



**CADDO BASIN  
SPECIAL UTILITY DISTRICT**

156 CR 1118 • Greenville, TX 75401-7514

RETURN SERVICE REQUESTED

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**TEN EASY WATER CONSERVATION TIPS**

- 1** Collect rainwater for outdoor use during the peak summer months, and you can save up to 1,300 gallons of water.
- 2** Watering your lawn in the morning saves water from being evaporated by the midday heat and reduces your water bill, too!
- 3** When needed, water your lawn one inch, once a week. Place a 6-ounce tuna can on your lawn and stop watering when it's full.
- 4** If every household fixed just one leaky faucet, we could reduce water use in Texas by more than 13 billion gallons a year!
- 5** Installing a water-efficient showerhead can reduce water consumption by 25% to 60% and save energy.
- 6** Check your toilet by using a leak-detection dye tablet; otherwise, you could be wasting about 200 gallons of water a day.
- 7** Turn off the water faucet while you brush your teeth and save up to 4 gallons of water per minute.
- 8** Replacing older toilets with water-efficient toilets can save 9,000 gallons of water a year.
- 9** Washing only full loads of laundry can save an average household more than 3,400 gallons of water each year.
- 10** An Energy Star dishwasher is about 25% more efficient than a conventional one, and will save about 800 gallons of water per year.

**Public Participation Opportunities**

**Date: The Fourth Tuesday of Each Month**

**Time: 6:30pm**

**Location: 156 CR 1118, Greenville, Texas**

**Phone Number: (903) 527-3504**

or you may contact us or you may contact us  
[www.caddobasin.com](http://www.caddobasin.com) Like our Facebook page Caddo Basin  
SUD

## Annual Drinking Water Quality Report

TX1160029

CADDO BASIN SUD

Annual Water Quality Report for the period of January 1 to December 31, 2013

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

For more information regarding this report contact:

Name Leahmon F. Bryant, General manager

Phone (903) 527-3504

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (903) 527-3504.

CADDO BASIN SUD is Purchased Surface Water from NTMWD, Lake Lavon, Wylie, Colin County

### Sources of 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 pickup substances resulting from the presence of animals or from human activity.

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 EPAs Safe Drinking Water Hotline at (800) 426-4791.

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.
- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

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

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact the system's business office.

You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or immunocompromised persons such as those undergoing chemotherapy for cancer; persons who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders, can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care providers. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline (800-426-4791).

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. We are responsible for providing high quality drinking water, but we 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. If you are concerned about lead in your water, you 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 Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

**Information about Source Water Assessments**

The TCEQ completed an assessment of your source water and results indicate that some of your sources are susceptible to certain contaminants. The sampling requirements for your water system are based on this susceptibility and previous sample data. Any detections of these contaminants may be found in this Consumer Confident Report. For more information on source water assessments and protection efforts at our system contact Leahmon F. Bryant

For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following URL: <http://www.tceq.texas.gov/gis/swaview>

Further details about sources and source-water assessments are available in Drinking Water Watch at the following URL: <http://dww.tceq.texas.gov/DWW/>

Source Water Name		Type of Water	Report Status	Location
LAKE LAVON	CC FROM TX0430004 CITY OF	SW	_____	Lake Lavon, Wylie, Collin County, Texas
SW FROM NORTH TEXAS MWD	CC FROM TX0430044 NORTH	SW	_____	Lake Lavon, Wylie, Collin County, Texas

**2013 Regulated Contaminants Detected**

**Lead and Copper**

Definitions:

Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.

Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
<b>Copper</b>	2013	1.3	1.3	0.269	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems
<b>Lead</b>	2013	0	15	3.23	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

**Water Quality Test Results**

Definitions:	The following tables contain scientific terms and measures, some of which may require explanation.
Avg:	Regulatory compliance with some MCLs are based on running annual average of monthly samples.
Maximum Contaminant Level or MCL:	The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
Maximum Contaminant Level Goal or MCLG:	The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
Maximum residual disinfectant level or 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.
Maximum residual disinfectant level goal or 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.
MFL	million fibers per liter (a measure of asbestos)
na:	not applicable.
NTU	nephelometric turbidity units (a measure of turbidity)
pCi/L	picocuries per liter (a measure of radioactivity)

## Water Quality Test Results

ppb: micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.

ppm: milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.

ppt parts per trillion, or nanograms per liter (ng/L)

ppq parts per quadrillion, or picograms per liter (pg/L)

### Regulated Contaminants

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)*	2013	24	20.3 - 27.8	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2013	41	39.2 - 41.8	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Nitrate [measured as Nitrogen]	2013	0.297	0.292 - 0.297	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

### Violations Table

Lead and Copper Rule			
The Lead and Copper Rule protects public health by minimizing lead and copper levels in drinking water, primarily by reducing water corrosivity. Lead and copper enter drinking water mainly from corrosion of lead and copper containing plumbing materials.			
Violation Type	Violation Begin	Violation End	Violation Explanation
FOLLOW-UP OR ROUTINE TAP M/R (LCR)	10/01/2013	2013	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.
LEAD CONSUMER NOTICE (LCR)	12/30/2013	2013	We failed to provide the results of lead tap water monitoring to the consumers at the location water was tested. These were supposed to be provided no later than 30 days after learning the results.

**Regulated Contaminants**

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Total Haloacetic Acids (HAA5)	2013	24	20.3-27.8	No goal for the total	60	ppb	No	By-product of drinking water chlorination.
Total Trihalomethanes (THM)	2013	41	38.2-41.8	No goal for the total	80	ppb	No	By-product of drinking water chlorination.
<b>NOTE: Not all sample results may have been used for calculating the Highest Level Detected because some results may be part of an evaluation to determine where compliance sampling should occur in the future.</b>								
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Antimony	2013	Levels lower than detect level	0-0	6	6	ppb	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; and test addition
Arsenic	2013	1.21	0.00-1.21	0	10	ppb	No	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Barium	2013	0.04	.04-.04	2	2	ppm	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Beryllium	2013	Levels lower than detect level	0-0	4	4	ppb	No	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries.
Cadmium	2013	Levels lower than detect level	0-0	5	5	ppb	No	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints.
Chromium	2013	0.96	0.00-0.96	100	100	ppb	No	Discharge from steel and pulp mills; erosion of natural deposits.
Fluoride	2013	0.76	0.36-0.76	4	4	ppm	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Mercury	2013	Levels lower than detect level	0-0	2	2	ppb	No	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland.
Nitrate (measured as Nitrogen)	2013	0.8	0.56-0.80	10	10	ppm	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.
<b>Nitrate Advisory: Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.</b>								
Selenium	2013	3.45	2.83-3.45	50	50	ppb	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.
Thallium	2013	Levels lower than detect level	0-0	0.5	2	ppb	No	Discharge from electronics, glass, and leaching from ore-processing sites; drug factories.
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/phon emitters	4/29/2010	4.4	4.4-4.4	0	50	pCi/L	No	Decay of natural and man-made deposits.
Gross alpha excluding radon and uranium	4/29/2010	Levels lower than detect level	0-0	0	15	pCi/L	No	Erosion of natural deposits.
Radium	NA	NA	NA	0	5	pCi/L	No	Erosion of natural deposits.
Synthetic organic contaminants including pesticides and herbicides	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
2, 4, 5 - TP (Silvex)	2011	Levels lower than detect level	0-0	50	50	ppb	No	Residue of banned herbicide.
2, 4 - D	2013	Levels lower than detect level	0-0	70	70	ppb	No	Runoff from herbicide used on row crops.
Alachlor	2013	Levels lower than detect level	0-0	0	2	ppb	No	Runoff from herbicide used on row crops.
Atrazine	2013	0.4	0.36-0.40	3	3	ppb	No	Runoff from herbicide used on row crops.
Benzo (a) pyrene	2013	Levels lower than detect level	0-0	0	200	ppt	No	Leaching from linings of water storage tanks and distribution lines.
Carbofuran	2013	Levels lower than detect level	0-0	40	40	ppb	No	Leaching of soil fumigant used on rice and alfalfa.
Chlordane	2013	Levels lower than detect level	0-0	0	2	ppb	No	Residue of banned termiticide.
Dalapon	2013	Levels lower than detect level	0-0	200	200	ppb	No	Runoff from herbicide used on rights of way.
Di (2-ethylhexyl) adipate	2013	0.74	0-0.74	400	400	ppb	No	Discharge from chemical factories.
Di (2-ethylhexyl) phthalate	2013	Levels lower than detect level	0-0	0	6	ppb	No	Discharge from rubber and chemical factories.
Dibromochloropropane (DBCP)	2013	Levels lower than detect level	0-0	0	0	ppt	No	Runoff / leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards.
Dinoseb	2013	Levels lower than detect level	0-0	7	7	ppb	No	Runoff from herbicide used on soybeans and vegetables.
Endrin	2013	Levels lower than detect level	0-0	2	2	ppb	No	Residue of banned insecticide.
Ethylene dibromide	2013	Levels lower than detect level	0-0	0	50	ppt	No	Discharge from petroleum refineries.
Heptachlor	2013	Levels lower than detect level	0-0	0	400	ppt	No	Residue of banned termiticide.
Heptachlor epoxide	2013	Levels lower than detect level	0-0	0	200	ppt	No	Breakdown of heptachlor.
Hexachlorobenzene	2012	Levels lower than detect level	0-0	0	1	ppb	No	Discharge from metal refineries and agricultural chemical factories.
Hexachlorocyclopentadiene	2013	Levels lower than detect level	0-0	50	50	ppb	No	Discharge from chemical factories.
Lindane	2013	Levels lower than detect level	0-0	200	200	ppt	No	Runoff / leaching from insecticide used on cattle, lumber, and gardens.
Methoxychlor	2013	Levels lower than detect level	0-0	40	40	ppb	No	Runoff / leaching from insecticide used on fruits, vegetables, alfalfa, and livestock.
Oxamyl (Vydate)	2013	Levels lower than detect level	0-0	200	200	ppb	No	Runoff / leaching from insecticide used on apples, potatoes, and tomatoes.
Pentachlorophenol	2013	Levels lower than detect level	0-0	0	1	ppb	No	Discharge from wood preserving factories.
Simazine	2013	0.18	0.18-0.18	4	4	ppb	No	Herbicide runoff.
Toxaphene	2013	Levels lower than detect level	0-0	0	3	ppb	No	Runoff / leaching from insecticide used on cotton and cattle.
Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
1, 1, 1 - Trichloroethane	2013	Levels lower than detect level	0-0	200	200	ppb	No	Discharge from metal degreasing sites and other factories.
1, 1, 2 - Trichloroethane	2013	Levels lower than detect level	0-0	3	5	ppb	No	Discharge from industrial chemical factories.
1, 1 - Dichloroethylene	2013	Levels lower than detect level	0-0	7	7	ppb	No	Discharge from industrial chemical factories.
1, 2, 4 - Trichlorobenzene	2013	Levels lower than detect level	0-0	70	70	ppb	No	Discharge from textile-finishing factories.
1, 2 - Dichloroethane	2013	Levels lower than detect level	0-0	0	5	ppb	No	Discharge from industrial chemical factories.
1, 2 - Dichloropropane	2013	Levels lower than detect level	0-0	0	5	ppb	No	Discharge from industrial chemical factories.
Benzene	2013	Levels lower than detect level	0-0	0	5	ppb	No	Discharge from factories; leaching from gas storage tanks and landfills.
Carbon Tetrachloride	2013	Levels lower than detect level	0-0	0	5	ppb	No	Discharge from chemical plants and other industrial activities.
Chlorobenzene	2013	Levels lower than detect level	0-0	100	100	ppb	No	Discharge from chemical and agricultural chemical factories.
Dichloromethane	2013	Levels lower than detect level	0-0	0	5	ppb	No	Discharge from pharmaceutical and chemical factories.
Ethylbenzene	2013	Levels lower than detect level	0-0	0	700	ppb	No	Discharge from petroleum refineries.
Styrene	2013	Levels lower than detect level	0-0	100	100	ppb	No	Discharge from rubber and plastic factories; leaching from landfills.
Tetrachloroethylene	2013	Levels lower than detect level	0-0	0	5	ppb	No	Discharge from factories and dry cleaners.

THE DISENFECTANT IN BLACK IS FROM NTMWD, RED IS FROM CADD BASIN SUD  
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Contaminant	Year	Levels lower than detect level	0 - 0	1	1	ppm	No	Discharge from petroleum factories.
Toluene	2013	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from metal degreasing sites and other factories.
Trichloroethylene	2013	Levels lower than detect level	0 - 0	0	2	ppb	No	Leaching from PVC piping; discharge from plastics factories.
Vinyl Chloride	2013	Levels lower than detect level	0 - 0	10	10	ppm	No	Discharge from petroleum factories; discharge from chemical factories.
cis - 1, 2 - Dichloroethylene	2013	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from industrial chemical factories.
o - Dichlorobenzene	2013	Levels lower than detect level	0 - 0	600	600	ppb	No	Discharge from industrial chemical factories.
p - Dichlorobenzene	2013	Levels lower than detect level	0 - 0	75	75	ppb	No	Discharge from industrial chemical factories.
trans - 1, 2 - Dichloroethylene	2013	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from industrial chemical factories.

### Turbidity

	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest single measurement	1 NTU	0.02	No	Soil runoff.
Lowest monthly percentage (%) meeting limit	0.3 NTU	95.63%	No	Soil runoff.

NOTE: Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

### Maximum Residual Disinfectant Level

Disinfectant Type	Year	Average Level	Minimum Level	Maximum Level	MRL	MREDL	Units	Source of Chemical
Chlorine Residual (Chloramines)	2013	2.74	1.6	3.4	4.0	<4.0	ppm	Disinfectant used to control microbes.
Chlorine Dioxide	2013	<0.10	0	0.12	0.8	0.8	ppm	Disinfectant.
Chlorite	2013	0.47	0.09	0.85	1.0	N/A	ppm	Disinfectant.

### Total Organic Carbon

Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination	
Source Water	2013	5.61	4.59-5.61	ppm	Naturally present in the environment.
Drinking Water	2013	4.12	3.16-4.12	ppm	Naturally present in the environment.
Removal Ratio	2013	37.9%	19%-37.9%	% removal *	N/A

NOTE: Total organic carbon (TOC) has no health effects. The disinfectant can combine with TOC to form disinfection by-products. Disinfection is necessary to ensure that water does not have unacceptable levels of pathogens. By-products of disinfection include trihalomethanes (THMs) and haloacetic acids (HAA) which are reported elsewhere in this report.  
\* Removal ratio is the percent of TOC removed by the treatment process divided by the percent of TOC required by TCEQ to be removed.

### Lead and Copper

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Likely Source of Contamination
Lead	2013	3.23	0	15	15	ppb	Corrosion of customer plumbing. Action Level = 15
Copper	2013	0.239	0	1.3	1.3	ppm	By-product of drinking water disinfection. Action Level = 1.3

ADDITIONAL HEALTH INFORMATION FOR LEAD: 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. The NTMWD 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. If you are concerned about lead in your water, you 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 Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

### Cryptosporidium And Giardia

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination
Cryptosporidium	2013	0	0 - 0	(Oo) Cysts/l	Human and animal fecal waste.
Giardia	2013	0	0 - 0	(Oo) Cysts/l	Human and animal fecal waste.

Note: Taken on treated water samples.

### Unregulated Contaminant Monitoring Rule 2 (UCMR2)

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination
N-nitrosodimethylamine (NDMA)	2009	0.0023	0 - 0.0023	ppb	By-product of manufacturing process.

NOTE: Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. Any unregulated contaminants detected are reported in this report. For additional information and data visit <http://www.epa.gov/safewater/ucmr2/index.html>, or call the Safe Drinking Water Hotline at (800) 426-4791.

### Secondary and Other Constituents Not Regulated

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination
Bicarbonate	2013	102	82-102	ppm	Corrosion of carbonate rocks such as limestone.
Calcium	2013	53.2	50.3-53.2	ppm	Abundant naturally occurring element.
Chloride	2013	36.5	32.9-36.5	ppm	Abundant naturally occurring element; used in water purification; by-product of oil field activity.
Hardness as Ca/Mg	2013	146	142-146	ppm	Naturally occurring calcium and magnesium.
Iron	2013	Levels lower than detect level	0.00-0.00	ppm	Erosion of natural deposits; iron or steel water delivery equipment or facilities.
Magnesium	2013	4.07	3.99-4.07	ppm	Abundant naturally occurring element.
Manganese	2013	0.006	0.0011-0.006	ppm	Abundant naturally occurring element.
Nickel	2013	0.01	0.00-0.01	ppm	Erosion of natural deposits.
pH	2013	8.68	7.69-8.68	units	Measure of corrosivity of water.
Sodium	2013	44.4	34.6-43.4	ppm	Erosion of natural deposits; by-product of oil field activity.
Sulfate	2013	94	85.3-94	ppm	Naturally occurring; common industrial by-product; by-product of oil field activity.
Total Alkalinity as CaCO3	2013	149	82-149	ppm	Naturally occurring soluble mineral salts.
Total Dissolved Solids	2013	317	302-317	ppm	Total dissolved mineral constituents in water.
Total Hardness as CaCO3	2013	146	142-146	ppm	Naturally occurring calcium.
Zinc	2013	0.01	0.00-0.01	ppm	Moderately abundant naturally occurring element used in the metal industry.