant in Walnut Creek or Orinda. During times of high water demand, system maintenance or for operational needs, some neighborhoods' drinking water may come from the local watershed and/or be treated at a different plant.



ABBREVIATIONS

- gpg grains per gallon
- NA not applicable
- **NTU** nephelometric turbidity unit, a measure of the cloudiness of water.
- pCi/L picocuries per liter, a measure of radioactivity.
 ppm – parts per million, a proportion equivalent
- to about 30 seconds in one year. (mg/L) **ppb** – parts per billion, a proportion equivalent
- to about 30 seconds in 1,000 years. (µg/L) **ppt** – parts per trillion, a proportion equivalent
- to about 30 seconds in 1,000,000 years. (ng/L) **TON** – threshold odor number, a measure of
- odor in water.
- µS/cm microsiemens per centimeter, a measure of electrical conductance.

5 Other water quality parameters	Unit		Upper			
Other water quality parameters	Unit	Walnut Creek	Lafayette	Orinda	Sobrante	San Leandro
Alkalinity, bicarbonate as CaCO ₃	ppm	17	18	18 – 29	80	140
Alkalinity, carbonate as CaCO ₃	ppm	3.5	3.2	4.3 – 5.5	4.0	6.5
Calcium	ppm	4.2 - 6.2	4.9 – 5.9	4.0 - 9.2	20 – 24	31 – 35
Hardnoss as CaCO	gpg ^h	0.8 – 1.3	0.9 – 1.3	0.8 – 1.9	4.9 – 5.6	7.6 – 8.8
Haluliess as CaCO ₃	ppm	14 – 22	16 – 22	14 – 32	84 – 96	130 – 150
Magnesium	ppm	0.8 – 1.2	0.8 – 1.2	0.8 – 2.1	7.0 – 8.1	13 – 15
рН	рН	9.2 – 9.4	9.2 – 9.4	9.1 – 9.5	8.4 - 8.8	8.6 - 8.8
Potassium	ppm	0.5 - 0.6	0.5 – 0.6	0.5 – 0.9	1.0 – 1.7	1.4 – 2.2
Silica	ppm	8.1 - 11.4	8.5 – 11.0	7.6 – 11.0	7.9 – 9.2	9.7 – 10.8
Sodium	ppm	4.7 - 6.8	5.4 – 7.6	5.0 – 11	27 – 30	30 - 34

This report contains important information about your drinking water. Translate it, or speak with someone who understands it. To request a copy of this report in Spanish or Chinese, please call 866–403–2683.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo, hable con alguien que lo entienda bien, o solicite un ejemplar de este informe en español llamando al 866-403-2683.

這份報告包含有您飲用水的重要資訊。請翻譯該內容, 或與了解內容的人討論,或者請致電 866-403-2683 索取中文報告。

Ang ulat na ito ay naglalaman ng importanteng impormasyon tungkol sa inyong iniinom na tubig. Isalin ito, o makipag-usap sa isang taong nakakaintindi nito.

Bản báo cáo này có các thông tin quan trọng về nước uống của quý vị. Hãy chuyển ngữ tài liệu này, hoặc nói chuyện với người có thể hiểu được bản báo cáo này.

본 보고서에는 여러분의 식수에 대한 중요한 정보가 담겨져 있습니다. 번역 또는 지인을 통해 반드시 본 내용을 읽어보시기 바랍니다.

این گزارش حاوی اطلاعات مهمی در مورد آب آشامیدنی است. آن را ترجمه کنید، یا ازکسی که مطالب آن را می فهمد سئوال کنید.

この報告書には、あなたの飲料水に関する重要な情報 が含まれています。和訳するか、理解できる人に相談 してください。

В настоящем отчете содержится важная информация о питьевой воде. Переведите этот текст или покажите его тому, кто знает английский язык.

របាយការណ៍នេះមានព័ត៌មានសំខាន់ អំពីទីកជីក។ សូមរកគេឲ្យបកប្រែជូន បុពិគ្រោះជាមួយនីង អ្នកណាដែលយល់របាយការណ៍នេះ។

Este relatório contém informações importantes sobre sua água potável. Traduza o relatório ou fale com alguém que o compreenda.

يحتوي هذا التقرير على معلومات هامة حول مياه الشرب التي نتناولها. ترجم التقرير أو تحدث إلى شخص يستطبع فهمه.

इस रिपोर्ट में आपके पीने के पानी के बारे में महत्वपूर्ण जानकारी दी हुई है। इसका अनुवाद करें, या किसी ऐसे व्यक्ति से बात करें जो इसे समझता हो।

Ce rapport contient des informations importantes concernant votre eau potable. Faites-le traduire ou adressez-vous à quelqu'un qui est en mesure de le comprendre.

รายงานฉบับนี้มีข้อมูลสำคัญเกี่ยวกับน้ำดื่มของท่าน ขอให้ แปลรายงานฉบับนี้หรือพูดคุยกับผู้ที่เข้าใจเนื้อหาในรายงานนี้



Water for life in the East Bay

375 11th Street, Oakland, CA 94607 1-866-40-EBMUD www.ebmud.com

CONTACT US

For more information about water quality or to report a water quality concern, call 866-40-EBMUD (866-403-2683) or visit www.ebmud.com. If you would like this report mailed to you, call 510-986-7555.

EBMUD encourages public participation in decisions affecting drinking water quality and other matters at its Board of Directors meeting held the second and fourth Tuesdays of each month at 1:15 p.m., 375 Eleventh Street, 2nd Floor, Oakland.

Board of Directors

John A. Coleman • Katy Foulkes Andy Katz • Doug Linney • Lesa R. McIntosh Frank Mellon • William B. Patterson

General Manager Alexander R. Coate

ADDITIONAL CONTACTS

California Department of Public Health Drinking Water Branch • 510-620-3463

U.S. Environmental Protection Agency Safe Drinking Water Hotline • 800-426-4791

Alameda County Public Health Department • 510-267-8000

Contra Costa Public Health Division • 925-313-6712



PUB. 137 4/13 25M 🖧 100% Recycled content | 60% Post-consumer waste