



2015 DRINKING WATER QUALITY REPORT

For the period January 1, 2014 to December 31, 2014

(Including data for Fair Harbor, Riverside, Brentwood, Stony Brook and East Farmingdale Water Districts)

Dear Suffolk County Water Authority Customer:

We're proud to present to you the Suffolk County Water Authority's 2015 Drinking Water Quality Report. Once again available in electronic form, the report provides you with all the data you need to assess the quality of the water we supply to you as well as other important information. The electronic report enables you to go directly to the water quality information pertaining to your community with just the click of a mouse.

I'm pleased to tell you that the Suffolk County Water Authority this year has again met the tough water quality standards established by the United States Environmental Protection Agency and New York State Health Department, which both found our drinking water to be safe. In fact, the quality of our water surpasses New York State standards, which are among the strictest in the country. Providing our customers with the highest quality drinking water remains our top priority. Our state-of-the-art laboratory last year tested for 374 chemicals—225 more than is required by regulators—and analyzed approximately 62,000 samples that produced roughly 176,000 test results to make sure your water is always safe to drink.

I'd like to also note that your drinking water supply continues to be one of the best bargains around; it still costs an average SCWA customer less than one dollar a day for some of the best water you can get anywhere. In quality, value and taste—SCWA water was again this year chosen as the best tasting in Suffolk County, and was chosen as the best tasting on Long Island the last time an island-wide contest was held—SCWA water ranks at the top.

If you have any questions about the contents of this report, please call our Customer Service center at (631) 698-9500 and we'll be happy to assist you. And you can call the same number to request a paper copy of this report.

James F. Gaughran, Chairman,
Suffolk County Water Authority

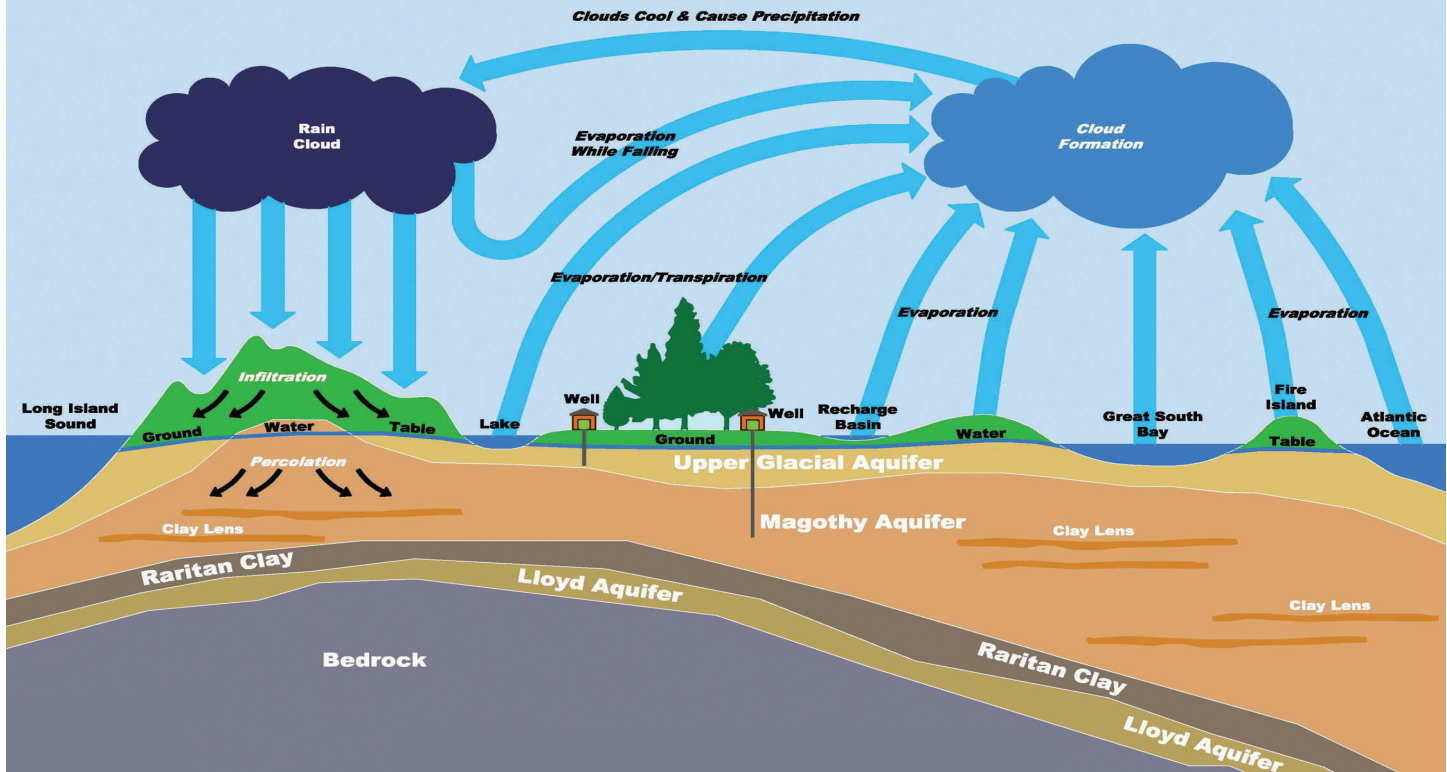
Here's what you will find inside:

- Pages 2-3: how our water cycle works and information on the Suffolk County Source Water Assessment Program
- Pages 4-5: information on protecting our groundwater and the value of water and conservation
- Pages 6-7: a message from our Lab Director and a list of compounds not detected in our drinking water
- Pages 8-9: lists of SCWA wells placed in service and taken out of service and water treatment information
- Pages 10-12: SCWA's newest testing
- Pages 13-20: educational information about the different constituents in drinking water, including various tables with our test results for bacteria, disinfection byproducts, lead and copper, and radionuclides as well as important information for immuno-compromised individuals
- Page 21: descriptions of the educational videos available on our website and SCWA e-billing information
- Pages 22-23: how to review the water quality data for your area
- Pages 24-31: a water distribution area index to find the water quality results for your home or business
- Pages 32 and 33: a comprehensive map of our water distribution areas
- Pages 34-43: water quality data for all distribution areas and notices for the water districts we operate
- Page 44: SCWA contact information

**Este informe contiene informacion muy importante sobre su agua de beber.
Traduzcalo o hable con alguien que lo entienda bien.**

OUR WATER SOURCE

THE WATER CYCLE ON LONG ISLAND



Our sole source aquifer, Suffolk's only source of drinking water, is a precious natural resource



In general, the sources of drinking water (both tap water and bottled water) can include rivers, lakes, streams, ponds, reservoirs, springs, wells and aquifers. 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 human activities. Contaminants that may be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants.

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

All of the water we supply to you comes from beneath the ground and is referred to as groundwater. The water is stored beneath the ground in a sandy, geological formation known as the Aquifer System. Water in the Aquifer System originates as precipitation (such as rain and snow), which slowly percolates down through the soil and into the aquifers.

The total depth of the Long Island Aquifer System is shallowest on the north shore (approximately 600 feet) and deepest along the south shore (approximately 2,000 feet).

There are four primary formations which are layered, and make up the Long Island Aquifer System. From the shallowest to the deepest, these formations are:

Upper Glacial Aquifer — contains the newest water to the groundwater system. The Water Authority has 272 wells drawing from this portion of the aquifer. Virtually all private wells draw from the Glacial Aquifer.

Magothy Aquifer — is the largest of the three formations and holds the most water, much of which is hundreds of years old. There are 335 SCWA wells drawing from this portion of the aquifer.

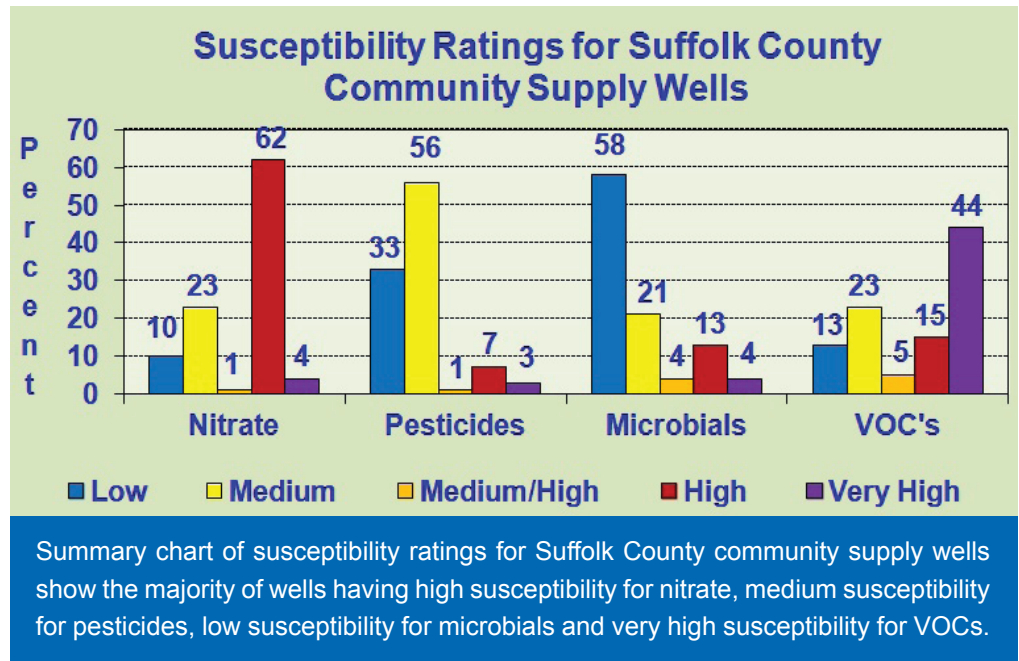
Raritan Clay — is a clay layer that separates the Magothy and Lloyd aquifers. Some portions of the Raritan contain permeable, sandy formations that hold enough water to pump from. The SCWA has 3 wells in the Raritan.

Lloyd Aquifer — is a largely-untapped layer which contains the oldest water, some of which has been held in the Aquifer System for more than 5,000 years. The SCWA has 3 Lloyd wells.

SUFFOLK COUNTY SOURCE WATER ASSESSMENT SUMMARY REPORT

The federal Safe Drinking Water Act (SDWA) amendments of 1996 created a Source Water Assessment Program (SWAP) to evaluate existing and potential threats to the quality of public drinking water supplies throughout the U.S. To carry out this program in New York, the Bureau of Water Supply Protection of the New York State Department of Health (NYSDOH) developed the New York State SWAP plan, with input from a variety of interested parties. Source water assessments were performed for all public water supplies in Nassau and Suffolk Counties, in accordance with the final New York State SWAP plan

prepared by the NYSDOH and approved by the U.S. Environmental Protection Agency (EPA) in November 1999. The chart above and summary below apply to **all** Suffolk County community supply wells.



It is important to remember that the source water assessments only indicate the **potential** for contamination of a supply well, based upon the likelihood of the presence of contaminants above ground in the source water recharge area and upon the **possibility** that any contaminants present can migrate down through the aquifer to the depth at which water enters the well screen. In most cases, the susceptibility, or potential, for contamination **has not** resulted in actual source water contamination. If contamination of a well source is identified, the Suffolk County Water Authority can either provide treatment or withdraw the well from service, so that all applicable drinking water standards are met.

Nitrate

Almost 70 percent of Suffolk County community supply wells were rated as high, or very high, for susceptibility to nitrate, with the lower population density accounting for reduced contaminant prevalence ratings in the central and eastern parts of the county.

Pesticides

The susceptibility of only about 10 percent of community supply wells was rated medium-high, high, or very high for pesticides, largely where significant tracts of agricultural land exist in eastern Suffolk County.

Microbials

Almost 60 percent of community supply wells in Suffolk County have a low susceptibility to contamination by microbials. Over 20 percent of the community supply wells were rated medium-high, high, or very high for microbials, as a result of the presence of microbial sources in unsewered areas and the relatively short travel times from the water table to shallow well screens, particularly in the central and eastern parts of the county.

Volatile Organic Chemicals (VOCs)

Almost 65 percent of the community supply wells in Suffolk County have susceptibility ratings of medium high, high or very high for VOCs, while over 35 percent of the wells are rated medium or low. If you would like detailed information regarding the source water assessment results for the source water that is supplied to your distribution area, please contact our laboratory at (631) 218-1112.

SOURCE WATER PROTECTION



To ensure that Suffolk residents will continue to have a pure and safe source of drinking water, our groundwater, the SCWA is at the forefront of aquifer protection measures. Maintaining, safeguarding and improving the quality of our groundwater are critical for our public health, our economy and our environment. Source water protection also helps avoid costs associated with treating, monitoring and remediating contamination. Pollution prevention is always preferable to remediation.

Open Space Preservation

SCWA sponsored the bill that protected the Central Pine Barrens. This legislation has resulted in the preservation of more than 100,000 acres of land in central Suffolk, which overlies one portion of Long Island's federally designated sole source aquifer. We continue to provide resources to protect this unique resource.

Hydrological Research

We have partnered with the Long Island Groundwater Research Institute (LIGRI) at SUNY Stony Brook to study groundwater hydrology and chemistry and the impacts that certain practices have on our groundwater quality and quantity. The focus of this scientific research is Long Island's aquifer system, and the goal is to utilize the results in practical applications to resolve groundwater related problems. We also support local research and data collection by the United States Geological Survey (USGS) to assess the water quality and quantity of Suffolk's groundwater reservoir. The USGS performs on-going environmental and hydrologic surveillance and investigations including a long-term groundwater monitoring program, data collection on emerging contaminants and nitrate trends, geophysical surveys, and aquifer characterization. The USGS also maintains a database of this information, allowing for trend analyses.

Public Education and Outreach

Public education is an essential ingredient in maintaining the quality of our water resources. We provide an educational outreach program for students in the 4th through 8th grades that covers the water cycle and protection of our drinking water. We also have useful information on our website (scwa.com), in our Annual Report, and in billing inserts. Occasionally SCWA will distribute information to the public through newspaper ads, TV and radio announcements, and posters or plaques on our vehicles.

Additionally, group tours of our state-of-the-art water quality testing laboratory or one of our pump stations can be arranged, or we'll gladly make a special presentation to your civic organization.

Become a Groundwater Guardian!



The SCWA would like you to take an active part in preserving our local water supply by becoming a Groundwater Guardian.

The Groundwater Guardian program, an international effort by the Groundwater Foundation to educate the public about the nature and value of groundwater, is run locally by a group of dedicated individuals representing government, the business community, education, agriculture, and Suffolk citizens. The SCWA recently rejuvenated the program in Suffolk with the help of these local leaders, and is looking for volunteers to help raise awareness about the importance of preserving our groundwater. Potential public education campaigns may include poster and video contests in schools and the creation of a Suffolk County Groundwater Guardians website, among other efforts.

What You Can Do to Protect our Groundwater

- *Don't pour any hazardous or toxic household materials down the drain or toilet - old paint, cleaners, degreasers, oils, etc.*
- *Properly dispose of all expired or unused medications by dropping them off at your local Suffolk County police department precinct's drop box, available 24 hours a day, 7 days a week.*
- *If you use any chemicals on your lawn and gardens (pesticides, herbicides, and fertilizers) do so sparingly. In this case, more is not better.*
- *Don't overwater your lawn during the summer. Instead, irrigate less frequently and for longer durations to promote deep root growth and reduce runoff of any chemicals into the groundwater.*
- *Support open space preservation initiatives in your community.*

For further information, visit our website at www.scwa.com.

SOURCE WATER PROTECTION

The Value of Water

How often do you think about the value of your tap water? And yet it provides many things that no other water can.

- *It delivers public health*
- *It delivers fire protection.*
- *It delivers economic development.*
- *It delivers quality of life.*

Water services are delivered to you 24/7/365. A day without water can mean:

- *No drinking, flushing or brushing.*
- *No showers, laundry, or dishwashing.*
- *No putting out fires or watering lawns and gardens.*
- *Increased risk of waterborne diseases.*

Drinking water services are not free. Tap water costs less than a penny per gallon – a true bargain considering the energy and expertise it takes to treat and deliver clean and reliable water to homes and businesses day in and day out. But like many basic services, the cost of treating and delivering water is going up for several reasons:

Rising treatment costs – increasingly stringent drinking water regulations add to the cost of providing water.

Aging water infrastructure – repairing and upgrading aging pipelines, pumps and other facilities accounts for a significant portion of your water bill.

Increasing energy costs – it takes a lot of electricity to pump, treat and deliver water. Rising costs for energy directly affect the cost of delivering water to you.

Cost of developing new supplies – water bills reflect the cost of developing new wells and well fields to meet peak demand periods.

Our customers get more than just a product for their money. We provide reliable service that includes ongoing maintenance, sophisticated water quality testing and treatment, and highly trained personnel. Simply put, it is one of the best deals around. To learn more, please visit our website at www.scwa.com/environment.

Conserving Water

In many parts of the U.S. water conservation is about reducing consumption to maximize a limited resource. Here in Suffolk County it isn't a matter of limited quantity, but rather a matter of using our precious natural resource efficiently. Although we have a sufficient water supply to meet present and future demands if managed properly, there are many reasons why conserving is important. Conserving water reduces the amount of electricity we use to run our wells. It reduces the need to construct new wells, water mains and tanks to meet increased demand. It ensures that there will be sufficient water pressure during peak demand periods to fight fires. Conserving water saves money and ensures that there will be an adequate supply for future generations.

Indoor Water Efficiency:

Install Water-conserving Appliances and Fixtures - They are cost effective and can greatly reduce water use. The average home, retrofitted with water-efficient fixtures, can save 30,000 gallons per year. Installing an aerator on your faucets is one of the most cost effective means to use water more wisely in your home. You can increase the faucet's efficiency by 30% without decreasing its performance. Check for EPA's WaterSense® label when purchasing new appliances and fixtures.

Fix Leaks - Check for leaky faucets and toilets. An American home can waste, on average, more than 10,000 gallons of water every year due to running toilets, dripping faucets, and other household leaks.

Don't Let Water Run - Turning off the tap while brushing teeth, shaving, and soaping hands can save gallons a day.

Fill it Up - When running the clothes washer or dishwasher, always wash full loads.

Outdoor Water Efficiency:

Irrigate Properly - Install a weather-based "Smart" irrigation controller which will ensure your irrigation system only operates when it needs to. Set timers properly and install rain shut-off devices and moisture sensors, if one isn't built in, to reduce excess watering. Regularly inspect the sprinkler heads to make sure they are not malfunctioning. Adjust sprinklers so they are not spraying water on paved surfaces such as the sidewalk, driveway, or road. These steps will also save you energy.

Choose Low-Maintenance Lawns - Consider using native ground cover that requires little water in place of lawn areas.

Mulch – Use mulch to prevent water loss through evaporation. It helps keep your soil moist.

Sweep vs. Hose - Sweep outdoor surfaces with a broom instead of using a hose.

Go to the Car Wash - Wash your vehicle at a car wash that recycles its water rather than doing it yourself.

HOW SCWA ENSURES THE QUALITY OF YOUR WATER

From the Director of Water Quality & Laboratory Services, Kevin P. Durk



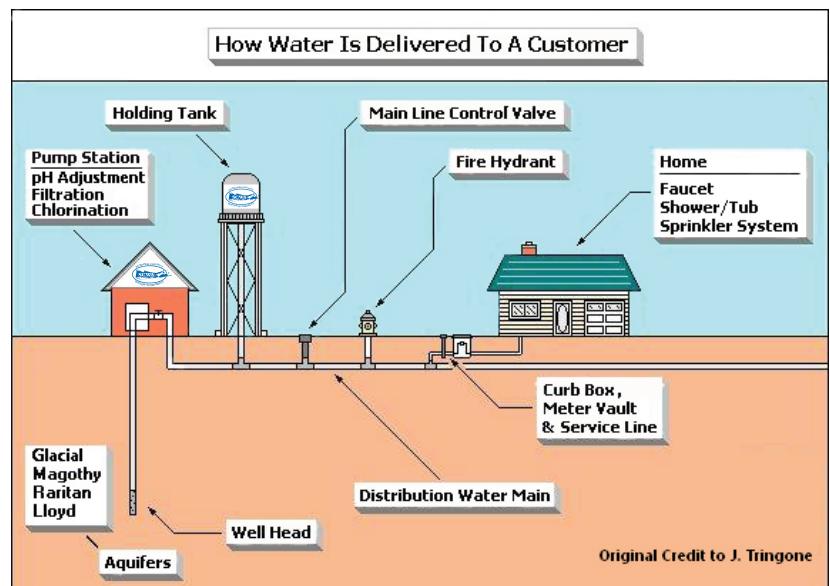
The most important information contained in this report is that the SCWA's drinking water quality continues to meet all state and federal regulations. We are committed to providing the highest quality drinking water to our customers. The SCWA laboratory is both state and federally certified, and is recognized as one of the most sophisticated water testing laboratories in the nation. Our approach to water quality testing is aggressive and comprehensive. We test our water at the wellhead, at various stages of treatment and within the distribution system for bacteria and a wide range of inorganic and organic chemicals. In fact, we test our drinking water for far more chemicals than required and at a frequency far in excess of local, state and federal regulations. **Because of these stringent safeguards, we can reassure all our customers that the water we deliver to them meets all drinking water standards and guidelines.**

We would like you to know:

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 the water poses a health risk. Water quality standards are established based upon the known health risks of the contaminants involved. In order to insure the tap water we provide to you is safe to drink, the State and the EPA prescribe regulations that limit the amount of certain contaminants in drinking water provided in public water systems. These limits are called Maximum Contaminant Levels (MCLs). More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791).

*As a point of information, the State Health Department's and the federal Food and Drug Administration's regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

This graphic illustrates how your drinking water is delivered to you. SCWA pump stations are located throughout Suffolk County. There may be only one or several wells located at each pump station. At these sites, the groundwater is pumped out of the aquifer. This water prior to treatment is usually referred to as "raw" water. In some cases, the raw water is filtered to remove contaminants. Before leaving the pump station, all raw water is treated to increase the pH and chlorinated to maintain disinfection throughout the distribution system. The distribution system connects the wells to your home or business. It consists of the water mains, fire hydrants, and storage tanks. Additional information about our water treatment can be found on page 9, and a description of our distribution system can be found on page 32.



DRINKING WATER QUALITY REPORT SUPPLEMENT

Additional information regarding your water supply is available in our Drinking Water Quality Report Supplement. This Supplement contains water quality data for our wells from samples that were collected before treatment and prior to being pumped to our customers. This Supplement is available to you by accessing our website at www.scwa.com and looking for "Water Quality Reports" under "Public Information".

The Supplemental Report contains raw water quality information from each of our wellfields. The range of data presented shows the lowest value for a detected analyte, the highest value, the average value, and the total number of tests at each wellfield. These values represent an average of the individual wells at each wellfield.

TABLE OF UNDETECTED COMPOUNDS

In 2014 we tested our drinking water for these compounds and they were not detected.

1,1,1,2-Tetrachloroethane	Benzo[a]pyrene	Dimethenamid OA	N-Nitrosopyrrolidine
1,1,2,2-Tetrachloroethane	Benzophenone	Dimethylphthalate	Niobium-94
1,1,2-Trichloroethane	Benzotriazole	Di-n-Butyl Phthalate	Niobium-95
1,1-Dichloropropene	Beryllium	Dinoseb	Nitrite
1,2,3-Trichlorobenzene	Beryllium-7	Diphenhydramine	Nitrobenzene
1,2,4-Trichlorobenzene	BHC (Alpha)	Endosulfan I	N-Propylbenzene
1,2-Dibromo-3-Chloropropane	BHC (Beta)	Endosulfan II	Odor
1,2-Dibromomethane (EDB)	BHC (Delta)	Endosulfan Sulfate	Oxamyl
1,2-Dichlorobenzene	Bismuth-212	Endrin	Oxybenzone
1,3,5-Trimethylbenzene	Bisphenol A	Endrin Aldehyde	PCBs
1,3-Butadiene	Bromacil	Enterococci	Pentachlorophenol
1,3-Dichlorobenzene	Bromobenzene	EPTC	PFNA (Perfluorononanoic Acid)
1,3-Dichloropropane	Bromochloromethane	Equilin	Phenanthrene
1,4-Dichlorobenzene	Bromomethane	Erythromycin	Picloram
17- α -Ethinylestradiol	Butachlor	Estriol	Potassium-40
17- β -Estradiol	Butylated Hydroxyanisole (BHA)	Estrone	Prometon
1-Naphthol	Butylated Hydroxytoluene (BHT)	Ethofumesate	Propachlor
2,2-Dichloropropane	Butylbenzylphthalate	Ethylene Glycol	Propachlor ESA
2-Isopropyl-3-Methoxy pyrazine	Cadmium-109	Ethyl-Tert-Butyl Ether	Propachlor OA
2,4,5-T	Caffeine	Europium-152	Propoxur
2,4,6-Trichlorophenol	Carbaryl	Europium-154	Propylene Glycol
2,4-D	Carbazole	Europium-155	Radium-223
2,4-DB	Carbofuran	Flufenacet ESA	Ruthenium-103
2,4-Dichlorophenol	Cerium-139	Flufenacet OA	Ruthenium-106
2,4-Dinitrotoluene	Cerium-141	Fluorene	Scandium-46
2,6-Dinitrotoluene	Cerium-144	Fluoxetine	Sec-Butylbenzene
2-Butanone (MEK)	Cesium-134	Fonofos	Silver
2-Chlorotoluene	Cesium-136	Furosemide	Silver-108m
2-Methylisoborneol	Cesium-137	Geosmin	Silver-110m
3,5-Dichlorobenzoic Acid	Chloramben	Heptachlor	Silvex (2,4,5-TP)
3-Hydroxycarbofuran	Chlordane, Total	Heptachlor Epoxide	Simazine
4,4' - DDD	Chlorodibromoacetic Acid	Hexachlorobenzene	Sodium-22
4,4' - DDE	Chloroethane	Hexachlorobutadiene	Standard Plate Count
4,4' - DDT	Chloromethane	Hexachlorocyclopentadiene	Styrene
4-Androstene-3,17-dione	Chloroxylenol	Hydrocodone	Tebuthiuron
4-Chlorotoluene	Chromium-51	Iron-59	Tellurium-129
4-Isopropyltoluene	Chrysene	Isophorone	Terbacil
4-Nitrophenol	Cis-1,3-Dichloropropene	Isopropylbenzene	Tert-Amyl Methyl Ether
Acenaphthene	Cobalt-57	Kelthane	Tert-Butyl Alcohol
Acetaminophen	Cobalt-58	Lanthanum-140	Tert-Butylbenzene
Acetochlor	Cobalt-60	Lead-210	Testosterone
Acetochlor ESA	Codeine	Lead-212	Thallium
Acetochlor OA	Cotinine	Lindane (Gamma-BHC)	Thallium-208
Acifluorfen	Cyanazine	Malathion	Tin
Actinium-227	Cyanide	Manganese-54	Tin-113
Actinium-228	Dalapon	Mercury	Tolytriazole
Albuterol	DCPA (Dacthal)	Mercury-203	Toxaphene
Aldicarb	Di(2-Ethylhexyl) Adipate	Methiocarb	Trans-1,2-Dichloroethene
Aldrin	Di(2-Ethylhexyl) Phthalate	Methomyl	Trans-1,3-Dichloropropene
Americium-241	Diazepam	Methoxychlor	Tribromoacetic Acid
Americium-243	Diazinon	Methylene Chloride	Trichloroanisole
Anthracene	Dibromomethane	Metribuzin	Triclocarban
Antimony	Dicamba	Molinate	Triclosan
Antimony-124	Dichlobenil	Naphthalene	Trifluralin
Antimony-125	Dichloroprop	Napropamide	Trimethoprim
Atrazine	Dieldrin	Naproxen	Tritium
Azobenzene	Diethylphthalate	N-Butylbenzene	Uranium-235
Barium-133	Di-Isopropyl Ether	N-Nitrosodimethylamine	Vinyl Chloride
Barium-140	Diltiazem	N-Nitrosomethylethylamine	Warfarin
Bentazon	Dimethenamid ESA	N-Nitrosodi-n-butylamine	Yttrium-88
Benz[a]anthracene		N-Nitrosodi-n-propylamine	Zinc-65
Benzene		N-Nitrosopiperidine	Zirconium-95

SCWA Statistics and Well Information

How Much Water Did We Supply in 2014?

To meet the demands of our customers, we pumped 69.9 billion gallons of water. Of that total, we billed our customers for approximately 63.6 billion gallons. The difference of 6.3 billion gallons, or 10%, is not accounted for and represents water used for flushing water mains, firefighting, street cleaning and other purposes, and water lost from the system.



SCWA Statistics For Calendar Year Ended December 31, 2014

Customers	380,855
Population Served	1.2 million
Miles of Main	5,932
Fire Hydrants	35,511
Water Pumped (billion gallons)	69.9
Total Wells in System	613
Active Wells in System	578
Pump Stations	237
Storage Facilities	64
Water Storage Capacity (million gallons)	68.9
Average Annual Water Rates (167,104 gallons/customer)	\$352

Wells Placed in Service in 2014

In 2014, we added 7 new wells to our water system and replaced 3 wells. In addition, this table lists the 10 wells placed in service with treatment to remove the contaminant(s) noted. To reduce the level of nitrate in the water our customers receive, 1 well was blended.

WELL NAME(S)	LOCATION	CONTAMINANT(S)	TREATMENT TYPE
Circle Dr #1	Wyandanch	Chlorate	Blending
Circle Dr #2	Wyandanch	Chlorate	Blending
Eastwood Blvd #2A*	Centereach	Trichloroethene	GAC Filtration
Emjay Blvd #2A	Pine Aire	MTBE**	Blending
Laurel Hill Rd #2A	Greenlawn	Perchlorate	Blending
Laurel Hill Rd #3	Greenlawn	Perchlorate	GAC Filtration
Middle Rd. (Peconic) #7	Peconic	Tetrachloroterephthalic acid	GAC Filtration
Middle Rd. (Southold) #2	Southold	Nitrate	GAC Filtration, Blending
Nicolls Rd #1	Islandia	Chlordane	GAC Filtration, Blending
Spring Close Hwy. #3	Pantigo	Alachlor	GAC Filtration

* Eastwood Blvd #2A was taken out of service in June and was placed back in service in September.

** Also known as Methyl-Tert-Butyl Ether

Wells Taken Out Of Service in 2014

In 2014, we retired 5 wells. In addition, the 5 wells listed in this table were removed from service because they had elevated levels of the contaminant(s) noted.

WELL NAME(S)	LOCATION	CONTAMINANT(S)
Eastwood Blvd #2A*	Centereach	Trichloroethene
Emjay Blvd. #1	Pine Aire	MTBE
Carlson Ave. #5	Kings Park	1,1-Dichloroethane
Spring Close Hwy. #1A	Pantigo	Alachlor
Spring Close Hwy. #2	Pantigo	Alachlor

* Please note: Eastwood Blvd #2A was taken out of service in June and was placed back in service in September.

WATER TREATMENT INFORMATION

As most of our groundwater already meets all state and federal water quality standards, it generally does not receive extensive treatment. Before the water leaves the pump station, minute traces of chlorine are routinely added according to the specifications of the state health department to prevent bacterial growth that could occur in our water mains and tanks. Our Bacteriological test results can be found on page 14 and 15. Information regarding the disinfection byproducts formed from the addition of chlorine can be found on page 16.

We also adjust the pH level of the water we deliver to you because the water, which we pump from the ground, is naturally acidic (pH can range from 4.5 to 6.8). To prevent corrosion of home plumbing, our water is chemically “buffered” by adding a hydrated lime product to increase the pH level. Soda ash is sometimes used instead of hydrated lime in certain portions of our system. This greatly reduces or eliminates the leaching of lead and copper from customers’ interior plumbing. Our test results for Lead and Copper can be found on page 17.



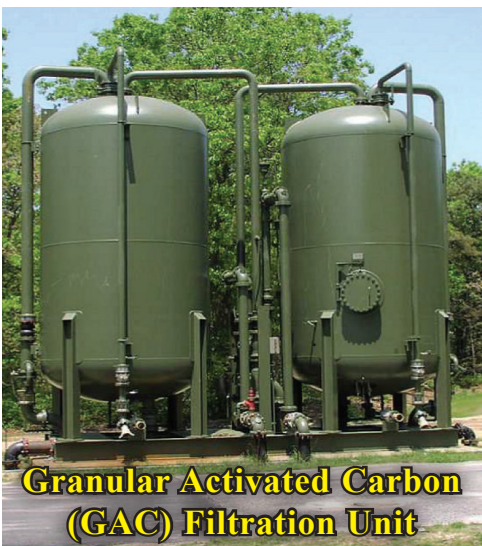
**Typical Pump Station
with Elevated Storage Tank**



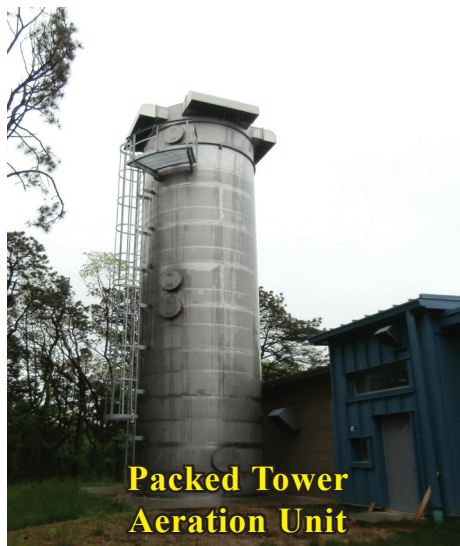
**Iron and Manganese
Removal Filters**

In areas where the groundwater naturally contains iron levels higher than the standard, sequestering agents such as poly-phosphates may be added to control the iron and keep it in solution. We also use specialized iron and manganese removal filters, and employ strategies such as systematic flushing of water mains to reduce these naturally occurring metals.

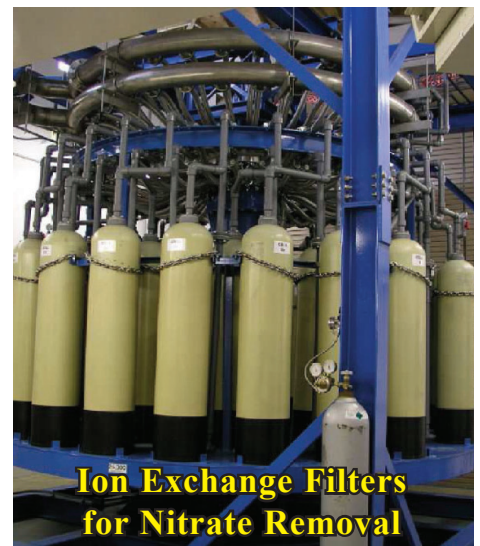
Approximately 22% of our wells receive treatment using granular activated carbon filtration to remove pesticides/herbicides and volatile organic compounds. Packed Tower Aeration (PTA) units also called air strippers, ion exchange, reverse osmosis, and perchlorate resin filters are also used as needed. In some cases wells are blended together at the pump station to lower the amount of contaminants, such as nitrate and perchlorate, in the water we serve.



**Granular Activated Carbon
(GAC) Filtration Unit**



**Packed Tower
Aeration Unit**



**Ion Exchange Filters
for Nitrate Removal**

WHAT'S NEW AT SCWA

UCMR TESTING For 2014

UNREGULATED CONTAMINANT MONITORING RULE CYCLE 3 (UCMR3)

Every five years the EPA issues a regulation called the Unregulated Contaminant Monitoring Rule (UCMR), which lists 20 to 30 unregulated contaminants that must be monitored for by large public water systems. Used as a tool to find unregulated contaminants of concern in drinking

water, the EPA can then determine whether to set drinking water standards or to require water providers to use certain treatment systems to reduce or eliminate these contaminants. Information on the last UCMR cycle (UCMR2) can be found on page 12.

The UCMR3 monitoring, which started in January 2013 and will continue through 2015, contains sampling and testing requirements for 28 chemicals:

- Seven Volatile Organic Compounds (VOCs): 1,2,3-trichloropropane (TCP); 1,3-butadiene; chloromethane; 1,1-dichloroethane; bromomethane; chlorodifluoromethane; bromochloromethane
- One Synthetic Organic Compound (SOC): 1,4-dioxane
- Six Metals: vanadium, molybdenum, cobalt, strontium, total chromium and hexavalent chromium* (*Information on chromium can be found on page 12.)
- One Disinfection Byproduct: chlorate
- Six Perfluorinated Compounds: PFOS¹, PFOA², PFNA³, PFHxS⁴, PFHpA⁵, PFBS⁶ (1^{perfluorooctanesulfonic acid}, 2^{perfluorooctanoic acid}, 3^{perfluorononanoic acid}, 4^{perfluorohexanesulfonic acid}, 5^{perfluoroheptanoic acid}, 6^{perfluorobutanesulfonic acid})
- Seven Synthetic Hormones: 17-β-estradiol, 17-α-ethynylestradiol, estriol, equilin, estrone, testosterone, 4-androstene-3,17-dione

With the exception of the synthetic hormones and the perfluorinated compounds, the SCWA was testing for the remaining chemicals listed above prior to the start of the UCMR3 monitoring. The analytical testing methods used by the SCWA are EPA methods approved by the NYSDOH for drinking water analysis. For the metals and VOCs listed above, the analytical testing methods the SCWA uses are different than those methods required specifically for the UCMR3. The SCWA version of the UCMR3 method for the VOCs also included eight additional chemicals: vinyl chloride, methylene chloride, carbon tetrachloride, benzene, 1,2-dichloroethane, trichloroethene, 1,2-dichloropropane,

and tetrachloroethene. In some cases the reporting level, or the lowest level of a chemical each method is capable of detecting, is different. Due to differences in the reporting levels, the range of readings for each of method must be shown separately.

The UCMR3 test results for each chemical detected, or found above the reporting level, are listed in the charts below and on pages 11 and 12 for each distribution area tested in 2014. For these same chemicals, the SCWA test results for each distribution area can be found on pages 34 through 42.

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 1				Distribution Area 6				Distribution Area 10				Distribution Area 11			
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings				Range of Readings				Range of Readings				Range of Readings			
					Low Value	High Value	Avg. Value	No. of Tests	Low Value	High Value	Avg. Value	No. of Tests	Low Value	High Value	Avg. Value	No. of Tests	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																				
Chromium, total	Natural deposits	100	100	ug/L	ND	0.69	ND	41	0.22	0.62	0.42	2	ND	ND	ND	4	ND	2.09	0.63	11
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	ND	7.5	ND	41	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	11
Strontium-88	Naturally occurring	n/a	n/a	mg/L	0.009	0.105	0.026	41	0.060	0.066	0.063	2	0.014	0.055	0.035	4	0.020	0.134	0.059	11
Vanadium	Naturally occurring	n/a	n/a	ug/L	ND	ND	ND	41	ND	0.3	0.2	2	ND	ND	ND	4	ND	0.3	ND	11
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																				
PFBS	Used on products for stain/water resistance	50	n/a	ug/L	ND	ND	ND	33	NA	NA	NA	0	ND	ND	ND	2	ND	ND	ND	9
PFHpA	Used on products for stain/water resistance	50	n/a	ug/L	ND	ND	ND	33	NA	NA	NA	0	ND	ND	ND	2	ND	ND	ND	9
PFHxS	Used on products for stain/water resistance	50	n/a	ug/L	ND	ND	ND	33	NA	NA	NA	0	ND	ND	ND	2	ND	ND	ND	9
PFOA	Fire fighting foam, cleaners, cosmetics, greases	50	n/a	ug/L	ND	ND	ND	33	NA	NA	NA	0	ND	ND	ND	2	ND	ND	ND	9
PFOS	Pesticide, alkaline cleaners, floor polish	50	n/a	ug/L	ND	ND	ND	33	NA	NA	NA	0	ND	ND	ND	2	ND	ND	ND	9
Volatile Organic Compounds																				
Carbon Tetrachloride	From industrial chemical factories	5	0	ug/L	ND	ND	ND	32	NA	NA	NA	0	ND	ND	ND	2	ND	ND	ND	8
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	ND	ND	ND	32	NA	NA	NA	0	ND	ND	ND	2	ND	0.13	ND	8
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	ND	ND	ND	32	NA	NA	NA	0	ND	ND	ND	2	ND	4.09	1.07	8
1,2-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	ND	0.05	ND	32	NA	NA	NA	0	ND	ND	ND	2	ND	ND	ND	8
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	ND	ND	ND	32	NA	NA	NA	0	ND	ND	ND	2	ND	ND	ND	8
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	ND	ND	ND	32	NA	NA	NA	0	ND	ND	ND	2	ND	0.38	0.17	8
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	ND	ND	ND	32	NA	NA	NA	0	ND	ND	ND	2	ND	0.88	0.41	8
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	ND	ND	ND	32	NA	NA	NA	0	0.03	0.05	0.04	2	ND	0.13	0.04	8

UCMR3 Test Results For 2014

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 12				Distribution Area 14				Distribution Area 15				Distribution Area 20			
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings				Range of Readings				Range of Readings				Range of Readings			
					Low Value	High Value	Avg. Value	No. of Tests	Low Value	High Value	Avg. Value	No. of Tests	Low Value	High Value	Avg. Value	No. of Tests	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																				
Chromium, total	Natural deposits	100	100	ug/L	ND	2.28	0.55	68	NA	NA	NA	0	ND	2.56	0.82	74	ND	0.82	0.23	42
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	ND	1.2	ND	68	NA	NA	NA	0	ND	ND	ND	74	ND	ND	ND	42
Strontium-88	Naturally occurring	n/a	n/a	mg/L	0.013	0.147	0.060	68	NA	NA	NA	0	0.009	0.143	0.060	74	0.005	0.083	0.041	42
Vanadium	Naturally occurring	n/a	n/a	ug/L	ND	3.3	0.4	68	NA	NA	NA	0	ND	7.0	0.4	74	ND	0.5	ND	42
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																				
PFBS	Used on products for stain/water resistance	50	n/a	ug/L	ND	ND	ND	48	ND	ND	ND	2	ND	ND	ND	47	ND	0.06	ND	28
PFHpA	Used on products for stain/water resistance	50	n/a	ug/L	ND	ND	ND	48	ND	0.02	0.01	2	ND	0.03	ND	47	ND	0.02	ND	28
PFHxS	Used on products for stain/water resistance	50	n/a	ug/L	ND	ND	ND	48	ND	ND	ND	2	ND	0.14	ND	47	ND	0.11	ND	28
PFOA	Fire fighting foam, cleaners, cosmetics, greases	50	n/a	ug/L	ND	ND	ND	48	ND	ND	ND	2	ND	ND	ND	47	ND	ND	ND	28
PFOS	Pesticide, alkaline cleaners, floor polish	50	n/a	ug/L	ND	ND	ND	48	ND	ND	ND	2	ND	0.53	ND	47	ND	0.35	0.06	28
Volatile Organic Compounds																				
Carbon Tetrachloride	From industrial chemical factories	5	0	ug/L	ND	ND	ND	48	NA	NA	NA	0	ND	ND	ND	43	ND	ND	ND	25
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	ND	0.08	ND	48	NA	NA	NA	0	ND	0.19	ND	43	ND	ND	ND	25
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	ND	0.43	0.07	48	NA	NA	NA	0	ND	1.30	0.13	43	ND	ND	ND	25
1,2-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	ND	0.12	ND	48	NA	NA	NA	0	ND	ND	ND	43	ND	ND	ND	25
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	ND	ND	ND	48	NA	NA	NA	0	ND	0.30	ND	43	ND	ND	ND	25
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	ND	0.47	0.08	48	NA	NA	NA	0	ND	0.46	0.09	43	ND	0.06	ND	25
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	ND	0.39	ND	48	NA	NA	NA	0	ND	0.45	0.06	43	ND	ND	ND	25
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	ND	0.06	ND	48	NA	NA	NA	0	ND	0.11	ND	43	ND	ND	ND	25

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 23				Distribution Area 26				Distribution Area 30				Distribution Area 32			
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings				Range of Readings				Range of Readings				Range of Readings			
					Low Value	High Value	Avg. Value	No. of Tests	Low Value	High Value	Avg. Value	No. of Tests	Low Value	High Value	Avg. Value	No. of Tests	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																				
Chromium, total	Natural deposits	100	100	ug/L	ND	0.66	0.32	33	ND	0.33	ND	14	ND	2.54	0.54	39	0.38	0.77	0.61	4
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	ND	ND	ND	33	ND	ND	ND	14	ND	ND	ND	39	ND	ND	ND	4
Strontium-88	Naturally occurring	n/a	n/a	mg/L	0.025	0.097	0.058	33	0.059	0.131	0.088	14	0.038	0.173	0.103	39	0.040	0.072	0.052	4
Vanadium	Naturally occurring	n/a	n/a	ug/L	ND	3.5	0.6	33	ND	ND	ND	14	ND	1.6	0.2	39	ND	0.3	ND	4
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																				
PFBS	Used on products for stain/water resistance	50	n/a	ug/L	ND	ND	ND	17	ND	ND	ND	11	ND	ND	ND	25	ND	ND	ND	2
PFHpA	Used on products for stain/water resistance	50	n/a	ug/L	ND	ND	ND	17	ND	ND	ND	11	ND	ND	ND	25	ND	ND	ND	2
PFHxS	Used on products for stain/water resistance	50	n/a	ug/L	ND	ND	ND	17	ND	ND	ND	11	ND	ND	ND	25	ND	ND	ND	2
PFOA	Fire fighting foam, cleaners, cosmetics, greases	50	n/a	ug/L	ND	ND	ND	17	ND	ND	ND	11	ND	ND	ND	25	ND	ND	ND	2
PFOS	Pesticide, alkaline cleaners, floor polish	50	n/a	ug/L	ND	ND	ND	17	ND	ND	ND	11	ND	ND	ND	25	ND	ND	ND	2
Volatile Organic Compounds																				
Carbon Tetrachloride	From industrial chemical factories	5	0	ug/L	ND	ND	ND	16	ND	ND	ND	10	ND	ND	ND	24	ND	ND	ND	2
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	ND	ND	ND	16	ND	ND	ND	10	ND	ND	ND	24	ND	ND	ND	2
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	ND	ND	ND	16	ND	ND	ND	10	ND	ND	ND	24	ND	ND	ND	2
1,2-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	ND	ND	ND	16	ND	ND	ND	10	ND	ND	ND	24	ND	ND	ND	2
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	ND	0.34	0.06	16	ND	ND	ND	10	ND	0.07	ND	24	ND	ND	ND	2
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	ND	ND	ND	16	ND	0.10	ND	10	ND	0.17	ND	24	ND	ND	ND	2
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	ND	ND	ND	16	ND	ND	ND	10	ND	ND	ND	24	ND	ND	ND	2
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	ND	0.09	ND	16	ND	ND	ND	10	ND	0.03	ND	24	ND	ND	ND	2

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 35				Distribution Area 39				Distribution Area 44				Distribution Area 53			
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings				Range of Readings				Range of Readings				Range of Readings			
					Low Value	High Value	Avg. Value	No. of Tests	Low Value	High Value	Avg. Value	No. of Tests	Low Value	High Value	Avg. Value	No. of Tests	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																				
Chromium, total	Natural deposits	100	100	ug/L	ND	ND	ND	4	0.34	0.73	0.59	6	0.28	0.53	0.38	4	ND	ND	ND	8
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	ND	ND	ND	4	ND	ND	ND	6	ND	ND	ND	4	ND	ND	ND	8
Strontium-88	Naturally occurring	n/a	n/a	mg/L	0.142	0.169	0.155	4	0.021	0.027	0.025	6	0.038	0.061	0.048	4	0.001	0.002	0.001	8
Vanadium	Naturally occurring	n/a	n/a	ug/L	ND	ND	ND	4	ND	0.4	0.2	6	0.4	1.6	0.8	4	ND	0.2	ND	8
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																				
PFBS	Used on products for stain/water resistance	50	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	4
PFHpA	Used on products for stain/water resistance	50	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	4
PFHxS	Used on products for stain/water resistance	50	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	4
PFOA	Fire fighting foam, cleaners, cosmetics, greases	50	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	4
PFOS	Pesticide, alkaline cleaners, floor polish	50	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	4
Volatile Organic Compounds																				
Carbon Tetrachloride	From industrial chemical factories	5	0	ug/L	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	4
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	4
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	4
1,2-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	4
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	4
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	4
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	4
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	4

UCMR3 Test Results For 2014 (continued)

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 54				Distribution Area 57				Distribution Area EFWD				Distribution Area RSWD			
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings				Range of Readings				Range of Readings				Range of Readings			
					Low Value	High Value	Avg. Value	No. of Tests	Low Value	High Value	Avg. Value	No. of Tests	Low Value	High Value	Avg. Value	No. of Tests	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																				
Chromium, total	Natural deposits	100	100	ug/L	ND	0.57	0.22	4	0.43	0.43	0.43	1	ND	0.32	ND	18	ND	0.61	0.35	2
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	ND	ND	ND	4	ND	ND	ND	1	ND	5.1	1.1	18	ND	ND	ND	2
Strontium-88	Naturally occurring	n/a	n/a	mg/L	0.001	0.002	0.001	4	0.049	0.049	0.049	1	0.002	0.044	0.017	18	0.028	0.033	0.030	2
Vanadium	Naturally occurring	n/a	n/a	ug/L	ND	1.0	0.4	4	ND	ND	ND	1	ND	0.3	ND	18	0.7	1.0	0.8	2
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																				
PFBS	Used on products for stain/water resistance	50	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	9	NA	NA	NA	0
PFHpA	Used on products for stain/water resistance	50	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	9	NA	NA	NA	0
PFHxS	Used on products for stain/water resistance	50	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	9	NA	NA	NA	0
PFOA	Fire fighting foam, cleaners, cosmetics, greases	50	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	9	NA	NA	NA	0
PFOS	Pesticide, alkaline cleaners, floor polish	50	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	9	NA	NA	NA	0
Volatile Organic Compounds																				
Carbon Tetrachloride	From industrial chemical factories	5	0	ug/L	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	7	NA	NA	NA	0
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	1	ND	0.87	0.16	7	NA	NA	NA	0
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	1	ND	0.11	ND	7	NA	NA	NA	0
1,2-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	7	NA	NA	NA	0
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	7	NA	NA	NA	0
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	7	NA	NA	NA	0
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	7	NA	NA	NA	0
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	7	NA	NA	NA	0

EDUCATIONAL INFORMATION

UNREGULATED CONTAMINANT MONITORING RULE CYCLE 2 (UCMR2)

The second cycle of the UCMR (UCMR2) published on January 4, 2007 included the chemicals used in explosives, flame retardants, insecticides, nitrosamines, herbicides and herbicide byproducts. As our Drinking Water Quality Reports for 2009, 2010, and 2011 indicated, we tested our wells as required and none of the chemicals from explosives or flame retardants and insecticides were detected. The SCWA continues to monitor for the herbicides and herbicide byproducts, and nitrosamines. The 2014 herbicide and herbicide byproducts test results for each distribution area are noted on pages 34 through 42.

2014 NITROSAMINE TEST RESULTS FOR DISTRIBUTION AREA 12*

Two wells, located in distribution area 12, have nitrosamines. Nitrosamines can be formed as a byproduct of the disinfection of drinking water or found as a contaminant in drinking water from manufacturing processes such as for rubber and latex products. Additionally, nitrosamines are found in tobacco smoke, cosmetics, and food products, such as cured meats and fish, beer, and smoked products, and they also form in the body from the nitrosation of dietary amines. EPA has classified several nitrosamines as probable human carcinogens, but has not set an MCL. The nitrosamines were measured at extremely low levels, in parts per trillion or ppt. A summary of the 2014 test results for distribution area 12 is shown in the chart below.

Detected Nitrosamine Compounds	Unit of Measure	Low Value	High Value	Avg. Value	No. of Tests
N-Nitrosomorpholine	ppt	ND	4.20	ND	20
N-Nitrosodiethylamine (NDEA)	ppt	ND	10.0	ND	20

* Please see map on pages 32 and 33 for the location of distribution area 12

HEXAVALENT CHROMIUM MONITORING

Chromium is a naturally occurring metal found in rock, animals, plants, soils, and volcanic dust and gases. It occurs in two forms: trivalent chromium (Cr-3), an essential human dietary nutrient, and hexavalent chromium (Cr-6). Cr-6 is commonly found in groundwater. It is naturally occurring at low levels, and can also be found in drinking water as a contaminant from industrial processes. There is no specific Maximum Contaminant Level (MCL), which is the highest level allowed in drinking water, for Cr-6. Instead EPA has set an MCL for total chromium, which is the sum of all forms, of 100 ppb (parts per billion). The SCWA regularly tests for total chromium and has listed the results for each year in our Drinking Water Quality Reports. In 2014 the levels ranged from non-detect (no total chromium present) to 9.55 ppb, and the results for each distribution area can be found on pages 34 through 40. In 2014, the levels ranged from non-detect (no Cr-6 present) to 4.99 ppb. The results for each distribution area can be found on pages 34 through 42.

EDUCATIONAL INFORMATION

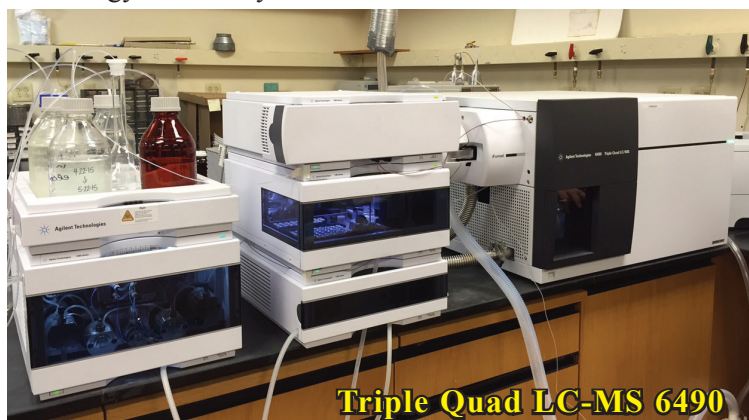
PHARMACEUTICALS AND PERSONAL CARE PRODUCTS (PPCPs) MONITORING

PPCPs are a diverse collection of thousands of chemical substances, including prescription and over-the counter therapeutic drugs, veterinary drugs, fragrances, cosmetics, lotions such as sunscreen and insect repellants, diagnostic agents and vitamins. PPCPs from bodily excretion, bathing, and disposal of unwanted medications to septic systems, sewers or trash have the potential to enter our drinking water. Information on how to properly dispose of unwanted pharmaceuticals can be found at www.epa.gov/ppcp.

The detection and quantification of these chemicals has only recently been possible due to advances in laboratory testing technology. Presently EPA has no health standards or

guidelines for PPCPs in drinking water and does not require testing. In 2014 all of our wells were tested for 22 PPCPs, Carbamazepine, Dilantin, Gemfibrozil, Ibuprofen, Meprobamate, Naproxen and Phenobarbital were detected. The concentrations found are at levels far below medical doses, and have no known health effects. The analytical instrument used for this testing is shown below on the left.

Wherever possible, we are using granular activated carbon filtration and blending wells to remove these trace levels from the water we provide to you. Information on these pharmaceutical drugs and the results for each distribution area can be found on pages 34 through 42.



Triple Quad LC-MS 6490



Automated Solid Phase Extraction

SAFE DISPOSAL OF PHARMACEUTICALS



Pharmaceutical contamination of drinking water is an important emerging problem. Changing our practices today can prevent future pollution of our only source of drinking water. Suffolk County Water Authority has partnered with King Kullen, Citizens Campaign for the Environment and United Water to launch a first of its kind, cutting edge program for the public to safely and conveniently dispose of unwanted and expired medications. Become a part of the solution to help stop the threat of discarded pharmaceuticals finding their way into our groundwater, bays and estuaries. Simply take



your unused medications to any of the safe disposal locations on Long Island. You can find a location near you on this interactive online map: <http://www.citizenscampaign.org/campaigns/pharmaceutical-disposal/nassau-suffolk-locations.asp>

ASBESTOS MONITORING

Asbestos-cement water mains are made from cement with asbestos fibers added to make the pipes strong. Although drinking water can pass through these pipes without becoming contaminated with asbestos fibers, asbestos fibers may be released through the wear or breakdown of these mains. The EPA has set the MCL for asbestos at 7.0 million fibers per Liter (MFL). Some people who drink water containing asbestos in excess of the MCL over many years may have an increased risk of developing benign intestinal polyps. Approximately, 2% of the SCWA's distribution system contains asbestos-cement pipes. Although testing is required every nine years, the SCWA tests every year.

In 2014 we monitored 45 sampling station locations where asbestos-cement pipes exist. One sample from Forks Rd in Bay Shore had 0.768 MFL of asbestos present, Scuttlehole Rd in Bridgehampton had 0.192 MFL of asbestos present, Silverbrook Dr in Flanders had 0.192 MFL of asbestos present, and Orinoco Dr in West Bay Shore had 0.576 MFL of asbestos present. All of these results were well below the 7.0 MFL MCL. All other locations were non-detect (no asbestos fibers present). The sampling stations at Forks Rd, Scuttlehole Rd, Silverbrook Dr and Orinoco Dr were placed on quarterly monitoring, and the results were non-detect for the three subsequent quarterly samples.

EDUCATIONAL INFORMATION

MICROBIOLOGICAL TESTING and MONITORING REQUIREMENTS

To reduce the risk of illness caused by microbial contamination the SCWA tests for total coliform bacteria, including E. coli. Total coliform bacteria is a conservative indicator of the potential for contamination from waste and provides a basis for investigation to determine and correct sanitary deficiencies. E. coli is a coliform bacteria that indicates fecal contamination and an immediate concern requiring prompt investigation. The Total Coliform Rule (TCR) and Ground Water Rule (GWR) are EPA regulations that require us to test our distribution system for total coliform bacteria. When there is a total coliform-positive result found in a distribution system sample, we are then required to test our wells in the surrounding area. This is called Triggered Source Water monitoring. In 2014, all Triggered Source Water monitoring samples were total coliform-negative (no coliforms, including E. coli were found).

Total Coliform Rule (TCR) and Ground Water Rule (GWR) Monitoring

In 2014 we collected an average of 952 total coliform samples each month, including samples from East Farmingdale, Riverside, and Stony Brook Water Districts. The number of samples required is based on the population in each distribution area.

Large distribution areas (40 or more total coliform samples collected monthly), shown in Table I below, must report the highest percentage of positive samples collected in any one month. Small distribution areas (40 or less total coliform samples collected monthly), shown in Table II below, must report the highest number of positive samples.

2014 Microbiological Test Results for Distribution

TABLE I – Microbiological Test Results
For Large Water Distribution Areas

Compound	Violation	MCL	MCLG	Unit Measure	Likely Source
Total Coliform Bacteria	Yes/No	Presence of Coliform in 5% of Monthly Samples	0	n/a	Naturally Present in the Environment
Distribution Area		Highest Monthly Percentage Positive	Lowest Monthly Percentage Positive	Average Monthly Percentage Positive	No. of Tests for the Year
1	No	0.5 %	0 %	0.1%	2,312
6	No	2.3 %	0 %	0.4%	491
12	No	0.6 %	0 %	0.1%	1,933
15	No	0.8 %	0 %	0.1%	1,541
20	No	1.0 %	0 %	0.1%	1,158
23	No	1.3 %	0 %	0.1%	870

Distribution Area 10 had no detections of total coliform in 2014.

TABLE II – Microbiological Test Results
For Small Water Distribution Areas

Compound	Violation	MCL	MCLG	Unit Measure	Likely Source
Total Coliform Bacteria	Yes/No	Two or More Positive Samples	0	n/a	Naturally Present in the Environment
Distribution Area		Highest Monthly Amount Positive	Lowest Monthly Amount Positive	Average Monthly Amount Positive	No. of Tests for the Year
7	No	1	0	0.7 %	150

Distribution Areas 4, 5, 8, 9, 11, 14, 26, 30, 32, 35, 39, 44, 53, 54, 55, 57, Stony Brook WD, Riverside WD, and East Farmingdale WD had no detections of total coliform in 2014.

Bacteriological Test Results

Heterotrophic Plate Count (HPC)

We also test every filtration system and water storage tank for total coliform and perform Heterotrophic Plate Count (HPC) measurements. Since most bacteria, including many of the bacteria associated with drinking water systems, are heterotrophs, this test can provide useful information about water quality. In 2014 the HPC results for our storage tanks were negative (no heterotrophs were found). The HPC results for our filter systems can be found in the 2015 Drinking Water Quality Report Supplement. Please see page 6 for more information on this report.



EDUCATIONAL INFORMATION

Well Monitoring for Total Coliform

In addition, all SCWA wells prior to chlorination (source water monitoring) and the chlorinated water leaving the pump stations are tested quarterly for total coliform bacteria as required. As part of the GWR, EPA also requires reporting E. coli when found in source water monitoring. In 2014, all source water monitoring samples were E. coli-negative (no E. coli was found), except as noted in the chart below. Additional samples from these wells were total coliform-negative (no coliforms, including E. coli were found), and no sanitary deficiencies were found. In 2014, all samples collected after chlorination were total coliform-negative (no coliforms, including E. coli were found), except as noted in the chart below. Additional samples from these wells were total coliform-negative (no coliforms, including E. coli were found), and no sanitary deficiencies were found.

2014 Microbiological Test Results for Wells

Well Location	Collection Point at Pump Station	Test Results
Distribution Area 6*	Raw (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 15*	Raw (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 23*	Raw (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 30*	Raw (prior to chlorination)	Total coliform-positive, E. coli-positive

** Please see map on pages 32 and 33 for the distribution area location*

June 2014 Fire Island Water Alert - System Found Safe

On June 21, 2014 the SCWA issued a Drinking Water Warning for the Fire Island communities of Ocean Bay Park and Point O' Woods indicating the presence of E. Coli in water samples collected by the Suffolk County Department Health Services on June 19th and June 20th. The SCWA and SCDHS conducted independent testing on June 21st and June 22nd throughout the distribution system and public supply wells. Based on the Total Coliform negative results identified during the extensive testing by both groups, the boil water advisory was rescinded on June 23, 2014. A thorough investigation was performed by the SCDHS, but the cause of the event could not be determined.

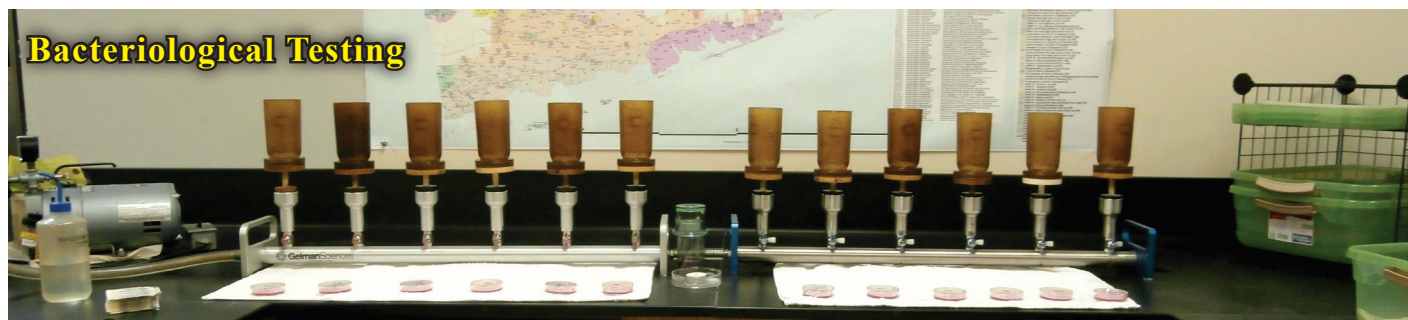
Chlorine Residual Monitoring (Tier 3) and Treatment Technique (Tier 2) Violations

The Suffolk County Water Authority is required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. On November 9, 2011 a new regulation to address the Ground Water Rule went into effect in New York State. In order to comply with this rule, the Authority uses continuous, on-line chlorine analyzers. Approximately 12 of the Authority's 234 pump stations do not currently have continuous chlorine analyzers. The Ground Water Rule requires daily grab samples for these sites. During the period November 9, 2011 through the second quarter of 2015, there were several occasions when grab samples were not taken for chlorine residual at these sites, and therefore the Authority cannot be sure of the chlorine residual of the drinking water at the entry point to the distribution system at these sites on those days.

A review of SCWA records also indicates that at two locations violations occurred under the Ground Water Rule. At the Pleasant Avenue pump station in Centereach the presence of a pre-lube bypass allowed a small amount of water with no free chlorine residual to flow from the high pressure zone into the intermediate pressure zone. At the Watch Hill well at Fire Island, on at least one occasion the well ran for more than four hours when the chlorine residual was less than required at the entry point to the distribution system. These situations have been corrected. Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea and associated headaches. In addition to entry point sampling, SCWA conducts daily distribution system monitoring for chlorine residual in accordance with health department regulations. This monitoring indicates that a chlorine residual was present in the distribution system whenever a sample was taken.

EDUCATIONAL INFORMATION

Bacteriological Testing



STAGE 2 DISINFECTANTS and DISINFECTION BYPRODUCTS RULE (Stage 2 DBPR) MONITORING

The SCWA is required to use a disinfectant to reduce the potential of microbial contamination. Minute amounts of chlorine are used to prevent bacterial growth in our distribution system. Disinfectants, such as chlorine, can react with the naturally occurring components in water to form byproducts referred to as disinfection byproducts (DBPs). DBPs, if consumed in excess of the MCLs over many years, may lead to increased health risks. To increase public health protection by reducing the potential risk of adverse health effects associated with DBPs from the required chlorination of our drinking water, the SCWA tests for two types of DBPs - Trihalomethanes (THMs) and Haloacetic Acids (HAAs). The MCL is 80 ppb for the sum of the four THMs, and for the sum of five HAAs the MCL is 60 ppb.

The Stage 2 Disinfectant and Disinfection Byproducts Rule (DBPR) is an EPA regulation that requires us to monitor our distribution system quarterly for four THMs (chloroform, bromodichloromethane, dibromochloromethane, and bromoform) and five HAAs (monochloroacetic acid, dichloroacetic acid, trichloroacetic acid, bromoacetic acid, and dibromoacetic acid). The chart below includes the range of quarterly results for the sum of the two groups of DBPs and the highest Locational Running Annual Average as required. The SCWA also monitors the wells and storage tanks for various other DBPs, including chlorate and four additional HAAs. The 2014 disinfection byproducts results for each distribution area are noted on pages 34 through 42.

2014 Stage 2 DBPR Test Results

Detected Compound		Total Trihalomethanes				Haloacetic Acids			
Likely Source		Byproduct of chlorination				Byproduct of chlorination			
MCL		80				60			
MCLG		N/A				N/A			
Unit of Measure		ug/L				ug/L			
		Range of Readings				Range of Readings			
Location	Sample Site	Low Value	High Value	Annual Average	No. of Tests	Low Value	High Value	Annual Average	No. of Tests
SCWA	1	1.79	6.03	4.30	4	ND	0.53	ND	4
	2	1.92	6.14	4.70	4	ND	1.81	0.74	4
	3	ND	3.18	2.10	4	ND	ND	ND	4
	4	6.41	32.56	20.21	4	0.42	4.11	1.98	4
	5	7.25	21.55	16.34	4	1.35	4.39	2.90	4
	6	3.27	16.20	8.58	4	ND	1.33	0.83	4
	7	0.63	6.63	2.42	4	ND	0.69	ND	4
	8	0.52	5.29	2.38	4	0.50	4.79	2.33	4
FHWD	1	0.61	4.47	2.55	4	ND	5.77	2.54	4
	2	0.45	8.52	3.28	4	0.42	7.58	3.08	4
EFWD	1	ND	ND	ND	4	ND	0.98	ND	4
	2	0.27	3.13	1.38	4	ND	0.45	ND	4
SBWD	1	1.46	4.36	2.97	4	ND	0.41	ND	4
	2	0.36	1.20	0.74	4	ND	ND	ND	4
RSWD	1	0.80	2.34	1.61	4	ND	ND	ND	4
	2	1.77	3.25	2.55	4	ND	ND	ND	4

EDUCATIONAL INFORMATION

LEAD

If present, elevated levels of lead can cause serious health problems, especially for pregnant women, infants, and young children. 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. SCWA is responsible for providing high quality drinking water, but is not responsible for the variety of materials used in a homeowner's plumbing. If you haven't run your water for several hours, you can minimize the potential for lead

exposure by running 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. To schedule a lead test, please contact our Customer Service Center (contact information listed on back page). Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at www.epa.gov/safewater/lead.

Lead and Copper Rule (LCR) Monitoring

This EPA regulation requires public water systems to monitor drinking water at specific customers' taps every three years. To check the effectiveness of our pH treatment and to ensure the quality of our drinking water the SCWA performs this testing every year. If lead levels exceed 15 parts per

billion (ppb) or copper levels exceed 1.3 parts per million (ppm) in more than 10% of these samples, we must improve our corrosion control (pH treatment). Based on our 2014 LCR results, we have optimal corrosion control. Additional information on our pH treatment can be found on page 9.

2014 Lead and Copper Test Results

The values reported below for lead and copper represent the 90th percentile of the total number of samples collected in each water system. A percentile is a value on a scale of 100 that indicates the percentage of a distribution that is equal to or below it.

Compound	Unit of Measure	MCLG	Action Level	Likely Source
Lead	ug/l	0	15.	Household plumbing

Location	Violation Yes/No	Date of Sampling	Number of Samples	Results ug/l	90th Percentile Value (ug/l) ^{1,2}	No. of Samples Over Action Level
SCWA	No	8/4-9/9	61	ND-2.97	1.20	0
Fire Island	No	7/11-9/23	25	ND-7.67	4.84	0
Stony Brook	No	8/25-9/5	23	ND-3.65	1.18	0
Riverside	No	8/12-8/27	12	ND-ND	<1.00	0
E. Farmingdale	No	8/19-9/2	20	ND-3.17	1.15	0

Compound	Unit of Measure	MCLG	Action Level	Likely Source
Copper	mg/l	1.3	1.3	Household plumbing

Location	Violation Yes/No	Date of Sampling	Number of Samples	Results mg/l	90th Percentile Value (mg/l) ^{1,2}	No. of Samples Over Action Level
SCWA	No	8/4-9/9	61	ND-0.595	0.303	0
Fire Island	No	7/11-9/23	25	0.024-0.780	0.611	0
Stony Brook	No	8/25-9/5	23	0.069-0.538	0.341	0
Riverside	No	8/12-8/27	12	0.034-0.248	0.117	0
E. Farmingdale	No	8/19-9/2	20	0.036-0.424	0.294	0

(1) - The 90th percentile value is equal to or greater than 90% of the lead values detected in the water system.

(2) - In this case, 141 total samples were collected from the water systems shown above and the 90th percentile values ranged from ND to 4.84 ug/l for lead. The action level for lead was not exceeded at any of the 141 sites tested.

(1) - The 90th percentile value is equal to or greater than 90% of the copper values detected in the water system.

(2) - In this case, 141 total samples were collected from the water systems shown above and the 90th percentile values ranged from 0.117 to 0.611 ug/l for copper. The action level for copper was not exceeded at any of the 141 sites tested.



EDUCATIONAL INFORMATION

LONG ISLAND COMMISSION FOR AQUIFER PROTECTION - LICAP

The Long Island Commission for Aquifer Protection (LICAP) is a bi-county entity formed to address both quality and quantity issues facing Long Island's aquifer system, and to advocate for a coordinated, regional approach to groundwater resources management. It is comprised of both voting and non-voting members of public water suppliers, health officials, elected officials, environmental officials, academia and the general public. Collectively these individuals represent 3 million people who reside in Nassau and Suffolk County and rely on the groundwater beneath each county as their sole source of drinking water.

LICAP's primary purpose is to report on the state of our aquifer and recommend additional proactive measures that should be taken to safeguard our aquifer system for future generations. To accomplish this, LICAP established two subcommittees, the 2040 Water Resources and Infrastructure Subcommittee (2040 WRIS) and the Water Resource

Opportunities Subcommittee (WROS). A Water Quality Management Working Group has also been established to facilitate sharing of water quality data island-wide. LICAP will produce an annual State of the Aquifer Report and a Groundwater Resources Management Action Plan by 2017.

Since its creation by both the Nassau and Suffolk County Legislatures at the end of 2013, LICAP has held five full commission meetings, six subcommittee meetings, and two public hearings, one each in Nassau and Suffolk County. The full commission meets quarterly, the subcommittees meet bimonthly, and at least one public hearing is held annually in each county.

All meetings of LICAP are open to the public. For more information on LICAP please visit the website <http://www.liaquifercommission.com/home.html>.

Long Island Commission
on Aquifer Protection

RADIONUCLIDES and RADIOLOGICAL MONITORING

Gross Alpha and Gross Beta

Most drinking water sources have very low levels of naturally occurring radioactive elements called radionuclides. These levels are low enough not to be considered a public health concern. Radionuclides can be present in several forms called isotopes which emit different types of radioactive particles called alpha or beta. Radioactivity in water is measured in picoCuries per liter (pCi/L). The EPA has set the maximum contaminant level (MCL), the highest level allowed in drinking water, for gross alpha (all alpha emitters except uranium and radon) at 15 pCi/L. NYS considers 50 pCi/L of gross beta activity to be the level of concern for gross beta. The gross alpha and gross beta results for each distribution area are noted in the chart on page 19.

Tritium

Some radionuclides emit gamma (also called photon) radiation. Common byproducts from nuclear reactors and waste, such as cesium-137, emit gamma radiation (also called photon emitters). Due to differences in energy levels, the MCL in pCi/L for a particular photon emitter will depend on the type of radionuclide present. Tritium, a radioactive isotope of the element hydrogen, is a weak beta emitter. It occurs naturally in the environment in very low concentrations, and may also be produced during nuclear weapon explosions and as a byproduct from nuclear reactors. The EPA has set a 20,000 pCi/L MCL for tritium.

In 2014 we monitored 30 wells near Brookhaven National Laboratory for gross alpha and beta particles, tritium, and gamma radiation. These wells are located in distribution areas 12, 20, and 39. The gross alpha and gross beta results for these areas are listed in the chart on page 19. There were no detections of tritium or gamma radiation in the 76 samples tested.

Radium-226 and Radium-228

Radium, a naturally radioactive metal, occurs at very low levels in virtually all rock, soil, water, plants, and animals. Radium-226 and radium-228 are isotopes of radium. The EPA has set a combined MCL of 5 pCi/L for radium-226 and radium-228. If radium-226 is not tested, the gross alpha measurement is substituted for radium-226 to determine compliance with the MCL. Some people who drink water containing radium-226 or radium-228 in excess of the MCL over many years may have an increased risk of getting cancer.

From October 2007 through 2009, we monitored a well in each aquifer at all our well fields for gross alpha, gross beta and radium-228 as required, and presented the results for each year in our Drinking Water Quality Reports. Since that time, quarterly monitoring at new well fields or at new wells placed at a well field where the aquifer had not been monitored previously and continuing monitoring on existing wells as required has been performed. The results for each distribution area are noted in the chart on page 19.

EDUCATIONAL INFORMATION

Radon

Radon, a naturally occurring radioactive gas found in soil and outdoor air, may also be found in drinking water and indoor air. Some people exposed to elevated radon levels from sources including drinking water may, over many years, have an increased risk of developing cancer. The main risk from radon is lung cancer entering indoor air from soil under homes. For further information, call the state radon program at (800) 458-1158 or call the EPA's Radon Hotline at (800) SOS-Radon.

In 2014 we monitored for radon at 80 locations throughout our distribution system. The results for each distribution area are noted in the chart shown below. The test results ranged from non-detect (no radon found) to 239.4 pCi/L of radon. Currently there is no MCL for radon. The EPA is proposing to require water suppliers to provide water with levels no higher than 4,000 pCi/L of radon.

2014 RADIOLOGICAL TEST RESULTS

Detected Compound	GROSS ALPHA				GROSS BETA				RADON-222				RADIUM-226				RADIUM-228			
Likely Source	Erosion of Natural Deposits				Natural deposits, man-made emissions				Naturally occurring radioactive gas				Erosion of Natural Deposits				Erosion of Natural Deposits			
MCL	15				50				N/A				5				5			
MCLG	0				0				0				0				0			
Unit of Measure	pCi/L				pCi/L				pCi/L				pCi/L				pCi/L			
	Range of Readings				Range of Readings				Range of Readings				Range of Readings				Range of Readings			
Distribution Area	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests
1	ND	ND	ND	18	ND	ND	ND	18	ND	138.3	ND	10	ND	ND	ND	8	ND	ND	ND	8
4	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
5	ND	ND	ND	2	ND	2.26	ND	2	220.2	220.2	220.2	1	ND	ND	ND	1	ND	ND	ND	1
6	ND	2.00	ND	5	ND	ND	ND	5	165.7	166.5	166.1	2	ND	ND	ND	3	ND	ND	ND	3
7	ND	ND	ND	2	ND	ND	ND	2	116.7	116.7	116.7	1	ND	ND	ND	1	2.09	2.09	2.09	1
8	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
9	ND	ND	ND	2	ND	ND	ND	2	ND	118.4	ND	2	NA	NA	NA	0	NA	NA	NA	0
10	ND	1.80	ND	6	ND	ND	ND	6	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	4
11	ND	2.53	ND	13	ND	ND	ND	13	ND	102.2	ND	2	ND	1.50	ND	11	ND	1.75	ND	11
12	ND	4.45	ND	64	ND	3.50	ND	64	ND	165.0	ND	13	ND	ND	ND	12	ND	ND	ND	12
14	ND	ND	ND	3	ND	ND	ND	3	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	1
15	ND	ND	ND	17	ND	ND	ND	17	ND	128.2	ND	6	ND	ND	ND	11	ND	ND	ND	11
20	ND	2.12	ND	41	ND	2.98	ND	41	ND	ND	ND	5	ND	ND	ND	5	ND	ND	ND	5
23	ND	ND	ND	11	ND	3.14	ND	11	ND	199.9	125.2	6	ND	ND	ND	5	ND	ND	ND	5
26	ND	ND	ND	4	ND	ND	ND	4	ND	239.4	113.1	3	ND	ND	ND	1	ND	ND	ND	1
30	ND	ND	ND	11	ND	2.91	ND	11	ND	ND	ND	3	ND	ND	ND	8	ND	ND	ND	8
32	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
35	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
39	ND	ND	ND	6	ND	ND	ND	6	ND	ND	ND	1	ND	ND	ND	3	ND	ND	ND	3
44	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
53	ND	ND	ND	4	ND	ND	ND	4	ND	ND	ND	4	NA	NA	NA	0	NA	NA	NA	0
54	ND	ND	ND	4	ND	ND	ND	4	ND	ND	ND	4	NA	NA	NA	0	NA	NA	NA	0
55	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
57	ND	ND	ND	8	ND	ND	ND	8	ND	157.9	104.0	2	ND	ND	ND	6	ND	ND	ND	6
EFWD	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	2	NA	NA	NA	0	NA	NA	NA	0
RSWD	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
SBWD	ND	ND	ND	2	ND	ND	ND	2	103.2	123.8	113.5	2	NA	NA	NA	0	NA	NA	NA	0

EDUCATIONAL INFORMATION



Volatile Organics Testing



Semi-Volatile Organics Testing

IRON

Iron is naturally occurring in ground water and has no adverse health effects. At 1,000 ppb (parts per billion) of iron a substantial number of people will note a bitter astringent taste. Also, at this level, it imparts a brownish color to laundered clothing and stains plumbing fixtures with a characteristic rust color. Staining can result at 50 ppb of iron, which is lower than detectable to taste buds.

Therefore, an MCL of 300 ppb represents a reasonable compromise as adverse aesthetics effects are minimized at this level. Many multivitamins may contain 3,000 or 4,000 micrograms (ppb) of iron per capsule. Additional information on our iron removal, treatment and water main flushing can be found on page 9, and the 2014 iron results for each distribution area are noted on pages 34 through 42.

MONITORING FOR TASTE AND ODOR CAUSING COMPOUNDS

IPMP (2-isopropyl-3-methoxypyrazine), produced by specific types of soil bacteria, causes a “raw potato” like taste and/or odor in drinking water. Some individuals may be sensitive to the taste and odor of IPMP at extremely low levels. There are no known health effects from this compound, nor has an MCL been set by EPA. Two wells in

Coram have IPMP, and in 2012 a filtration system to remove IPMP from the water was placed in operation. In addition to IPMP, two other odor-causing compounds were also tested for. In 2014, the filtered water results for the two wells in Coram were non-detect or no IPMP or odor-causing compounds were found in all samples.

NITRATE

Nitrate, commonly found in drinking water, has an MCL of 10 mg/L (milligrams per liter). This means that 10 mg/L is the highest level of nitrate allowed in drinking water. Nitrate in drinking water at levels above 10 mg/L is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue-baby syndrome, where the blood's ability to carry oxygen is inhibited. Please note that there has never been a recorded case of blue-baby syndrome in Suffolk County. If your water contains nitrate above 5 mg/L (half of the current MCL) but below 10 mg/L, and you are caring for an infant under the

age of six months, you should ask for advice from your health care provider. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. Annual nitrate monitoring of the distribution system and at wells where the level is less than 5 mg/L is required. Quarterly monitoring is required at wells where the nitrate level is 5 mg/L or greater. To ensure the quality of our drinking water, we monitor more frequently than required. The 2014 nitrate results for each distribution area are noted on pages 34 through 42.

SPECIAL INFORMATION FOR IMMUNO-COMPROMISED INDIVIDUALS

Some people may be more vulnerable to disease causing microorganisms or pathogens 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, some elderly, and infants can be particularly at risk from infections. These people should seek advice from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium*, *Giardia* and other microbiological contaminants are available from the EPA's Safe Drinking Water Hotline at (800) 426-4791. Individuals who think they may have cryptosporidiosis or giardiasis should contact their health care providers immediately. New York State law requires water suppliers to notify their customers about the risks of cryptosporidiosis and giardiasis. Cryptosporidiosis and giardiasis are intestinal illnesses caused by microscopic parasites found in surface water and groundwater under the influence of surface water. There have been no known outbreaks of cryptosporidiosis or giardiasis linked to any public water supplies in Suffolk County. For more information on cryptosporidiosis and giardiasis, please contact the Suffolk County Department of Health Services at (631) 852-5810.

WHAT'S NEW AT SCWA

SCWA Water Named Best Tasting in Suffolk County

After being named the best tasting water in Suffolk County in 2012 and the best tasting on all of Long Island in 2013, the Suffolk County Water Authority again won the best tasting water contest in Suffolk for 2014 (a best tasting water contest for all of Long Island was not held in 2014). The contest is sponsored annually by the Long Island Water Conference.

“Our top priority is providing our customers with some of the safest drinking water that can be found anywhere,” said SCWA’s Chief Executive Officer Jeff Szabo. “But we’re thrilled that Long Island residents also found our water to be the best tasting.”



ON OUR WEBSITE: WWW.SCWA.COM

Got Five Minutes? Check out our new educational videos! The SCWA now has a way for you to get up to speed about a variety of topics concerning water. Go to www.scwa.com and look at the bottom of the home page for links to five-minute videos on topics including:

The journey of a drop of water from a cloud to your faucet. This video takes you on a tour through the water cycle and our intricate system of providing you with the best water you can get anywhere.

Water technology in the 21st Century. Ever wonder how we are able to keep water flowing through thousands of miles of pipes? This video gives you a tour of our production control facilities, and also highlights our new system of reading meters by just driving past your home or business.

A Ripple in Time. This video gives you a brief history of SCWA, starting with its inception in 1951.

SCWA water versus bottled water. This video takes you on a tour of our state-of-the-art laboratory. You’ll learn about the rigorous testing our water goes through before it gets to your faucet.

Preserving our groundwater. In this video, we tell you about the various steps you can take to make sure our underground aquifer system, the source of all of our water, stays as pure as possible.

Your questions, our answers. Ever wonder why water is stored in elevated tanks? In this video, our Customer Service clerks answer your most commonly asked questions.

Go Green: Sign Up for e-Billing Today!



Even when you're paying bills, you can be helping the environment. The Suffolk County Water Authority now offers e-Billing, a quick, easy and environmentally-friendly way to pay your water bill.

With e-Billing, you can manage various aspects of your water account without leaving a paper trail. You can receive your bill electronically; set up automated payments from your checking or savings account; make a one-time payment; and view your current and past bills online.

For more information or to sign up, go to www.scwa.com.

HOW TO READ YOUR WATER QUALITY DATA

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 4				
Detected Compound	Likely Source	MCL	MCGL	Unit of Measure	Violation Yes/No	Range Of Readings			
						Low Value	High Value	Avg. Value	No. Of Tests
Inorganics									
Alkalinity, total	Naturally occurring	n/a	n/a	mg/L	No	25.6	33.0	31.0	8
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.10	0.05	8
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	8
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	8
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	ND	ND	8
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	0.11	ND	38
Bromide	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	8
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	8
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	ND	1.4	0.6	38
CO ₂ , calculated	Naturally occurring	n/a	n/a	mg/L	No	3.2	16.9	10.1	8
Chloride	Naturally occurring, salt water intrusion	250	n/a	mg/L	No	2.9	3.7	3.2	8
Chromium, total	Natural deposits	100	100	ug/L	No	ND	ND	ND	8
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	8
Color	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	6	ND	8
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.02	ND	8
Dissolved Solids, total	Naturally occurring minerals and metals	n/a	n/a	mg/L	No	53	62	60	8
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	8
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	ND	3.8	ND	38
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	0.06	0.04	8
Iron	Naturally occurring	300	n/a	ug/L	Yes	184	695	289	38
Lead	Household plumbing, lead solder	AL=15	0	ug/L	No	ND	1.8	ND	8
Lithium	Naturally occurring	n/a	n/a	ug/L	No	3.5	4.2	3.8	8
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	38
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	38
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	8
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	ND	ND	8
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	ND	ND	8
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	ND	ND	8
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	0.39	ND	38
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	7.3	6.8	8
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	7.6	7.0	8
Potassium	Naturally occurring	n/a	n/a	mg/L	No	1.15	1.65	1.29	38
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.1	4.3	4.2	8

A

DETECTED COMPOUNDS - compounds found during testing include naturally occurring compounds and contaminants. (On page 7 you will find the list of compounds that were not found in our drinking water).

B

LIKELY SOURCE - where the detected compound might come from.

C

MAXIMUM CONTAMINANT LEVEL (MCL) - the highest amount of a compound allowed in drinking water.

MAXIMUM CONTAMINANT LEVEL GOAL (MCLG) - there is no known or expected health risk for a compound in drinking water below this level.

HOW TO READ YOUR WATER QUALITY DATA

D **UNITS OF MEASURE** - metric units used to describe the amount of the compound present (see chart below for definitions).

E **DISTRIBUTION AREA**

SCWA's service area, all the areas we supply water to, is divided into 27 distinct geographical areas called Distribution Areas. Each area is numbered. The map on pages 32 and 33 shows the boundaries of each area.

On pages 24 to 31 is the Distribution Area Index which lists all SCWA Distribution Areas by town. Some towns have more than one Distribution Area so please read carefully. Once you know the Distribution Area number for your home, school, business or other area of interest, you can then find the water quality results in the tables located on pages 34 through 42.

F **RANGE OF READINGS FOR DETECTED COMPOUNDS**

Violation - compound has exceeded the MCL.

Low Value - the lowest amount of the chemical found in all water samples collected during the year for the distribution area noted.

High Value - the highest amount of the chemical found in all water samples collected during the year for the distribution area noted.

Average Value - the average amount of the chemical found in all the water samples collected during the year for the distribution area noted. **This is the amount of the chemical that would typically be present in your drinking water on any given day during the year.**

No. of Tests - the total number of water samples collected for the chemical during the year in the distribution area noted.

Smaller distribution areas that have few wells will have fewer samples collected during the year than large distribution areas with many wells.

G **TYPES OF DETECTED COMPOUNDS**

Broad categories based on chemical characteristics.

Water Quality Data Key Terms and Definitions

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLG as possible.

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 allow for a margin of safety.

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

Micrograms per liter (ug/l): corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).

Milligrams per liter (mg/l): corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).

Nanograms per liter (ng/l): corresponds to one part of liquid to one trillion parts of liquid (parts per trillion - ppt).

Picocuries per liter (pCi/L): Picocuries per liter is a measure of the radioactivity in water.

Nephelometric Turbidity Unit (NTU): A measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Micromhos per centimeter (umho/cm): A measure of the total amount of naturally occurring minerals in the water.

n/a: Not Applicable

ND: Not Detectable at testing limit.

WATER DISTRIBUTION AREA INDEX

HOW TO USE THIS INDEX

This index lists all SCWA Distribution Areas for the water quality results on pages 34 through 42. Page 22 and 23 has a guide for understanding your water quality and page 7 lists compounds that were not found in our drinking water.

Find the town or community of interest in the first column labeled "TOWN". Next to the town under the second column labeled "DISTRIBUTION AREA", is a number. This is the number of the Distribution Area which serves water to your home, school, business or other area of interest. You can then find this Distribution Area in one of

the water quality tables located on pages 34 through 42. Many of the towns listed in this index are served by more than one Distribution Area, so please read the street descriptions carefully.

The map on pages 32 and 33 shows the boundaries of each area. If you locate your town or community, you can use the map rather than the Index to find your Distribution Area. Also listed on the map are the number of wells which serve each Distribution Area.

TOWN	Distribution Area
Amagansett Areas except Fresh Pond Rd (S of Deep Woods Ln), Hawks Nest Ln, Canvasback Ln, Abraham's Landing (E. of Fresh Pond Rd), Devonshire Ln, Katie Ln, W. side of Cross Hwy.	23
Amagansett Fresh Pond Rd (S of Deep Woods Ln), Hawks Nest Ln, Canvasback Ln, Abraham's Landing (E. of Fresh Pond Rd), Devonshire Ln, Katie Ln, W. side of Cross Hwy.	57
Amityville, North Amityville	1
Atlantique, Fire Island	53
Babylon	1
Bay Shore, North Bay Shore, West Bay Shore, Brightwaters	1
Bayport	1
Bellport, North Bellport, West Bellport S. of Sunrise Hwy. and a small area N. of Sunrise Hwy. E. of C.R. 101 (Patchogue Yaphank Rd.), W. of Station Rd. up to and including Harrison Ave. but excluding the outlet mall.	1
Bellport North of Sunrise Hwy. (except area noted above)	12
Blue Point	1
Bohemia S. of Veterans Hwy. (except area below)	1
Bohemia N. of Veterans Hwy.; additionally, S. of Veterans Hwy. around Connetquot H.S., on or W. of Sycamore Ave. and N. of Connetquot State Park.; Also Locust Ave. S. of Veterans Hwy. to Union St.; Orville Dr. S. to Church St., and including, Wilbur Pl.; Johnson Ave. S. to Church St. including Keyland Ct., Corporate and Aero Drives.	12
Brentwood, Edgewood (Heartland Industrial Park) Area W. of Sagtikos and N. of LIRR. Includes Heartland Industrial Park area N. to Dix Hills Water District. Also W. of Sagtikos and S. of LIRR E. of, or on, Carll's Path, S. to Grand Blvd. then, E. along Grand Blvd. to Commack Rd., then all areas accessible from Grand Blvd. N. of, but not on, Crossway Dr. and / or Headline Rd. W. to the Babylon town line. Also E. of Sagtikos and S. of L.I.E. (Rte. 495) to LIRR / Pine Aire Dr. Includes area S. of LIRR along North Gardiner Dr. to Hemlock Dr., E. along Elm Dr., to Elsie Dr., S. to Flo Dr. Also N. of Sweenydale Ave., and Massachusetts Ave., E. to Forks Rd. on New Hampshire Ave., E. to, but not including, Illinois Ave. on Wisconsin Ave. and Michigan. S.E. along Candlewood Rd. to Hilltop Dr.	12
Brentwood Water District	12
Brentwood All other Southern or Western Brentwood areas	1
Bridgehampton, Scuttlehole S. of LIRR.; on, or off of, Snake Hollow Rd., the southern half of Mitchell Ln., or the entire length of Sag Harbor Tpke. and cross streets to the east.	23

WATER DISTRIBUTION AREA INDEX

TOWN	Distribution Area
Bridgehampton, Sag Harbor W. of, but not on, Sag Harbor Tpke. S. of Scuttlehole Rd.; on, off of, or N. of LIRR; Brick Kiln Rd. N. to Saint Andrews Cemetary. Stony Hill Rd. and served areas west of Noyac Rd., N. to intersection with Stony Hill Rd. (see also "Sag Harbor").	23
Brookhaven S. of Sunrise Hwy. and W. of Carmans River (S. to Great South Bay)	1
Camp Hero, Montauk Point	26
Center Moriches	20
Centereach, South Centereach Centereach - All areas S. and / or W. of Nichols Rd. and E. of, but not on Washington Ave. South Centereach - N. of Wanda Terrace, Linden Ln., Grendon Ln., Hermart Ln., Crossover Dr., Peak St., Northfield Dr., W. of Morris Ave., E. of "C" St., and S. of Portion Rd., only.	12
Centereach, South Centereach Centereach - Includes N. and S. Centereach. Areas S. of, but not on, Middle Country Rd. and / or on, or W. of, Washington Ave. South Centereach - S. of Wanda Terrace, Linden Ln., Grendon Ln., Hermart Ln., Crossover Dr., Peak St., Northfield Dr., W. of "C" St., and S. of Portion Rd. only.	15
Centerport N. of, W. of, or on, Old Field Rd. or Centerport Rd.	6
Centerport N. of, or on Harbor Circle; W. of, or on, Ft. Salonga Rd. or Washington St. (S. of this area is Greelawn Water District)	8
Central Islip	12
Cherry Grove, Fire Island	54
Cold Spring Harbor	6
Commack Area W. of Sunken Meadow State Pkwy., N. of or on Burr Rd. Also area E. of Town Line Rd. but W. of Sunken Meadow Pkwy. S. to and including Hubbel St. and N. of Vance St.	10
Commack, East Commack E. of Sunken Meadow State Pkwy., N. of Northern State Pkwy.	11
Copiague, Amity Harbor	1
Coram, Gordon Heights Except area, on, or off of, Granny Rd. E. between Rte. 112 and Coram Yaphank Hill Rd. Also areas on Rte. 112 S. of Granny Rd. Includes all areas W. of Rte. 112 S. to Horseblock Rd.	15
Coram S. of Horse Block Rd. and Country Rd. (includes southern areas not covered above).	12
Corneille Estates, Fire Island	53
Cutchogue Mathews La. and Dylan Terrace area	30
Davis Park, Fire Island	55
Deer Park (All areas S. of LIRR not covered below)	1
Deer Park All areas N. of LIRR. Also area S. of LIRR E. of or on Carll's Path, S. to Grand Blvd. then, E. along Grand Blvd. to Commack Rd., then all areas accessible from Grand Blvd. N. of, but not on Crossway Dr. and / or Headline Rd. to the Babylon town line (Including all areas N. to Dix Hills Water District).	12
Dunewood, Fire Island	53

WATER DISTRIBUTION AREA INDEX

TOWN	Distribution Area
East Farmingdale Water District	EFWD
East Hampton (except Sag Harbor and Montauk area), Freetown Springs All areas from the town line E. to, but not including, Hither Hills State Park or points E.,	23
East Islip	1
East Marion	30
East Moriches	20
East Northport S. of Middleville Rd., W. of Sagtikos Pkwy., W. to boundary with Greenlawn Water District near Elwood Rd.	10
East Quogue, Oakville	20
East Setauket N. or E. of LIRR; N. or W. of Hulse Rd. or California Ave.	14
East Setauket (South Setauket) S. of LIRR; Hulse Rd., Canterbury Ct.; E. of, or on, California Ave., S. of N. Country Rd. from California Ave. E.	15
Eastport S. of Sunrise Hwy.	20
Eastport N. of Sunrise Hwy.	12
Fair Harbor Water District, Fire Island	53
Farmingville S. of Horse Block Rd., N. of, or on, Horse Block Rd., W. of Berkshire Dr., W. of, or on, Roberta Ave, S. of Rutgers Rd & Fourth St, E. of Waverly Av, Columbus Ave, & Eton Rd, N. of Portion Rd & Campus Dr.	12
Farmingville N. of, or on, Horse Block Rd., E. of Berkshire Dr.	15
Flanders Areas E. of Rte 105, on or N. of Kings Pl./Grant Ct. and easterly ponds, S. of Peconic Bay, E. of Goose Creek, Flanders & Birch Creek Cty Parks.	39
Great River, Great River North Great River North - W. of, or on Connetquot Ave., S. of Babylon St.; E. of Connetquot Ave., S. of Atlantic St.	1
Great River North N. of, or on, Atlantic St. and N. of, or on Babylon St.	12
Greenport	30
Halesite	6
Hauppauge, South Hauppauge	12
Holbrook, East Holbrook From LIRR S. to areas N. of Veterans Hwy. (Rte. 454) or N. of Patchogue Holbrook Rd. except: Lincoln Ave. N. of Veterans Hwy on or off of, Grundy Ave. S. of Pearl St. Also, Eastern Holbrook, E. of Nicolls Rd. or Woodside Ave. Does not include areas S. of Woodside that are E. of Waverly Ave. Also, W. of Nicolls Rd. on Greenbelt Parkway and N. of Iverness Rd. All other East Holbrook areas N. of Iverness Rd. On, or off of, Shadow Grove, Santa Anita, Sequoia Way.	12
Holbrook, South Holbrook W. of Nicolls Rd. on, or off of, Greenbelt Parkway S. of, or on, Iverness Rd. All areas S. of Iverness Rd. E. of Broadway.	1
Holtsville	12

WATER DISTRIBUTION AREA INDEX

TOWN	Distribution Area
Huntington, E. Huntington, E. Neck, W. Neck, Lloyd Harbor, Lloyd Neck Huntington Station (Greater Huntington Area; includes portions of , Huntington Station. Various smaller areas within the greater Huntington area are further subdivided and described in subsequent entries. Read all entries to determine the appropriate zone) Starting at the Nassau-Suffolk border by Cold Spring Harbor; N. of, on, and W. of, Saw Mill Rd. or Snowball Dr., E. or N. of Woodchuck Hollow; N. of Rogues Path (W. 11th Rd. and E. 11th Streets) or N. of Pulaski Rd. near Park Ave.; N.W. of Whitson and / or Lake Rds.; N.W. of, but not on, Old Field Rd. up to Centerport Harbor.	6
Huntington (Includes northern portions of Huntington Station. Read all entries to determine the appropriate distribution area). Areas E. of Hawkhurst, Rancher Pl., N. of E. 10th / E. 11th St., W. of Algonquin Dr., Osage Dr., and Park Ave., S. of Columbia Ave & Olive St.	7
Huntington (Rte. 110 / New York Ave. corridor in Huntington Village) Areas S. or E. of the intersection of W. Shore Rd. and Mill Dam Rd., E. of, or on Wall St. N. of Main. St., E. of Woodbury Rd., S. of Main St. but N. of High St.; N. of High St. or Dewey St., W. of but not on Spring Rd., N. to New York Ave. at Madison St., N. along both sides (about 1 block deep on E. side) of New York Ave. to and including, Young's Hill Rd., then N. including the area, and all treets, from Huntington Harbor shoreline E. to, but not including, Huntington Bay Rd.; then N. to the Huntington Bay Village Boundary (near Castle Harbor Ct., Bay Rd.)	5
Huntington Bay (Village of) Starting at the southern Village boundary at the intersection of Locust Ln. and Bay Rd.; areas W. of, but not including, Locust Ln.; N. to Upper Dr., then area W. of, and including Locust Ln., N. to coast.	5
Huntington Bay (parts of Village and surrounding area not contained in previous entry) E. of Bay and Locust Rds.; includes most of Halesite area, Crescent Beach, Knollwood Beach, and all areas around Centerport Harbor including Little Neck Rd.	6
Huntington (Half Hollow Hills and East Half Hollow Hills) S. of Strathmore Park (on, or off of, Burrs Ln.) or S. of Otsego Park on, or off of, Commack Rd.; S. of Euclid Ave., S. of Plymouth St., S. or E. of Seamans Neck Rd., Seneca Ave., Oakfield Ave. or Pine Acres Blvd.	12
Huntington (Huntington Manor) N. or W. of: North St., Columbia St., Tower St.; W. or S. of New York Ave. (Near Holdsworth Dr.), S. of, but including; Semon, Pine, Soundview, and Walnut Rds.; E. of Hawkshurst and Woodchuck Hollow Rds.	6
Islandia	12
Islip, Islip Terrace	1
Kings Park E. of Sunken Meadow Pkwy., S. of E. Northport Rd. and or Old Dock Rd., E. to boundary with Smithtown Water District.	11
Kings Park E. of Sunken Meadow Pkwy., N. of E. Northport Rd., Main St. (Rte. 25A), N and W along Old Dock Rd.; Includes areas N. along Kohr Rd. but S. of Valley Cedar Pl.	10
Kings Park N. of the other two Kings Park areas, to the coast, includes the coastal end of the Dock Rds.	9
Kismet, Fire Island	4
Lake Grove S. of Middle Country Rd. (Rte. 25) Also the neighborhoods N. of Middle Country Rd. accessed from Deitz Rd., New Holmstead Rd., Hawkton Pl. or Stony Brook Rd. S. of Hawk or Renown St., All areas E. of Stony Brook Rd. in zip code 11755.	12
Lake Grove Areas N. of Middle Country Rd and Rte 347 between Cambon Ave. (on the west) and Moriches Rd. (on the East) N. to Gordons Gate, Aesop La., and Glen Hill. All areas N. of Middle Country Rd. (Rte. 25) within the Township of Brookhaven.	15

WATER DISTRIBUTION AREA INDEX

TOWN	Distribution Area
Lake Ronkonkoma, Sachem, Lakeland Most of area except Cenacle of St. Regis and points east. Includes all areas and cul-de-sac accessible from Gatelot Ave., Sachem H.S. and areas N. of Smith Rd. W. of Sachem H.S. and E. to Balaton Ave. Then all areas N. of but not on Smith Rd.	12
Lake Ronkonkoma Areas west of the Cenacle of St. Regis (west to Hawkins Rd, north to Smith St and south to Portion Road) and points east. Areas S. of Smith Rd. E. of Sachem H.S. Then all areas on or S. of Smith Rd. The numbered streets and lettered avenues on both sides of Holbrook Rd. and areas just E. and just W. of those streets adjacent to Portion Rd.	15
Laurel	30
Lindenhurst, North Lindenhurst	1
Lonelyville, Fire Island	53
Manorville, South Manor	12
Mastic N. of Sunrise Hwy.	12
Mastic S. of Sunrise Hwy.	20
Mastic Beach	20
Mattituck (Greater Mattituck Area) Includes Captain Kidd Estates.	30
Medford Northern-most area: Areas along Coram and Yaphank Rd. Areas accessed from either Greentree Dr. off of Mill Rd., or from Bellport La. N. to Coram Hill and Coram.	15
Medford S. of and including, Horseblock Rd. Areas on Rte 112, not including Middle Island Rd. Area E. of Middle Island Rd. but S. of, or off of, Granny Rd., E. to intersection with Bellport Ave. and Mill Ave., E. along N. Dunton to Country Rd. E. along Mill Rd. but not including Bellport La., Greentree Dr. or areas N. (these are covered in Distribution Area 15). Also, all areas to the south and west of the area above, down to the intersection of North Ocean Ave and Bayside Blvd, then east along Bayside Blvd to Old Medford Ave; includes all areas east of Old Medford all areas N. and E. of Fish Ave and north of East Woodside, then east to include Thicket Rd., or Sunrise Hwy., E. to C.R. 101 / Patchogue-Yaphank Rd., Sills Rd., N. to Harrison Ave., E. along Harrison to Bellport Station Rd.	12
Middle Island W. of, but not including, Miller Place-Yaphank Rd. or Middle Island Rd.	15
Middle Island On, or E. of, Miller Place-Yaphank Rd. and on or N. of, Longwood Rd.	12
Middle Island On or E. of Miller Place-Yaphank Rd. and S. of Longwood Rd.	12
Miller Place	15
Montauk, Montauk Beach E. of Second House Rd., and on, or off of, East Lake Dr., N. of Montauk Point State Pkwy.; E. of Resource Recovery Center to, but not on, Dewitt Pl. or Dorset Dr. Montauk Beach - E. of Hither Hills State Park on Old Montauk Hwy. and Montauk State Blvd. All other SCWA service areas, and Camp Hero after July, 2008.	26
Moriches	20
Mount Sinai	15
New Suffolk	30
Nesconset	12

WATER DISTRIBUTION AREA INDEX

TOWN	Distribution Area
Nissequogue, Southwest Head of the Harbor N. of or on Spring Hollow Rd., N. of Quail Path. Buckingham Ct. and The Chase.	12
Nissequogue, Head of the Harbor, Western Head of the Harbor, Southwest Saint James South of Spring Hollow Rd., including Quail Path and areas south. Not including Nissequogue River Rd., Steep Bank Rd. Includes all areas on or off of Moriches Rd., Branglebrink Rd., Stone Gate and Old Post Rd., all areas on or off of 50 Acre Rd., Weatherhill La. and Weathercrest Ct., Frog Hollow and all roads off of Cord Wood Path. All areas not described herein are in Distribution Area 12. For Head of the Harbor, all areas except Buckingham Ct. and The Chase.	15
North Babylon	1
Northport On, W. of, or N. of, James, Bayview, Woodbine, or Fort Salonga Rds., W. of, but not on, Reservoir Rd.	8
Northport, Asharoken, Crab Meadow, Eatons Neck, Fort Salonga E. of, or on, Douglas Rd. and N. of Fort Salonga Rd. (except areas between Fort Salonga Rd. and Scudder Ave., Normandy Dr., Britney Ct., and Dover Place up to the intersection of Normandy Dr and Middleville Rd.)	9
Northport Areas off of, E. of, or on, Reservoir Ave. or Laurel Rd. between Fort Salonga Rd. and Scudder Ave.; S. of Fort Salonga Rd. or Middleville Rd. E. of Vernon Valley Rd. Also includes Normandy Dr., Britney Ct., and Dover Place up to the intersection of Normandy Dr and Middleville Rd.	10
Ocean Bay Park, Fire Island	54
Oakdale	1
Orient (Browns Hills only)	35
Patchogue, E. Patchogue, Hagerman (Includes Village of Patchogue) - N. to, and including Woodside Ave.	1
Patchogue, North - Area N. of Woodside Ave., and S. of L.I.E.(Rte. 495)	12
Peconic	30
Pilgrim State Psychiatric Center	12
Point O' Woods, Fire Island	54
Port Jefferson W. of Belle Terre Rd., on any cross street, N.E. or N.W. of Port Jeff. H.S.	14
Port Jefferson, Belle Terre All other areas not covered above	15
Port Jefferson Station, Terryville	15
Quogue	20
Remsenburg	20
Ridge, South Ridge	12
Riverside (Suffolk County Community College)	39
Riverside Water District	RSWD
Rocky Point	15
Ronkonkoma	12
Sagaponack	23
Sag Harbor (includes Village of Sag Harbor), Bridgehampton E. of Bayview Dr. W., Locust, Anchor, Clay Pit Rd. and Huntington Crossway, S. along Sag Harbor Tpke., W of Old Farm Rd., Sprig Tree Path and Whalers Dr. N. of Laurel Ln. and Middle Line Hwy., includes areas generally bounded by Joseph Francis Blvd., Carlisle Ln., Collingswood Dr. and N. of Kola Dr. Also includes all areas within actual Village boundaries (both Townships).	23

WATER DISTRIBUTION AREA INDEX

TOWN	Distribution Area
Saint James, Western Saint James Areas N. of, or on, Middle Country Rd., E. to and including Astor Ave. W. St. James area is W. of 50 Acre Rd., N. of LIRR to Nissequogue River Rd	12
Saint James Area N. of, or on, Middle Country Rd. and E. of Astor Ave.	15
Sayville	1
Selden, North Selden	15
Setauket, Poquott N. of LIRR tracks. Also includes the small group of cul-de-sacs N. of Lower Sheep Pasture Rd., E. off of Bennetts Rd. to the point where Pheasant Dr. meets Buckingham Way. Does not include area to N. E. of Stony Brook R.R. Station which is bounded by Quaker Path on the W., Ridgeway Ave. on the N., and N. Country Rd. both E. and S. of Ridgeway (see below for this area).	14
Setauket, South Setauket Includes area to N.E. of Stony Brook R.R. (S. Setauket) S. of LIRR; including on, or E. of, Quaker Path, S. of Ridgeway Ave., W. of N. Country Rd., and / or N. of N. Country Rd. All of South Setauket.	15
Shirley S. of Sunrise Hwy., E. of Carmans River	20
Shirley, North N. of Sunrise Hwy., E. of Carmans River	12
Shoreham Northern area of village; and Overhill Rd., Ashley La., Soundview Dr., Mary Pitkin Path and all points N., includes East Shoreham. Excludes areas shown below.	12
Shoreham Areas W. of village. Also includes part of village and area E. as follows: W. of South Gate on or off of Woodville Rd. N. to and including Suffolk Down or areas on or off of Briarcliff Rd. N. to Ashley La. or Soundview Dr.	15
Smithtown, Village of The Branch	12
Sound Beach	15
Southampton, North Sea	23
Southampton, Roses Grove, Noyack All areas served by SCWA on, or off of Millstone Rd. north of Guyer Rd., continuing north to Noyack Rd. All areas along Middle Line Hwy to the east to Deerfield Rd., south on Deerfield to Edge of Woods Rd., northwest on Roses Grove Rd to Noyac Rd., northeast on Noyac Rd. to Cedar Pt. Ln. (all streets on or off of Noyac Rd.)	44
Southold, Bayview (Except Browns Hills)	30
Speonk	20
Stony Brook, South Stony Brook	15
Stony Brook Water District	SBWD
Summer Club, Fire Island	53
The Pines, Fire Island	54
Wading River All areas served by SCWA.	12
Wainscott	23
Water Mill	23

WATER DISTRIBUTION AREA INDEX

TOWN	Distribution Area
West Babylon On, and off of, Wellwood Ave. (East side), N. up to Long Island Ave., S. along Belmont Ave., Lafayette Rd., and Livingston Ave.	1
West Islip	1
West Sayville	1
Westhampton (all areas except below)	20
Westhampton From the LIRR tracks N. to Sunrise Hwy., on, and off of, Old Riverhead Rd., (C.R. 31); All streets accessed from, or off of, Stewart Ave. across from Gabreski Airport.	32
Westhampton Beach	20
Wyandanch, Wheatley Heights (South of the LIRR)	1
Wyandanch, Wheatley Heights (North of the LIRR)	12
Yaphank, West Yaphank, East Yaphank, South Yaphank (Except Colonial Woods / Yaphank Woods) E. of Greentree Dr., S. of Granny, Ashton, Bartlett, and Longwood Rds South Yaphank - Most areas S. to Sunrise Hwy. All areas west of but not on, Yaphank Ave. Includes Park and Crescent streets, and cross streets in area E. of Yaphank Ave., just south of railroad. All areas between railroad and LIE.	12
Yaphank, East Colonial Woods / Yaphank Woods and other areas accessed from William Floyd Pkwy.	12
Yaphank, South (includes South Haven) All areas on or off of both sides of Yaphank Ave. N. to intersection of Yaphank Ave. and Gerrard Rd. All of Gerrard Rd. and all other roads E. of Yaphank Ave. to South Haven County Park. All areas S. of Sunrise Hwy. Also, small area N. of Sunrise bounded by Patchogue-Yaphank / Sills Rd. (C.R. 101) on the west, Harrison Ave. on the N., Bellport Station Rd. on the E., and Sunrise Hwy on the S.	1

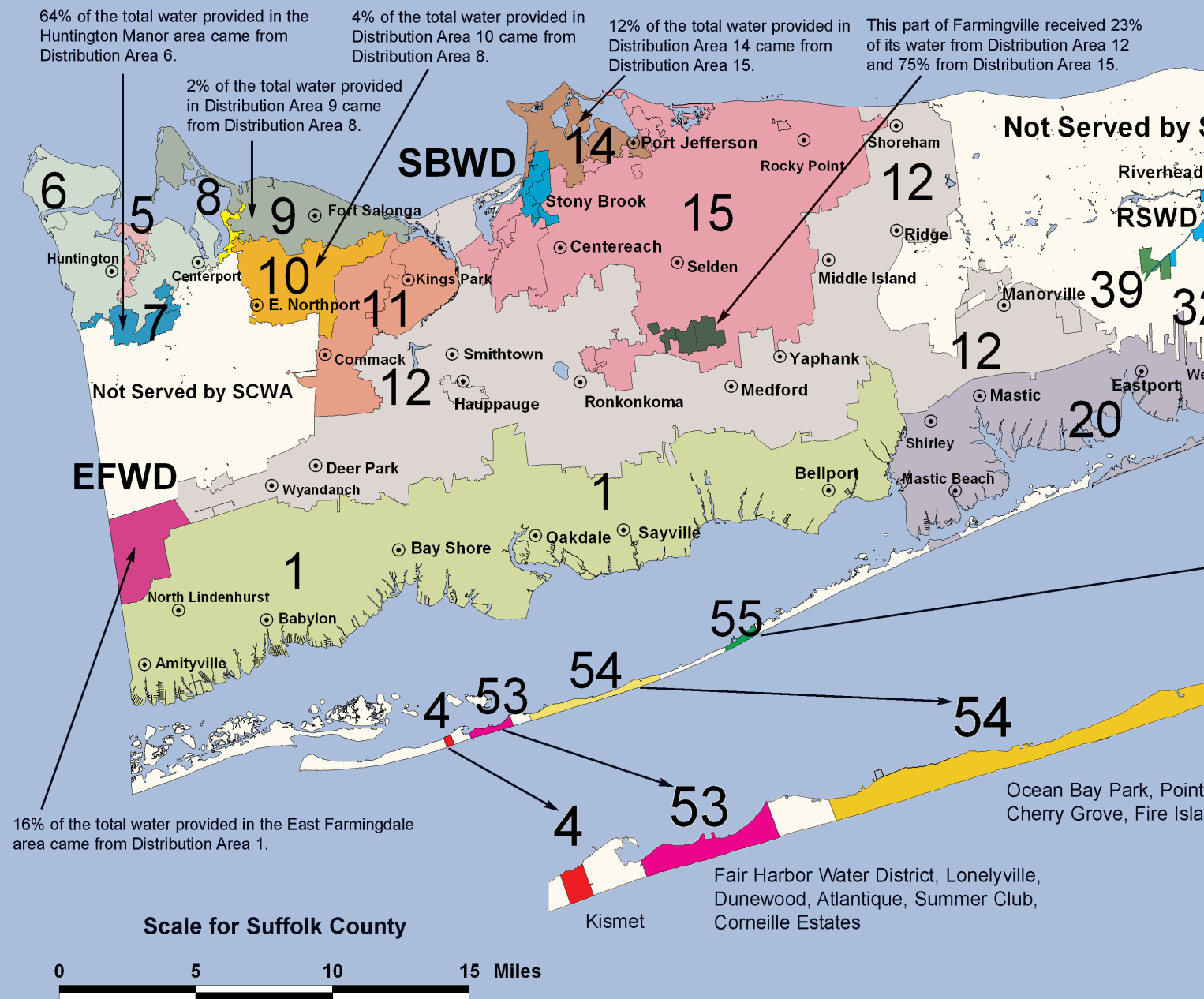


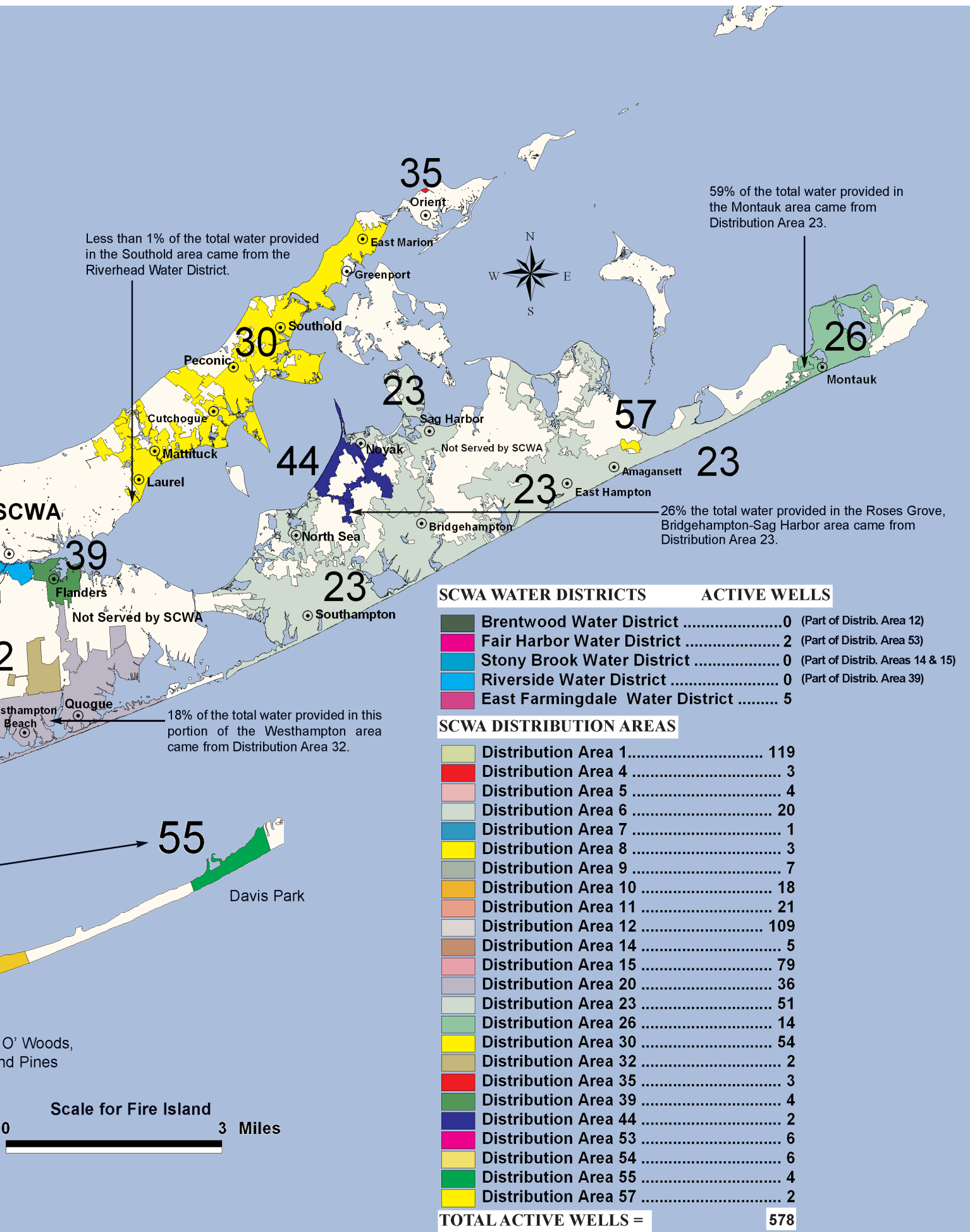
SCWA DISTRIBUTION AREAS

Suffolk County is not flat. In fact, the ground surface elevation across the county varies from sea level to more than 300 feet above sea level. Elevation is the key factor in determining water pressure - the lower the ground elevation, the higher the pressure. A single water system could not provide reasonable water pressure to every home. Some homes would have too much pressure and some would have no pressure at all. Therefore, the Water Authority has divided the system into 45 pressure zones. Distribution areas may encompass more than one pressure zone. There are 27 distribution areas.

Each pressure zone is made up of pump stations, storage tanks, and/or booster stations which are designed to provide adequate water pressure to the elevations they serve. These facilities are connected by underground water pipes of various sizes. This piping network is called a distribution system. A pump station consists of at least one well and associated treatment facilities. The well provides access to the underground aquifer. We use a submersible pump powered by an electric motor to bring the water out of the ground, through the treatment facility and into the distribution system. The water can then be delivered to homes, fire hydrants, schools and wherever else it is needed. Any excess water goes into the storage tank where it is stored for later use. The water storage tank provides a stable operating pressure and can supply a lot of water in a short time in the event of an emergency. The wells are turned on and off as required to satisfy the water demand in the distribution system.

If you look at the distribution area map shown below, you will see the size of the areas range from very small, serving a few homes, to very large, serving tens of thousands of homes. The distribution areas are interconnected with booster pumps and/or automatic control valves. In the event of very high demands for water during peak summer usage or an emergency, such as a fire or main break, the booster pump or automatic valve will operate and supply additional water to the impacted area. This operation helps insure that adequate water is available at all times. It also means that if your home is near the boundary of a distribution area, it may receive water from the adjacent distribution area on occasion. In a few areas, booster pumps routinely pump water from one zone to another. Please see the notes on the map for more information.





SCWA WATER DISTRICTS

ACTIVE WELLS

 Brentwood Water District	0	(Part of Distrib. Area 12)
 Fair Harbor Water District	2	(Part of Distrib. Area 53)
 Stony Brook Water District	0	(Part of Distrib. Areas 14 & 15)
 Riverside Water District	0	(Part of Distrib. Area 39)
 East Farmingdale Water District	5	

SCWA DISTRIBUTION AREAS

 Distribution Area 1	119
 Distribution Area 4	3
 Distribution Area 5	4
 Distribution Area 6	20
 Distribution Area 7	1
 Distribution Area 8	3
 Distribution Area 9	7
 Distribution Area 10	18
 Distribution Area 11	21
 Distribution Area 12	109
 Distribution Area 14	5
 Distribution Area 15	79
 Distribution Area 20	36
 Distribution Area 23	51
 Distribution Area 26	14
 Distribution Area 30	54
 Distribution Area 32	2
 Distribution Area 35	3
 Distribution Area 39	4
 Distribution Area 44	2
 Distribution Area 53	6
 Distribution Area 54	6
 Distribution Area 55	4
 Distribution Area 57	2

TOTAL ACTIVE WELLS = 578

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 1					Distribution Area 4					Distribution Area 5				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low Value	High Value	Avg. Value	No. of Tests	Violation	Low Value	High Value	Avg. Value	No. of Tests	Violation	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity, total	Naturally occurring	n/a	n/a	mg/L	No	ND	104.2	37.0	280	No	25.6	33.0	31.0	8	No	29.4	92.2	54.9	10
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.20	0.03	588	No	ND	0.10	0.05	8	No	ND	0.10	0.05	18
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	0.05	ND	346	No	ND	ND	ND	8	No	ND	ND	ND	10
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	2.3	ND	588	No	ND	ND	ND	8	No	ND	ND	ND	18
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.07	ND	588	No	ND	ND	ND	8	No	ND	0.17	0.10	18
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	822	No	ND	0.11	ND	38	No	ND	ND	ND	12
Bromide	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	352	No	ND	ND	ND	8	No	ND	ND	ND	25
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	0.3	ND	588	No	ND	ND	ND	8	No	ND	ND	ND	18
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	0.9	53.8	13.4	822	No	ND	1.4	0.6	38	No	9.6	50.0	28.5	12
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.1	30.9	5.1	280	No	3.2	16.9	10.1	8	No	0.9	21.0	8.6	10
Chloride	Naturally occurring, salt water intrusion	250	n/a	mg/L	No	3.3	177.7	16.7	352	No	2.9	3.7	3.2	8	No	9.5	107.0	78.2	25
Chromium, total	Natural deposits	100	100	ug/L	No	ND	1.40	ND	588	No	ND	ND	ND	8	No	ND	4.02	0.67	18
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	3.0	ND	588	No	ND	ND	ND	8	No	ND	ND	ND	18
Color	Naturally occurring, metals or minerals	15	n/a	Color Units	No	ND	10	ND	280	No	ND	6	ND	8	No	ND	ND	ND	10
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.37	0.04	588	No	ND	0.02	ND	8	No	ND	ND	ND	18
Dissolved Solids, total	Naturally occurring, minerals and metals	n/a	n/a	mg/L	No	33	386	79	281	No	53	62	60	8	No	83	336	183	10
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	352	No	ND	ND	ND	8	No	ND	ND	ND	25
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	3.2	151.1	39.7	822	No	ND	3.8	ND	38	No	38.7	169.1	100.6	12
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	1.07	0.13	277	No	ND	0.06	0.04	8	No	0.10	3.95	0.81	10
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	940	173	822	Yes	184	695	289	38	No	ND	63	ND	12
Lead	Household plumbing, lead solder	AL=15	0	ug/L	No	ND	3.0	ND	588	No	ND	1.8	ND	8	No	ND	ND	ND	18
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	6.7	1.6	588	No	3.5	4.2	3.8	8	No	ND	1.6	1.2	18
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	0.25	12.50	15.1	822	No	ND	ND	ND	38	No	3.48	10.74	7.12	12
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	62	ND	822	No	ND	ND	ND	38	No	ND	ND	ND	12
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	588	No	ND	ND	ND	8	No	ND	ND	ND	18
Nickel	Alloys, coatings, manufacturing, batteries	100	n/a	ug/L	No	ND	12.1	1.4	588	No	ND	ND	ND	8	No	ND	2.1	1.1	18
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	9.09	1.56	352	No	ND	ND	ND	8	No	2.87	7.74	6.32	25
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	2.24	0.27	309	No	ND	ND	ND	8	No	0.65	1.45	0.93	10
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	3.70	0.60	822	No	ND	0.39	ND	38	No	ND	ND	ND	12
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	8.8	7.2	280	No	6.5	7.3	6.8	8	No	6.5	8.1	7.2	10
pH, lab	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	8.0	7.1	265	No	6.5	7.6	7.0	8	No	7.0	7.5	7.2	10
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.23	3.98	0.71	822	No	1.15	1.65	1.29	38	No	0.79	1.95	1.37	12
Silicon	Naturally occurring	n/a	n/a	mg/L	No	2.7	7.9	4.5	588	No	4.1	4.3	4.2	8	No	6.2	7.5	7.0	18
Sodium	Naturally occurring	n/a	n/a	mg/L	No	2.7	75.1	7.6	822	No	12.0	23.1	17.3	38	No	6.8	46.4	25.6	12
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	49	764	133	280	No	74	96	88	8	No	128	611	320	10
Selenium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	588	No	ND	ND	ND	8	No	ND	ND	ND	18
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	0.154	0.037	588	No	ND	ND	ND	8	No	0.030	0.143	0.097	18
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	28.6	7.6	352	No	7.2	8.1	7.6	8	No	3.8	16.1	12.0	25
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	258	No	ND	ND	ND	6	No	ND	ND	ND	8
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	8.7	ND	822	No	ND	ND	ND	38	No	ND	ND	ND	12
Total Organic Carbon	Naturally occurring	n/a	n/a	mg/L	No	ND	0.53	0.29	20	No	0.68	0.84	0.76	2	No	ND	0.37	ND	2
Turbidity	Silts and clays in aquifer	n/a	n/a	NTU	No	ND	2.8	ND	280	No	ND	ND	ND	8	No	ND	0.50	ND	10
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	588	No	ND	ND	ND	8	No	ND	ND	ND	18
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	0.04	ND	588	No	ND	ND	ND	8	No	ND	ND	ND	18
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																			
Alachlor	Used as a herbicide	2	n/a	ug/L	No	ND	ND	ND	269	No	ND	ND	ND	9	No	ND	ND	ND	10
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	276	No	ND	ND	ND	8	No	ND	ND	ND	10
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	276	No	ND	ND	ND	8	No	ND	ND	ND	10
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	267	No	ND	ND	ND	8	No	ND	ND	ND	10
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	267	No	ND	ND	ND	8	No	ND	ND	ND	10
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	282	No	ND	ND	ND	8	No	ND	ND	ND	10
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	0.07	ND	282	No	ND	ND	ND	8	No	ND	ND	ND	10
Diethyltoluamide (DEET)	Insect repellent	50	n/a	ug/L	No	ND	ND	ND	265	No	ND	ND	ND	8	No	ND	ND	ND	10
1,4-Dioxane	Used in manufacturing processes	50	n/a	ug/L	No	ND	1.81	0.13	324	No	ND	ND	ND	8	No	0.24	1.79	0.73	18
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	282	No	ND	ND	ND	8	No	ND	ND	ND	10
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	265	No	ND	ND	ND	8	No	ND	ND	ND	10
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	282	No	ND	ND	ND	8	No	ND	ND	ND	10
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	282	No	ND	ND	ND	8	No	ND	ND	ND	10
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	0.05	ND	282	No	ND	ND	ND	8	No	ND	ND	ND	10
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	269	No	ND	ND	ND	9	No	ND	ND	ND	10
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	269	No	ND	ND	ND	9	No	ND	ND	ND	10
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	276	No	ND	ND	ND	8	No	ND	ND	ND	10
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	276	No	ND	ND	ND	8	No	ND	ND	ND	10
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	0.05	ND	145	No	ND	ND	ND	4	No	ND	ND	ND	5
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	282	No	ND	ND	ND	8	No	ND	ND	ND	10
Tetrachloroethylene	Used as an herbicide	50	n/a	ug/L	No	ND	1.44	ND	269	No	ND	ND	ND	8	No	ND	ND	ND	12
Volatile Organic Compounds																			
Carbon Tetrachloride	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	438	No	ND	ND	ND	8	No	ND	ND	ND	55
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	438	No	ND	ND	ND	8	No	ND	ND	ND	55
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	438	No	ND	ND	ND	8	No	ND	ND	ND	55
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	438	No	ND	ND	ND	8	No	ND	ND	ND	55
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	438	No	ND	ND	ND	8	No	ND	2.03	0.34	55
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	0.98	ND	438	No	ND	ND	ND	8	No	ND	2.03	0.34	55
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L															

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 6					Distribution Area 7					Distribution Area 8				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity, total	Naturally occurring	n/a	n/a	mg/L	No	20.8	81.4	48.8	47	No	50.4	74.2	63.0	4	No	20.2	26.6	24.2	8
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.13	0.04	73	No	ND	0.09	0.06	13	No	ND	0.03	ND	9
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	48	No	ND	ND	ND	4	No	ND	ND	ND	8
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	73	No	ND	2.9	ND	13	No	ND	ND	ND	9
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.06	ND	73	No	ND	0.03	0.03	13	No	ND	ND	ND	9
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	49	No	ND	ND	ND	4	No	ND	ND	ND	9
Bromide	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	177	No	ND	ND	ND	14	No	ND	ND	ND	9
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	73	No	ND	ND	ND	13	No	ND	ND	ND	9
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	5.6	37.3	19.9	49	No	15.2	30.5	23.4	4	No	6.5	11.7	8.6	9
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	ND	19.0	6.7	47	No	5.0	15.6	10.2	4	No	1.5	16.4	10.4	8
Chloride	Naturally occurring, salt water intrusion	250	n/a	mg/L	No	5.4	32.9	16.5	177	No	14.1	23.0	21.4	14	No	5.5	13.0	9.0	9
Chromium, total	Natural deposits	100	100	ug/L	No	ND	9.55	1.06	73	No	ND	7.76	1.23	13	No	ND	ND	ND	9
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	0.6	ND	73	No	ND	ND	ND	13	No	ND	ND	ND	9
Color	Naturally occurring, metals or minerals	15	n/a	Color Units	No	ND	5	ND	47	No	ND	ND	ND	4	No	ND	ND	ND	8
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.05	ND	73	No	ND	ND	ND	13	No	ND	ND	ND	9
Dissolved Solids, total	Naturally occurring, minerals and metals	n/a	n/a	mg/L	No	54	203	123	46	No	114	181	149	4	No	46	80	63	8
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	177	No	ND	ND	ND	14	No	ND	ND	ND	9
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	19.1	124.6	65.9	49	No	56.5	96.2	77.6	4	No	18.8	38.7	27.1	9
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	4.99	0.59	58	No	0.08	1.10	0.27	9	No	0.08	0.13	0.10	8
Iron	Naturally occurring	300	n/a	ug/L	No	ND	95	ND	49	No	ND	47	ND	4	No	ND	ND	ND	9
Lead	Household plumbing, lead solder	AL=15	0	ug/L	No	ND	4.3	ND	73	No	ND	ND	ND	13	No	ND	1.8	ND	9
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.0	ND	73	No	ND	ND	ND	13	No	ND	ND	ND	9
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	1.24	7.61	3.96	49	No	3.96	5.21	4.64	4	No	0.62	2.29	1.34	9
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	12	ND	49	No	ND	ND	ND	4	No	ND	ND	ND	9
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	73	No	ND	ND	ND	13	No	ND	ND	ND	9
Nickel	Alloys, coatings, manufacturing, batteries	100	n/a	ug/L	No	ND	1.8	0.7	73	No	ND	1.8	1.1	13	No	0.5	1.3	0.9	9
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	8.99	5.48	177	No	ND	7.70	5.75	14	No	0.82	2.95	1.88	9
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	5.43	1.60	135	No	ND	2.04	0.99	14	No	1.03	1.84	1.57	12
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	49	No	ND	ND	ND	4	No	ND	ND	ND	9
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	8.5	7.2	46	No	6.9	7.5	7.1	4	No	6.5	7.4	6.7	8
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	8.5	7.1	46	No	7.0	7.1	7.0	4	No	6.9	7.1	7.0	8
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.49	1.33	0.93	49	No	0.89	1.18	1.05	4	No	0.45	0.82	0.61	9
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.5	8.8	6.9	73	No	6.5	8.2	6.8	13	No	3.4	3.8	3.6	9
Sodium	Naturally occurring	n/a	n/a	mg/L	No	4.9	13.2	9.2	49	No	10.2	15.2	13.1	4	No	4.4	7.6	5.8	9
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	70	336	199	47	No	194	301	246	4	No	67	141	101	8
Selenium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	73	No	ND	ND	ND	13	No	ND	ND	ND	9
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.021	0.112	0.075	73	No	0.072	0.102	0.091	13	No	0.015	0.042	0.027	9
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	37.9	10.0	177	No	2.8	12.5	10.5	14	No	ND	6.6	2.9	9
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	41	No	ND	ND	ND	2	No	ND	ND	ND	6
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	6.3	ND	49	No	ND	ND	ND	4	No	ND	ND	ND	9
Total Organic Carbon	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	4	No	ND	0.41	0.27	2	No	ND	0.40	0.26	2
Turbidity	Silts and clays in aquifer	n/a	n/a	NTU	No	ND	0.70	ND	47	No	ND	0.65	ND	4	No	ND	ND	ND	8
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	73	No	ND	ND	ND	13	No	ND	ND	ND	9
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	73	No	ND	ND	ND	13	No	ND	0.04	ND	9
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																			
Alachlor	Used as a herbicide	2	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	55	No	ND	ND	ND	4	No	ND	ND	ND	8
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	55	No	ND	ND	ND	4	No	ND	ND	ND	8
Aldicarb, Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	79	No	ND	ND	ND	4	No	ND	ND	ND	8
Aldicarb, Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	79	No	ND	ND	ND	4	No	ND	ND	ND	8
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4	No	ND	ND	ND	8
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4	No	ND	ND	ND	8
Diethyltoluamide (DEET)	Insect repellent	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
1,4-Dioxane	Used in manufacturing processes	50	n/a	ug/L	No	ND	2.97	0.72	74	No	ND	2.55	1.64	6	No	ND	0.18	0.10	10
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4	No	ND	ND	ND	8
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4	No	ND	ND	ND	8
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4	No	ND	ND	ND	8
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4	No	ND	ND	ND	8
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	55	No	ND	ND	ND	4	No	ND	ND	ND	8
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	55	No	ND	ND	ND	4	No	ND	ND	ND	8
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	2	No	ND	ND	ND	4
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4	No	ND	ND	ND	8
Tetrachloroterephthalic Acid	Used as an herbicide	50	n/a	ug/L	No	ND	ND	ND	70	No	ND	ND	ND	4	No	ND	ND	ND	8
Volatile Organic Compounds																			
Carbon Tetrachloride	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	205	No	ND	0.45	ND	16	No	ND	ND	ND	10
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	3.22	0.43	205	No	ND	1.34	0.52	16	No	ND	ND	ND	10
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
1,2-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	No	ND	0.37	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	0.51	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	1.54	ND	205	No	ND	0.31	ND	16	No	ND	ND	ND	10
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
Tetrahydrofuran	Solvent for natural and synthetic resins	50	n/a	ug/L	No	ND	ND	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	0.41	ND	205	No	ND	0.33	ND	16	No	ND	ND	ND	10
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	1.01	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
1,1,1,2-Tetrachlorofluoromethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	0.95	ND	205	No	ND	ND	ND	16	No	ND	ND	ND	10
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No														

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 9					Distribution Area 10					Distribution Area 11				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity, total	Naturally occurring	n/a	n/a	mg/L	No	34.6	78.4	51.8	18	No	ND	61.2	39.2	46	No	24.2	88.6	46.2	49
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.08	0.04	49	No	ND	0.18	0.04	73	No	ND	0.19	0.05	49
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	18	No	ND	ND	ND	44	No	ND	ND	ND	52
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	49	No	ND	ND	ND	73	No	ND	ND	ND	49
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.02	ND	49	No	ND	0.04	ND	73	No	ND	0.05	ND	49
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	19	No	ND	ND	ND	45	No	ND	ND	ND	60
Bromide	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	109	No	ND	ND	ND	214	No	ND	ND	ND	142
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	49	No	ND	ND	ND	73	No	ND	ND	ND	49
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	15.8	33.8	23.6	19	No	5.7	34.0	19.0	45	No	8.6	48.6	19.6	60
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	2.1	15.3	5.5	18	No	0.7	13.4	5.1	46	No	1.1	32.8	9.0	49
Chloride	Naturally occurring, salt water intrusion	250	n/a	mg/L	No	12.9	31.3	18.8	109	No	5.3	50.4	18.9	214	No	7.1	63.8	28.3	142
Chromium, total	Natural deposits	100	100	ug/L	No	ND	5.79	1.35	49	No	ND	4.26	1.01	73	No	ND	5.92	0.77	49
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	49	No	ND	ND	ND	73	No	ND	2.4	ND	49
Color	Naturally occurring, metals or minerals	15	n/a	Color Units	No	ND	ND	ND	18	No	ND	5	ND	46	No	ND	5	ND	49
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	49	No	ND	0.20	0.02	73	No	ND	0.04	ND	49
Dissolved Solids, total	Naturally occurring, minerals and metals	n/a	n/a	mg/L	No	100	209	153	18	No	43	203	118	45	No	54	218	120	49
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	109	No	ND	ND	ND	214	No	ND	ND	ND	142
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	48.8	119.2	80.8	19	No	16.8	115.6	62.9	45	No	26.8	140.4	62.5	60
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	4.91	1.19	38	No	0.03	4.02	0.80	69	No	ND	3.78	0.44	47
Iron	Naturally occurring	300	n/a	ug/L	No	ND	4.4	ND	19	No	ND	108	36	45	No	ND	131	32	60
Lead	Household plumbing, lead solder	AL=15	0	ug/L	No	ND	ND	ND	49	No	ND	2.0	ND	73	No	ND	2.2	ND	49
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.6	ND	49	No	ND	ND	ND	73	No	ND	ND	ND	49
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	2.28	8.97	5.33	19	No	0.62	7.45	3.75	45	No	0.93	6.09	3.30	60
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	19	No	ND	ND	ND	45	No	ND	53	14	60
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	49	No	ND	ND	ND	73	No	ND	ND	ND	49
Nickel	Alloys, coatings, manufacturing, batteries	100	n/a	ug/L	No	ND	2.8	0.9	49	No	ND	5.7	1.1	73	No	ND	4.8	1.4	49
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	4.40	7.93	6.18	109	No	0.84	9.25	5.98	214	No	0.40	7.71	5.29	142
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	2.14	0.87	39	No	ND	5.84	1.77	183	No	ND	1.82	0.73	50
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	19	No	ND	ND	ND	45	No	ND	ND	ND	60
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.9	7.6	7.3	18	No	6.6	8.2	7.2	46	No	6.5	8.1	7.1	49
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	7.8	7.1	18	No	6.5	7.7	7.1	46	No	6.5	7.5	7.0	49
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.71	1.73	1.06	19	No	0.47	1.37	0.96	45	No	0.51	1.83	1.06	60
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.4	9.6	6.8	49	No	3.2	8.3	5.5	73	No	3.6	6.9	4.9	49
Sodium	Naturally occurring	n/a	n/a	mg/L	No	9.8	18.0	12.7	19	No	4.5	16.4	9.8	45	No	5.1	25.2	13.8	60
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	164	334	252	18	No	67	325	202	46	No	89	401	209	49
Selenium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	49	No	ND	ND	ND	73	No	ND	ND	ND	49
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.048	0.127	0.089	49	No	0.015	0.154	0.080	73	No	0.020	0.113	0.056	49
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	29.7	14.6	109	No	ND	35.5	11.8	214	No	ND	19.1	6.8	142
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	14	No	ND	ND	ND	38	No	ND	ND	ND	45
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	19	No	ND	5.7	ND	45	No	ND	7.1	ND	60
Total Organic Carbon	Naturally occurring	n/a	n/a	mg/L	No	ND	0.44	ND	4	No	ND	0.32	ND	4	No	ND	0.35	ND	4
Turbidity	Silts and clays in aquifer	n/a	n/a	NTU	No	ND	0.50	ND	18	No	ND	0.75	ND	46	No	ND	1.3	ND	49
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	49	No	ND	ND	ND	73	No	ND	ND	ND	49
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	49	No	ND	ND	ND	73	No	ND	0.05	ND	49
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																			
Alachlor	Used as a herbicide	2	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	43	No	ND	ND	ND	50
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	41	No	ND	ND	ND	54
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	41	No	ND	ND	ND	54
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	43	No	ND	ND	ND	52
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	43	No	ND	ND	ND	52
Carbamazepine	Anticonvulsant, mood stabilizing drug	n/a	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	42	No	ND	ND	ND	51
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	42	No	ND	ND	ND	52
Diethyltoluamide (DEET)	Insect repellent	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	42	No	ND	ND	ND	54
1,4-Dioxane	Used in manufacturing processes	50	n/a	ug/L	No	0.15	1.70	1.01	35	No	ND	1.40	0.54	72	No	ND	1.75	0.49	85
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	42	No	ND	ND	ND	51
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	42	No	ND	ND	ND	54
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	42	No	ND	ND	ND	51
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	42	No	ND	ND	ND	52
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	42	No	ND	ND	ND	51
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	43	No	ND	ND	ND	50
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	43	No	ND	ND	ND	50
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	41	No	ND	ND	ND	54
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	41	No	ND	ND	ND	54
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	22	No	ND	ND	ND	25
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	42	No	ND	ND	ND	51
Tetrachloroterephthalic Acid	Used as an herbicide	50	n/a	ug/L	No	ND	ND	ND	25	No	ND	1.51	ND	51	No	ND	1.95	ND	55
Volatile Organic Compounds																			
Carbon Tetrachloride	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	115	No	ND	ND	ND	149	No	ND	ND	ND	230
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	115	No	ND	ND	ND	149	No	ND	ND	ND	230
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	115	No	ND	0.46	ND	149	No	ND	ND	ND	230
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	115	No	ND	ND	ND	149	No	ND	1.21	ND	230
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	115	No	ND	ND	ND	149	No	ND	0.68	ND	230
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	2.27	0.87	115	No	ND	1.98	0.38	149	No	ND	4.07	0.58	230
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.67	0.26	115	No	ND	0.39	ND	149	No	ND	1.13	ND	230
1,2-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	115	No	ND								

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 12					Distribution Area 14					Distribution Area 15				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity, total	Naturally occurring	n/a	n/a	mg/L	No	ND	118.4	52.3	247	No	ND	44.6	23.9	14	No	ND	114.8	47.4	171
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.24	0.04	476	No	ND	0.04	ND	14	No	ND	0.17	0.04	203
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	0.26	ND	301	No	ND	ND	ND	14	No	ND	0.12	ND	205
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	3.7	ND	476	No	ND	ND	ND	14	No	ND	ND	ND	203
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.08	ND	476	No	ND	0.03	ND	14	No	ND	0.09	0.02	203
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	518	No	ND	ND	ND	14	No	ND	ND	ND	237
Bromide	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	488	No	ND	0.13	ND	14	No	ND	ND	ND	474
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	0.2	ND	476	No	ND	ND	ND	14	No	ND	ND	ND	203
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	4.4	59.2	21.5	518	No	3.1	16.7	7.3	14	No	2.9	50.9	19.3	237
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.2	27.4	7.3	247	No	1.8	11.1	6.3	14	No	0.2	33.7	7.8	171
Chloride	Naturally occurring, salt water intrusion	250	n/a	mg/L	No	3.6	118.6	30.7	488	No	4.2	15.6	6.1	14	No	3.8	164.8	27.3	474
Chromium, total	Natural deposits	100	100	ug/L	No	ND	3.00	0.54	476	No	ND	2.20	0.56	14	No	ND	4.95	1.26	203
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	5.4	ND	476	No	ND	ND	ND	14	No	ND	1.3	ND	203
Color	Naturally occurring, metals or minerals	15	n/a	Color Units	No	ND	10	ND	247	No	ND	ND	ND	14	No	ND	7	ND	171
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.24	0.03	476	No	ND	ND	ND	14	No	ND	0.12	ND	203
Dissolved Solids, total	Naturally occurring, minerals and metals	n/a	n/a	mg/L	No	31	327	133	248	No	37	117	55	14	No	37	304	130	168
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	488	No	ND	ND	ND	14	No	ND	ND	ND	474
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	12.2	171.3	69.7	518	No	10.3	58.6	23.2	14	No	11.3	158.9	66.3	237
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	2.81	0.45	262	No	0.15	1.90	0.47	14	No	0.03	3.60	0.82	172
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	1591	155	518	No	ND	ND	ND	14	Yes	ND	1332	68	237
Lead	Household plumbing, lead solder	AL=15	0	ug/L	No	ND	2.7	ND	476	No	ND	ND	ND	14	No	ND	1.2	ND	203
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	4.5	ND	476	No	ND	ND	ND	14	No	ND	2.8	ND	203
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	0.29	17.98	3.87	518	No	0.60	4.09	1.18	14	No	0.74	13.04	4.38	237
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	99	17	518	No	ND	ND	ND	14	No	ND	82	18	237
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	1.2	ND	476	No	ND	ND	ND	14	No	ND	ND	ND	203
Nickel	Alloys, coatings, manufacturing, batteries	100	n/a	ug/L	No	ND	6.4	0.7	476	No	ND	ND	ND	14	No	ND	3.1	0.5	203
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	8.47	3.81	488	No	ND	3.37	0.71	14	No	ND	8.12	4.75	474
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	2.30	0.53	299	No	ND	1.27	0.29	14	No	ND	4.69	1.02	259
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	2.61	0.66	518	No	ND	ND	ND	14	No	ND	3.71	0.47	237
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	8.8	7.2	247	No	6.6	7.5	7.0	14	No	6.5	8.6	7.2	171
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	ND	8.8	7.1	238	No	7.0	7.7	7.2	13	No	ND	8.0	7.1	164
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.22	3.10	1.12	518	No	0.30	1.01	0.44	14	No	0.32	2.78	1.12	237
Silicon	Naturally occurring	n/a	n/a	mg/L	No	3.1	11.0	6.7	476	No	4.2	6.7	5.1	14	No	4.6	10.5	7.1	203
Sodium	Naturally occurring	n/a	n/a	mg/L	No	2.9	107.4	16.4	518	No	3.4	10.7	5.0	14	No	3.7	83.3	13.7	237
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	43	618	226	247	No	47	189	80	14	No	46	717	219	171
Selenium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	476	No	ND	ND	ND	14	No	ND	2.2	ND	203
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	0.173	0.054	476	No	ND	0.059	0.017	14	No	ND	0.169	0.062	203
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	36.2	12.3	488	No	ND	9.2	ND	14	No	ND	28.9	11.7	474
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	235	No	ND	ND	ND	10	No	ND	0.08	ND	171
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	14.0	ND	518	No	ND	ND	ND	14	No	ND	9.5	ND	237
Total Organic Carbon	Naturally occurring	n/a	n/a	mg/L	No	ND	0.54	0.26	26	No	ND	ND	ND	4	No	ND	0.56	ND	13
Turbidity	Silts and clays in aquifer	n/a	n/a	NTU	No	ND	3.0	0.45	247	No	ND	0.40	ND	14	No	ND	2.0	ND	171
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	6.6	ND	476	No	ND	ND	ND	14	No	ND	7.3	ND	203
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	0.07	ND	476	No	ND	ND	ND	14	No	ND	ND	ND	203
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																			
Alachlor	Used as a herbicide	2	n/a	ug/L	No	ND	ND	ND	260	No	ND	ND	ND	14	No	ND	ND	ND	187
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	265	No	ND	ND	ND	14	No	ND	0.25	ND	193
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	265	No	ND	ND	ND	14	No	ND	ND	ND	193
Aldicarb, Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	267	No	ND	ND	ND	14	No	ND	ND	ND	183
Aldicarb, Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	267	No	ND	ND	ND	14	No	ND	ND	ND	183
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	0.08	ND	297	No	ND	ND	ND	14	No	ND	0.16	ND	211
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	0.14	ND	297	No	ND	ND	ND	14	No	ND	ND	ND	211
Diethyltoluamide (DEET)	Insect repellent	50	n/a	ug/L	No	ND	ND	ND	256	No	ND	ND	ND	14	No	ND	0.31	ND	186
1,4-Dioxane	Used in manufacturing processes	50	n/a	ug/L	No	ND	4.80	0.28	361	No	ND	0.19	ND	16	No	ND	0.95	0.24	275
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	297	No	ND	ND	ND	14	No	ND	ND	ND	211
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	256	No	ND	ND	ND	14	No	ND	ND	ND	186
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	0.09	ND	297	No	ND	ND	ND	14	No	ND	ND	ND	211
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	297	No	ND	ND	ND	14	No	ND	ND	ND	211
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	0.26	ND	297	No	ND	ND	ND	14	No	ND	0.18	ND	211
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	260	No	ND	ND	ND	14	No	ND	ND	ND	187
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	260	No	ND	ND	ND	14	No	ND	ND	ND	187
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	0.26	ND	265	No	ND	ND	ND	14	No	ND	0.51	ND	193
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	265	No	ND	ND	ND	14	No	ND	0.34	ND	193
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	0.49	ND	151	No	ND	ND	ND	7	No	ND	ND	ND	102
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	297	No	ND	ND	ND	14	No	ND	ND	ND	211
Tetrachloroterephthalic Acid	Used as an herbicide	50	n/a	ug/L	No	ND	10.24	ND	295	No	ND	ND	ND	14	No	ND	1.69	ND	194
Volatile Organic Compounds																			
Carbon Tetrachloride	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	572	No	ND	ND	ND	27	No	ND	ND	ND	421
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.22	ND	572	No	ND	ND	ND	27	No	ND	0.38	ND	421
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	0.85	ND	572	No	ND	ND	ND	27	No	ND	0.37	ND	421
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	1.08	ND	572	No	ND	0.27	ND	27	No	ND	1.28	ND	421
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	0.43	ND	572	No	ND	0.70	ND	27	No	ND	0.33	ND	421
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	3.03	0.26	572	No	ND	0.70	ND	27	No	ND	1.38	0.32	421
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.89	ND	572	No	ND</								

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 20					Distribution Area 23					Distribution Area 26				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity, total	Naturally occurring	n/a	n/a	mg/L	No	ND	67.8	40.0	80	No	22.0	72.4	46.3	106	No	26.2	228.2	55.4	38
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.14	0.03	157	No	ND	0.11	0.04	129	No	ND	0.24	0.04	41
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	99	No	ND	0.05	ND	136	No	ND	0.19	0.02	36
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	2.6	ND	157	No	ND	1.1	ND	129	No	ND	ND	ND	41
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.05	ND	157	No	ND	0.09	0.03	129	No	ND	0.10	0.05	41
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	0.59	ND	227	No	ND	ND	ND	162	No	ND	ND	ND	146
Bromide	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	119	No	ND	0.19	ND	239	No	ND	ND	ND	45
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	157	No	ND	ND	ND	129	No	ND	ND	ND	41
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	0.7	29.8	12.1	227	No	5.6	37.9	20.1	162	No	7.6	85.8	21.5	146
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.4	15.4	4.2	80	No	0.3	26.8	6.0	106	No	0.5	147.1	19.2	38
Chloride	Naturally occurring, salt water intrusion	250	n/a	mg/L	No	5.2	38.7	12.2	119	No	8.4	68.4	27.7	239	No	21.1	99.0	50.5	45
Chromium, total	Natural deposits	100	100	ug/L	No	ND	2.55	ND	157	No	ND	1.50	ND	129	No	ND	1.27	ND	41
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	0.6	ND	157	No	ND	12.2	0.6	129	No	ND	1.9	ND	41
Color	Naturally occurring, metals or minerals	15	n/a	Color Units	No	ND	10	ND	80	Yes	ND	15	ND	106	No	ND	10	ND	38
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.23	0.02	157	No	ND	0.10	ND	129	No	ND	0.51	0.06	41
Dissolved Solids, total	Naturally occurring, minerals and metals	n/a	n/a	mg/L	No	43	167	88	79	No	7.1	211	135	107	No	106	363	180	39
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	0.5	ND	119	No	ND	ND	ND	239	No	ND	ND	ND	45
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	3.5	87.8	38.1	227	No	24.2	124.4	67.5	162	No	30.9	273.8	80.4	146
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	0.77	0.20	79	No	ND	1.30	0.30	106	No	0.05	0.60	0.19	38
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	949	278	227	Yes	ND	979	107	162	Yes	ND	1126	166	146
Lead	Household plumbing, lead solder	AL=15	0	ug/L	No	ND	3.3	ND	157	No	ND	2.0	ND	129	No	ND	1.1	ND	41
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	7.2	2.8	157	No	ND	5.2	1.1	129	No	ND	2.2	1.2	41
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	0.42	5.70	1.90	227	No	1.44	9.35	4.21	162	No	2.68	14.49	6.47	146
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	88	13	227	No	ND	133	16	162	No	ND	196	32	146
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	157	No	ND	ND	ND	129	No	ND	ND	ND	41
Nickel	Alloys, coatings, manufacturing, batteries	100	n/a	ug/L	No	ND	1.1	ND	157	No	ND	8.9	0.9	129	No	ND	3.7	0.8	41
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	6.56	2.02	119	No	ND	7.50	3.50	239	No	ND	4.40	1.71	45
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	4.39	0.75	161	No	ND	1.06	0.25	133	No	ND	1.33	0.24	34
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	2.75	0.82	227	No	ND	3.15	0.40	162	No	ND	3.27	1.12	146
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.7	8.4	7.4	80	No	6.5	8.6	7.3	106	No	5.7	8.4	7.2	38
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	ND	8.6	7.3	74	No	ND	8.0	7.1	98	No	5.5	8.3	7.1	37
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.30	5.15	0.83	227	No	0.41	4.13	1.19	162	No	0.87	3.43	1.60	146
Silicon	Naturally occurring	n/a	n/a	mg/L	No	3.4	7.9	5.7	157	No	5.3	9.8	7.5	129	No	7.5	10.7	9.1	41
Sodium	Naturally occurring	n/a	n/a	mg/L	No	4.4	52.9	7.6	227	No	6.9	34.3	14.0	162	No	13.6	58.2	26.5	146
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	71	299	145	80	No	98	381	227	106	No	171	643	314	38
Selenium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	157	No	ND	ND	ND	129	No	ND	ND	ND	41
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	0.083	0.041	157	No	0.028	0.122	0.068	129	No	0.037	0.186	0.081	41
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	28.0	11.7	119	No	3.2	59.1	23.0	239	No	6.8	30.5	12.4	45
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	75	No	ND	ND	ND	114	No	ND	ND	ND	29
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	8.8	ND	227	No	ND	8.7	ND	162	No	ND	22.0	ND	146
Total Organic Carbon	Naturally occurring	n/a	n/a	mg/L	No	ND	0.47	0.31	10	No	ND	0.59	0.30	12	No	ND	0.42	0.31	6
Turbidity	Silts and clays in aquifer	n/a	n/a	NTU	No	ND	1.1	ND	80	No	ND	1.6	ND	106	Yes	ND	7.0	0.90	38
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	157	No	ND	4.4	ND	129	No	ND	ND	ND	41
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	157	No	ND	ND	ND	129	No	ND	ND	ND	41
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																			
Alachlor	Used as a herbicide	2	n/a	ug/L	No	ND	ND	ND	84	No	ND	0.3	ND	151	No	ND	ND	ND	33
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	92	No	ND	0.30	ND	158	No	ND	ND	ND	34
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	92	No	ND	0.40	ND	158	No	ND	ND	ND	34
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	0.9	ND	130	No	ND	0.6	ND	170	No	ND	ND	ND	34
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	0.9	ND	130	No	ND	1.3	ND	170	No	ND	ND	ND	34
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	0.06	ND	84	No	ND	ND	ND	148	No	ND	ND	ND	35
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	0.05	ND	84	No	ND	ND	ND	148	No	ND	ND	ND	35
Diethyltoluamide (DEET)	Insect repellent	50	n/a	ug/L	No	ND	ND	ND	83	No	ND	ND	ND	121	No	ND	0.31	ND	35
1,4-Dioxane	Used in manufacturing processes	50	n/a	ug/L	No	ND	0.12	ND	85	No	ND	0.21	ND	138	No	ND	1.49	0.16	45
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	0.15	ND	84	No	ND	ND	ND	148	No	ND	ND	ND	35
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	83	No	ND	ND	ND	121	No	ND	ND	ND	35
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	84	No	ND	ND	ND	148	No	ND	ND	ND	35
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	84	No	ND	0.24	ND	148	No	ND	ND	ND	35
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	84	No	ND	ND	ND	148	No	ND	0.06	ND	35
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	84	No	ND	ND	ND	151	No	ND	ND	ND	33
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	84	No	ND	ND	ND	151	No	ND	ND	ND	33
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	0.31	ND	92	No	ND	0.95	ND	158	No	ND	ND	ND	34
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	0.29	ND	92	No	ND	0.52	ND	158	No	ND	ND	ND	34
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	43	No	ND	ND	ND	75	No	ND	ND	ND	20
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	0.09	ND	84	No	ND	ND	ND	148	No	ND	ND	ND	35
Tetrachloroethylene	Used as an herbicide	50	n/a	ug/L	No	ND	ND	ND	100	No	ND	3.60	ND	143	No	ND	ND	ND	34
Volatile Organic Compounds																			
Carbon Tetrachloride	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	123	No	ND	ND	ND	232	No	ND	ND	ND	68
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	123	No	ND	ND	ND	232	No	ND	ND	ND	68
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	123	No	ND	ND	ND	232	No	ND	1.63	ND	68
Cis-1,2-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	123	No	ND	ND	ND	232	No	ND	0.55	ND	68
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	123	No	ND	ND	ND	232	No	ND	0.69	ND	68
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	123	No	ND	ND	ND	232	No	ND	ND	ND	68
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	123	No									

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 30					Distribution Area 32					Distribution Area 35				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity, total	Naturally occurring	n/a	n/a	mg/L	No	ND	152.2	63.6	98	No	28.2	71.0	46.4	6	No	69.8	87.6	76.4	9
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.17	0.04	151	No	0.03	0.11	0.06	6	No	ND	ND	ND	9
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	123	No	ND	ND	ND	6	No	ND	ND	ND	9
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	151	No	ND	ND	ND	6	No	ND	ND	ND	9
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.06	0.03	151	No	ND	0.03	ND	6	No	ND	ND	ND	9
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	151	No	ND	ND	ND	6	No	ND	ND	ND	11
Bromide	Naturally occurring	n/a	n/a	mg/L	No	ND	0.27	ND	383	No	ND	ND	ND	6	No	ND	ND*	ND	62
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	151	No	ND	ND	ND	6	No	ND	ND	ND	9
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	10.6	54.9	26.5	151	No	9.3	28.5	16.8	6	No	30.0	36.3	33.2	11
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.3	41.3	6.3	98	No	3.1	20.0	10.4	6	No	2.8	10.8	8.0	9
Chloride	Naturally occurring, salt water intrusion	250	n/a	mg/L	No	12.1	196.9	38.7	383	No	22.4	81.7	52.6	6	No	ND	10.1*	3.6	62
Chromium, total	Natural deposits	100	100	ug/L	No	ND	2.37	ND	151	No	ND	0.77	0.62	6	No	ND	ND	ND	9
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	1.1	ND	151	No	ND	ND	ND	6	No	ND	ND	ND	9
Color	Naturally occurring, metals or minerals	15	n/a	Color Units	No	ND	10	ND	98	No	ND	5	ND	6	No	ND	5	ND	9
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.49	0.04	151	No	ND	0.02	ND	6	No	ND	0.03	ND	9
Dissolved Solids, total	Naturally occurring, minerals and metals	n/a	n/a	mg/L	No	96	381	212	98	No	128	185	155	6	No	283	348	305	9
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	383	No	ND	ND	ND	6	No	ND	ND*	ND	62
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	42.6	201.5	93.6	151	No	31.8	82.7	52.2	6	No	125.9	149.9	135.9	11
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	0.05	1.99	0.30	98	No	0.36	0.61	0.46	6	No	ND	0.13	0.04	9
Iron	Naturally occurring	300	n/a	ug/L	No	ND	187	32	151	No	ND	117	51	6	No	ND	ND	ND	11
Lead	Household plumbing, lead solder	AL=15	0	ug/L	No	ND	1.5	ND	151	No	ND	ND	ND	6	No	ND	ND	ND	9
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.6	ND	151	No	ND	ND	ND	6	No	ND	2.6	ND	9
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	2.47	19.07	6.67	151	No	2.08	2.89	2.48	6	No	11.41	14.37	12.86	11
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	105	ND	151	No	ND	ND	ND	6	No	ND	ND	ND	11
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	151	No	ND	ND	ND	6	No	ND	ND	ND	9
Nickel	Alloys, coatings, manufacturing, batteries	100	n/a	ug/L	No	ND	3.8	0.6	151	No	ND	ND	ND	6	No	ND	0.9	ND	9
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.31	8.34	5.51	383	No	0.38	0.79	0.58	6	No	ND	5.77*	2.63	62
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	5.02	2.07	395	No	ND	0.18	0.13	6	No	ND	2.51*	0.13	62
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	1.84	ND	151	No	ND	ND	ND	6	No	ND	ND	ND	11
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	8.7	7.4	98	No	6.7	7.4	7.0	6	No	7.1	7.8	7.3	9
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	ND	8.1	7.3	96	No	7.0	7.5	7.2	6	No	7.0	7.8	7.3	8
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.63	4.99	2.10	151	No	0.64	0.88	0.74	6	No	1.46	2.07	1.69	11
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.0	9.0	6.5	151	No	4.0	5.5	4.6	6	No	7.3	9.1	8.1	9
Sodium	Naturally occurring	n/a	n/a	mg/L	No	8.0	81.8	32.4	151	No	14.9	50.7	31.8	6	No	33.3	51.5	40.8	11
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	152	774	366	98	No	218	361	290	6	No	464	585	504	9
Selenium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	151	No	ND	ND	ND	6	No	ND	ND	ND	9
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.042	0.190	0.099	151	No	0.043	0.068	0.056	6	No	0.136	0.160	0.144	9
Sulfate	Naturally occurring	250	n/a	mg/L	No	6.3	67.8	38.4	383	No	5.3	8.1	6.8	6	No	ND	6.0*	ND	62
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	107	No	ND	ND	ND	4	No	ND	ND	ND	7
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	7.5	ND	151	No	ND	5.8	ND	6	No	ND	ND	ND	11
Total Organic Carbon	Naturally occurring	n/a	n/a	mg/L	No	ND	0.71	0.51	6	No	ND	0.32	ND	2	No	0.33	0.46	0.39	2
Turbidity	Silts and clays in aquifer	n/a	n/a	NTU	No	ND	1.2	ND	98	No	ND	1.0	ND	6	No	ND	0.70	ND	9
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	1.6	ND	151	No	ND	ND	ND	6	No	ND	ND	ND	9
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	0.02	ND	151	No	ND	ND	ND	6	No	ND	0.06	0.04	9
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																			
Alachlor	Used as a herbicide	2	n/a	ug/L	No	ND	ND	ND	169	No	ND	ND	ND	6	No	ND	ND	ND	35
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	0.27	ND	137	No	ND	ND	ND	6	No	ND	ND	ND	14
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	137	No	ND	ND	ND	6	No	ND	ND	ND	14
Aldicarb, Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	0.7	ND	171	No	ND	ND	ND	6	No	ND	ND	ND	10
Aldicarb, Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	0.6	ND	171	No	ND	ND	ND	6	No	ND	ND	ND	10
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	123	No	ND	ND	ND	6	No	ND	ND	ND	9
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	123	No	ND	ND	ND	6	No	ND	ND	ND	9
Diethyltoluamide (DEET)	Insect repellent	50	n/a	ug/L	No	ND	ND	ND	109	No	ND	ND	ND	6	No	ND	ND	ND	10
1,4-Dioxane	Used in manufacturing processes	50	n/a	ug/L	No	ND	0.10	ND	120	No	ND	ND	ND	6	No	ND	ND	ND	10
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	123	No	ND	ND	ND	6	No	ND	ND	ND	9
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	109	No	ND	ND	ND	6	No	ND	ND	ND	10
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	123	No	ND	ND	ND	6	No	ND	ND	ND	9
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	0.06	ND	123	No	ND	ND	ND	6	No	ND	ND	ND	9
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	123	No	ND	ND	ND	6	No	ND	ND	ND	9
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	1.4	ND	169	No	ND	ND	ND	6	No	ND	ND	ND	35
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	0.3	ND	169	No	ND	ND	ND	6	No	ND	ND	ND	35
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	3.94	0.53	137	No	ND	ND	ND	6	No	ND	0.29	ND	14
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	2.49	0.31	137	No	ND	ND	ND	6	No	ND	ND	ND	14
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	67	No	ND	ND	ND	3	No	ND	ND	ND	4
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	0.14	ND	123	No	ND	ND	ND	6	No	ND	ND	ND	9
Tetrachloroterephthalic Acid	Used as an herbicide	50	n/a	ug/L	No	ND	12.29	1.34	165	No	ND	ND	ND	6	No	ND	4.04	ND	40
Volatile Organic Compounds																			
Carbon Tetrachloride	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	191	No	ND	ND	ND	16	No	ND	ND	ND	24
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	191	No	ND	ND	ND	16	No	ND	ND	ND	24
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	191	No	ND	ND	ND	16	No	ND	ND	ND	24
Cis-1,2-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	191	No	ND	ND	ND	16	No	ND	ND	ND	24
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	191	No	ND	ND	ND	16	No	ND	ND	ND	24
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	191	No	ND	ND	ND	16	No	ND	ND	ND	24
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	191	No	ND	ND	ND	16	No	ND	ND	ND	24
1,2-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	191	No	ND	ND	ND	16	No	ND	ND	ND	24
1,2-Dichloropropane																			

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 39					Distribution Area 44					Distribution Area 53				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity, total	Naturally occurring	n/a	n/a	mg/L	No	25.4	37.8	31.3	10	No	32.0	42.6	36.2	6	No	ND	49.8	29.1	27
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.03	ND	10	No	ND	0.03	ND	6	No	0.03	1.03	0.33	36
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	17
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	36
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	36
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	71
Bromide	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	28
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	36
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	7.5	10.6	9.0	10	No	10.4	15.8	12.7	6	No	ND	1.7	0.6	71
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.3	5.0	3.1	10	No	0.7	18.0	6.0	6	No	7.2	108.3	17.0	27
Chloride	Naturally occurring, salt water intrusion	250	n/a	mg/L	No	6.5	11.1	8.1	10	No	11.8	15.2	13.7	6	No	3.9	5.1	4.4	28
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.88	0.63	10	No	ND	0.58	ND	6	No	ND	0.95	ND	36
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	36
Color	Naturally occurring, metals or minerals	15	n/a	Color Units	No	ND	ND	ND	10	No	ND	ND	ND	6	Yes	ND	15	9	27
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	0.20	0.03	36
Dissolved Solids, total	Naturally occurring, minerals and metals	n/a	n/a	mg/L	No	58	83	69	10	No	84	122	96	6	No	41	75	57	26
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	28
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	25.9	37.1	31.2	10	No	36.9	56.4	44.9	6	No	ND	5.9	ND	71
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	0.14	0.65	0.49	10	No	0.16	0.42	0.33	6	No	ND	0.16	0.07	26
Iron	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	10	No	ND	59	31	6	Yes	139	702	318	71
Lead	Household plumbing, lead solder	AL=15	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	2.9	ND	36
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	1.6	ND	10	No	ND	1.9	ND	6	No	3.9	9.4	5.8	36
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	1.70	2.70	2.09	10	No	2.65	4.60	3.20	6	No	ND	0.41	ND	71
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	71
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	36
Nickel	Alloys, coatings, manufacturing, batteries	100	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	0.8	ND	36
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.44	0.95	0.62	6	No	0.44	0.95	0.62	6	No	ND	ND	ND	28
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	0.15	ND	10	No	ND	0.39	0.13	6	No	ND	ND	ND	18
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	3.59	0.51	71
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.1	8.2	7.4	10	No	6.6	8.1	7.3	6	No	5.7	7.1	6.6	27
pH, lab	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	7.7	7.2	10	No	6.8	7.9	7.2	6	No	6.0	7.4	6.9	27
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.44	0.62	0.52	10	No	0.62	0.82	0.69	6	No	1.78	4.03	2.69	71
Silicon	Naturally occurring	n/a	n/a	mg/L	No	5.0	8.0	6.4	10	No	5.9	8.8	6.8	6	No	4.3	5.8	4.7	36
Sodium	Naturally occurring	n/a	n/a	mg/L	No	5.3	7.2	6.0	10	No	8.5	10.2	9.5	6	No	5.8	27.7	14.1	71
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	89	123	104	10	No	134	186	153	6	No	61	115	80	27
Selenium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	36
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.022	0.032	0.028	10	No	0.034	0.071	0.045	6	No	ND	ND	ND	36
Sulfate	Naturally occurring	250	n/a	mg/L	No	5.4	7.6	6.6	10	No	8.8	29.8	13.3	6	No	3.8	4.6	4.3	28
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	8	No	ND	ND	ND	4	No	ND	ND	ND	14
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	42.5	13.2	71
Total Organic Carbon	Naturally occurring	n/a	n/a	mg/L	No	0.27	0.27	0.27	2	No	0.30	0.32	0.31	2	No	0.27	0.93	0.51	8
Turbidity	Silts and clays in aquifer	n/a	n/a	NTU	No	ND	0.50	ND	10	No	ND	0.50	ND	6	No	0.80	4.6	2.0	27
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	10	No	ND	2.0	ND	6	No	ND	1.1	ND	36
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	36
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																			
Alachlor	Used as a herbicide	2	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	19
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	18
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	18
Aldicarb, Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	18
Aldicarb, Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	18
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	18
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	18
Diethyltoluamide (DEET)	Insect repellent	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
1,4-Dioxane	Used in manufacturing processes	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	18
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	18
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	18
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	18
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	18
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	19
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	19
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	0.26	ND	6	No	ND	ND	ND	18
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	18
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	5	No	ND	ND	ND	3	No	ND	ND	ND	9
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	18
Tetrachloroterephthalic Acid	Used as an herbicide	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	18
Volatile Organic Compounds																			
Carbon Tetrachloride	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	24	No	ND	ND	ND	26
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	24	No	ND	ND	ND	26
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	24	No	ND	ND	ND	26
Cis-1,2-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	24	No	ND	ND	ND	26
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	24	No	ND	ND	ND	26
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	24	No	ND	ND	ND	26
1,1-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	24	No	ND	ND	ND	26
1,2-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	24	No	ND	ND	ND	26
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	24	No	ND	ND	ND	26

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 54					Distribution Area 55					Distribution Area 57				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity, total	Naturally occurring	n/a	n/a	mg/L	No	ND	35.6	28.5	24	No	22.4	38.4	29.5	12	No	35.0	40.6	37.2	5
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	0.04	0.89	0.27	33	No	0.05	0.26	0.12	14	No	ND	0.04	ND	5
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	0.03	ND	20	No	ND	ND	ND	16	No	ND	ND	ND	8
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	33	No	ND	ND	ND	14	No	ND	ND	ND	5
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	ND	ND	33	No	ND	ND	ND	14	No	ND	ND	ND	5
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	0.13	ND	45	No	ND	ND	ND	32	No	ND	ND	ND	5
Bromide	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	25	No	ND	ND	ND	12	No	ND	ND	ND	6
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	33	No	ND	ND	ND	14	No	ND	ND	ND	5
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	ND	2.7	ND	45	No	ND	1.5	ND	32	No	10.1	12.4	11.3	5
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	2.9	20.0	8.3	24	No	1.0	11.4	6.6	12	No	3.3	9.7	6.6	5
Chloride	Naturally occurring, salt water intrusion	250	n/a	mg/L	No	3.6	6.3	4.4	25	No	3.6	6.1	4.7	12	No	24.3	28.8	26.7	6
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.89	ND	33	No	ND	0.57	ND	14	No	ND	0.65	ND	5
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	33	No	ND	ND	ND	14	No	ND	ND	ND	5
Color	Naturally occurring, metals or minerals	15	n/a	Color Units	No	ND	10	6	24	No	5	10	5	12	No	ND	ND	ND	5
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.03	ND	33	No	ND	0.02	ND	14	No	ND	0.03	ND	5
Dissolved Solids, total	Naturally occurring, minerals and metals	n/a	n/a	mg/L	No	45	63	55	25	No	47	67	58	12	No	109	125	117	5
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	0.2	ND	25	No	ND	ND	ND	12	No	ND	ND	ND	6
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	ND	7.0	ND	45	No	ND	3.8	ND	32	No	42.4	48.9	45.3	5
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	0.16	0.05	24	No	ND	0.07	0.04	12	No	0.32	0.49	0.40	5
Iron	Naturally occurring	300	n/a	ug/L	No	40	209	112	45	Yes	117	702	294	32	No	ND	46	ND	5
Lead	Household plumbing, lead solder	AL=15	0	ug/L	No	ND	1.6	ND	33	No	ND	ND	ND	14	No	ND	ND	ND	5
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	4.4	3.2	33	No	2.8	6.6	4.4	14	No	ND	1.6	1.3	5
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	45	No	ND	0.15	ND	32	No	3.83	4.35	4.13	5
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	32	No	ND	ND	ND	5
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	33	No	ND	ND	ND	14	No	ND	ND	ND	5
Nickel	Alloys, coatings, manufacturing, batteries	100	n/a	ug/L	No	ND	1.7	ND	33	No	ND	ND	ND	14	No	ND	ND	ND	5
Nitrate	Natural deposits, fertilizer, septic tanks	100	10	mg/L	No	ND	ND	ND	25	No	ND	ND	ND	12	No	0.47	0.85	0.56	6
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	0.17	0.11	8
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	1.23	0.33	45	No	ND	0.35	ND	32	No	ND	ND	ND	5
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.3	7.4	6.9	24	No	6.7	7.9	7.0	12	No	6.9	7.4	7.1	5
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	7.7	7.0	23	No	7.0	8.0	7.2	12	No	7.0	7.8	7.3	5
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.88	1.79	1.23	45	No	1.10	3.73	2.14	32	No	0.95	1.04	0.99	5
Silicon	Naturally occurring	n/a	n/a	mg/L	No	3.9	5.2	4.7	33	No	4.4	5.5	4.9	14	No	7.4	9.8	9.2	5
Sodium	Naturally occurring	n/a	n/a	mg/L	No	10.8	32.5	14.9	45	No	11.0	19.8	14.7	32	No	15.3	17.9	16.6	5
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	60	92	78	24	No	62	100	80	12	No	180	199	188	5
Selenium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	33	No	ND	ND	ND	14	No	ND	ND	ND	5
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	0.12	ND	33	No	ND	ND	ND	14	No	0.047	0.056	0.052	5
Sulfate	Naturally occurring	250	n/a	mg/L	No	3.2	4.0	3.5	25	No	3.6	5.5	4.4	12	No	7.3	8.0	7.7	6
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	12	No	ND	ND	ND	10	No	ND	ND	ND	7
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	17.7	9.5	45	No	ND	19.5	8.9	32	No	ND	ND	ND	5
Total Organic Carbon	Naturally occurring	n/a	n/a	mg/L	No	0.56	1.03	0.76	8	No	0.35	0.41	0.38	2	No	ND	0.81	0.47	2
Turbidity	Silts and clays in aquifer	n/a	n/a	NTU	No	ND	2.7	1.0	24	No	0.70	1.7	1.0	12	No	ND	ND	ND	5
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	1.1	ND	33	No	ND	ND	ND	14	No	ND	ND	ND	5
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	33	No	ND	ND	ND	14	No	ND	ND	ND	5
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																			
Alachlor	Used as a herbicide	2	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	7
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	8
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	8
Aldicarb, Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	8
Aldicarb, Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	8
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	8
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	8
Diethyltoluamide (DEET)	Insect repellent	50	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	12	No	ND	ND	ND	8
1,4-Dioxane	Used in manufacturing processes	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	8
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	8
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	12	No	ND	ND	ND	8
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	8
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	8
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	8
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	7
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	7
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	8
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	8
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	7	No	ND	ND	ND	8
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	8
Tetrachloroterephthalic Acid	Used as an herbicide	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	12	No	ND	ND	ND	8
Volatile Organic Compounds																			
Carbon Tetrachloride	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	12	No	ND	ND	ND	8
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	12	No	ND	ND	ND	8
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	12	No	ND	ND	ND	8
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	12	No	ND	ND	ND	8
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	12	No	ND	ND	ND	8
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	12	No	ND	ND	ND	8
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	12	No	ND	ND	ND	8
1,2-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	12	No	ND	ND	ND	8
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	12	No	ND	ND	ND	8
Ethyl Benzene	From paint on inside of water storage tank																		

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area EFWD					Distribution Area RSWD					Distribution Area SBWD				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity, total	Naturally occurring	n/a	n/a	mg/L	No	21.8	39.6	27.5	27	No	27.2	38.0	32.0	12	No	23.0	94.4	46.2	16
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.11	0.03	33	No	ND	0.04	ND	12	No	ND	0.05	0.03	16
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	21	No	ND	ND	ND	4	No	ND	ND	ND	8
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	33	No	ND	ND	ND	12	No	ND	ND	ND	16
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	ND	ND	33	No	ND	ND	ND	12	No	ND	ND	ND	16
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	50	No	ND	ND	ND	12	No	ND	ND	ND	16
Bromide	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	26	No	ND	ND	ND	12	No	ND	ND	ND	16
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	33	No	ND	ND	ND	12	No	ND	ND	ND	16
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	0.6	16.4	9.0	50	No	7.8	11.5	9.4	12	No	6.5	35.7	15.9	16
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	1.3	10.2	3.9	27	No	0.4	4.7	2.4	12	No	1.2	20.2	5.0	16
Chloride	Naturally occurring, salt water intrusion	250	n/a	mg/L	No	3.6	29.7	9.1	26	No	6.9	8.5	7.6	12	No	4.2	43.5	13.7	16
Chromium, total	Natural deposits	100	100	ug/L	No	ND	1.17	ND	33	No	ND	0.71	ND	12	No	ND	1.79	0.93	16
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	3.3	1.1	33	No	ND	ND	ND	12	No	ND	ND	ND	16
Color	Naturally occurring, metals or minerals	15	n/a	Color Units	No	ND	5	ND	27	No	ND	5	ND	12	No	ND	5	ND	16
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	33	No	ND	ND	ND	12	No	ND	0.02	ND	16
Dissolved Solids, total	Naturally occurring, minerals and metals	n/a	n/a	mg/L	No	38	94	54	26	No	60	78	68	12	No	46	240	99	16
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	26	No	ND	ND	ND	12	No	ND	ND	ND	16
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	2.3	51.0	27.6	50	No	26.7	39.9	31.9	12	No	19.5	135.9	53.0	16
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	0.17	0.08	26	No	0.17	0.67	0.41	12	No	0.20	1.57	0.77	16
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	303	76	50	No	ND	176	34	12	No	ND	171	35	16
Lead	Household plumbing, lead solder	AL=15	0	ug/L	No	ND	ND	ND	33	No	ND	3.5	1.4	12	No	ND	ND	ND	16
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	1.7	ND	33	No	ND	1.2	ND	12	No	ND	ND	ND	16
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	0.19	2.63	1.25	50	No	1.74	2.70	2.03	12	No	0.74	11.36	3.25	16
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	22	ND	50	No	ND	ND	ND	12	No	ND	ND	ND	16
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	33	No	ND	ND	ND	12	No	ND	ND	ND	16
Nickel	Alloys, coatings, manufacturing, batteries	100	n/a	ug/L	No	ND	6.2	2.1	33	No	ND	ND	ND	12	No	ND	0.9	ND	16
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	1.34	0.24	26	No	ND	ND	ND	12	No	ND	5.52	1.70	16
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	0.67	0.20	23	No	ND	0.15	ND	4	No	ND	0.27	0.10	8
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	0.74	ND	50	No	ND	ND	ND	12	No	ND	0.54	ND	16
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.8	7.7	7.2	27	No	7.1	8.2	7.5	12	No	7.0	7.7	7.3	16
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	7.9	7.3	25	No	7.0	7.9	7.3	12	No	6.6	7.8	7.4	16
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.31	1.00	0.62	50	No	0.43	0.62	0.53	12	No	0.31	1.86	0.76	16
Silicon	Naturally occurring	n/a	n/a	mg/L	No	2.8	7.1	3.4	33	No	5.1	8.0	6.4	12	No	3.2	8.1	5.7	16
Sodium	Naturally occurring	n/a	n/a	mg/L	No	4.6	16.1	10.3	50	No	4.9	6.4	5.7	12	No	3.8	25.6	9.1	16
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	56	179	90	27	No	92	115	104	12	No	62	415	159	16
Selenium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	33	No	ND	ND	ND	12	No	ND	ND	ND	16
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	0.058	0.021	33	No	0.024	0.040	0.031	12	No	0.012	0.121	0.039	16
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	7.3	ND	26	No	5.2	6.9	6.2	12	No	ND	17.7	5.3	16
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	10	No	NA	NA	NA	0	No	NA	NA	NA	0
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	50	No	ND	ND	ND	12	No	ND	ND	ND	16
Total Organic Carbon	Naturally occurring	n/a	n/a	mg/L	No	ND	0.60	ND	8	No	ND	0.28	ND	4	No	ND	0.37	ND	8
Turbidity	Silts and clays in aquifer	n/a	n/a	NTU	No	ND	0.50	ND	27	No	ND	1.00	ND	12	No	ND	ND	ND	16
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	33	No	ND	ND	ND	12	No	ND	ND	ND	16
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	33	No	ND	ND	ND	12	No	ND	ND	ND	16
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																			
Alachlor	Used as a herbicide	2	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	4	No	ND	ND	ND	8
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	4	No	ND	ND	ND	8
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	4	No	ND	ND	ND	8
Aldicarb, Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	4	No	ND	ND	ND	8
Aldicarb, Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	4	No	ND	ND	ND	8
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	4	No	ND	ND	ND	8
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	4	No	ND	ND	ND	8
Diethyltoluamide (DEET)	Insect repellent	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	4	No	ND	ND	ND	8
1,4-Dioxane	Used in manufacturing processes	50	n/a	ug/L	No	ND	5.44	3.30	52	No	ND	ND	ND	4	No	ND	0.34	0.10	8
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	4	No	ND	ND	ND	8
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	4	No	ND	ND	ND	8
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	4	No	ND	ND	ND	8
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	4	No	ND	ND	ND	8
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	4	No	ND	ND	ND	8
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	4	No	ND	ND	ND	8
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	4	No	ND	ND	ND	8
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	4	No	ND	ND	ND	8
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	4	No	ND	ND	ND	8
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	2	No	ND	ND	ND	4
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	4	No	ND	ND	ND	8
Tetrachloroethylene	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	4	No	ND	ND	ND	8
Volatile Organic Compounds																			
Carbon Tetrachloride	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	84	No	ND	ND	ND	12	No	ND	ND	ND	16
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	84	No	ND	ND	ND	12	No	ND	0.14	ND	16
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	1.31	ND	84	No	ND	ND	ND	12	No	ND	ND	ND	16
Cis-1,2-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	No	ND	0.72	ND	84	No	ND	ND	ND	12	No	ND	ND	ND	16
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	84	No	ND	ND	ND	12	No	ND	ND	ND	16
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	1.69	0.30	84	No	ND	ND	ND	12	No	ND	0.57	ND	16
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	1.04	ND	84	No	ND	ND	ND	12	No	ND	0.25	ND	16
1,2-Dichloroethane	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	84	No	ND	ND	ND	12	No	ND	ND	ND	16
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	84	No	ND	ND	ND	12	No				

Notices and Statistics for Water Districts the SCWA Operates

Special Notice for East Farmingdale Water District

The Suffolk County Water Authority assumed operation of the East Farmingdale Water District in October of 2010. Test results for the East Farmingdale Water District may be found on page 42 under Distribution Area EFWD and pertinent statistics are in the table shown below. Although this notice is being provided separately, please be assured information you read elsewhere in this booklet about the protections and services we offer to our customers applies to you as well.

East Farmingdale Water District Statistics

Customers	2,394
Population Served	7,182
Miles of Main	43
Fire Hydrants	588
Water Used (Million Gallons)	648
Average Annual Bill (261,971 gallons)	\$533
Water Billed (Million Gallons)	623
Percentage of Water Unaccounted for	10%

Special Notice for Riverside Water District

The Suffolk County Water Authority operates the Riverside Water District, and we serve approximately 1,749 people there. Test results for the Riverside Water District may be found on page 42 under Distribution Area RSWD. Although this notice is being provided separately, please be assured information you read elsewhere in this booklet about the protections and services we offer to our customers applies to you as well.

Special Notice for Stony Brook Water District

The Suffolk County Water Authority operates the Stony Brook Water District. Test results for the Stony Brook Water District may be found on page 42 under Distribution Area SBWD and pertinent statistics are in the table shown below. Although this notice is being provided separately, please be assured information you read elsewhere in this booklet about the protections and services we offer to our customers applies to you as well.

Stony Brook Water District Statistics

Customers	1,621
Population Served	4,863
Miles of Main	32
Fire Hydrants	343
Water Used (Million Gallons)	218
Average Annual Bill (97,719 gallons)	\$68
Water Billed (Million Gallons)	210
Percentage of Water Unaccounted for	10%

Special Notice for Brentwood and Fair Harbor Water Districts

The Suffolk County Water Authority assumed operation of the Brentwood and Fair Harbor Water Districts in 2000. Brentwood Water District is a part of SCWA Distribution Area 12. Test results for Brentwood may be found on page 37. Test results for Fair Harbor may be found on page 40 under Distribution Area 53. Although this notice is being provided separately, please be assured information you read elsewhere in this booklet about the protections and services we offer to our customers applies to you as well.



Alkalinity Testing



Colilert Bacteria Test

Thank you for taking the time to read this report. If you have any questions about the information contained in this report, your drinking water, or the Authority in general, please call our Customer Service Center at 631-698-9500. We will be more than happy to answer your questions. This Drinking Water Quality Report is available at www.scwa.com/DWQR.

Need more information about us? You may also be interested in attending one of the meetings of the Suffolk County Water Authority Board. Please feel free to attend these meetings, which are generally held at 5:30 p.m. on the last Monday of the month at our headquarters in Oakdale. Additionally, the Suffolk County Department of Health Services Office of Water Resources oversees the SCWA. If you prefer, questions regarding the SCWA and/or this report can be directed to them at 631-852-5810.

Federal Public Water Supply ID Numbers

Brentwood Water District	5103692	Riverside Water District	5105655
East Farmingdale Water District	5103701	Stony Brook Water District	5103698
Fair Harbor Water District	5110599	Suffolk County Water Authority	5110526

SCWA Offices and Contact Information

Normal business hours, Monday - Friday, 8:30 a.m. - 5:00 p.m.

Administrative Offices

4060 Sunrise Highway Oakdale, NY 11769

Customer Service Center

2045 Route 112, Suite 5, Coram, NY 11727 (631) 698-9500

For the **Hearing Impaired** the
TDD Customer Service Number is **589-5210**



MISSION STATEMENT

“We pledge to provide safe, pure and constantly tested drinking water at the lowest possible cost with exemplary customer service.”