2011 ANNUAL
DRINKING WATER QUALITY REPORT

(For the period January 1, 2010 to December 31, 2010)

www.scwa.com

Suffolk County Water Authority

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

Dear Customers of the Suffolk County Water Authority:

I'm proud to present you the Suffolk County Water Authority's 2011 Annual Drinking Water Quality Report. The report includes 16 pages of charts, data, maps and information about the quality of your drinking water. I hope the report answers all of your questions, but if not, please do not hesitate to call us at one of the telephone numbers listed on the back page.

At SCWA, our top priority is to provide our customers with the highest quality drinking water. In fact, the quality of our drinking water far exceeds New York State's standards, which are among the strictest in the country. Once again in 2011, we have met the exacting standards rigorously enforced by the New York State Health Department and the United States Environmental Protection Agency, and our drinking water has been found to be safe.

Our approach to water quality testing is very aggressive and comprehensive. Our state and federally certified water-testing laboratory, recognized as one of the most sophisticated in the country, tests for 286 chemical constituents - even though we are required to test for about half that number. Last year, SCWA's laboratory analyzed more than 66,000 water samples to produce over 187,000 test results. Our frequency of testing far exceeds what is required because we have made a commitment to our customers to meet and exceed all water quality standards.

Our laboratory operates around the clock, 365 days per year. It contains equipment that is state-of-the-art and capable of measuring minute traces of various contaminants down to less than one part-per-billion, or ppb. One part-per-billion, or one microgram-per-liter (ug/l), corresponds to one second in the life of a 32-year-old person.

You will see the abbreviations ppb and ug/l, as well as other measurements, in the pages that follow. The document is, by necessity, complex and scientific in nature. Should you encounter any difficulty in finding or understanding your test results or have questions about any other aspect of this report, please do not hesitate to call us. We are here to help you.

James F. Gaughran, Chairman
Suffolk County Water Authority

Here's what you will find inside:

- **Page 2** explains how our water cycle works and offers tips on protecting our groundwater supply; it includes a summary of the Source Water Assessment Program; and also includes important information for immuno-compromised individuals.
- **Page 3** provides information about various constituents that can be present in water, such as nitrate, lead, and radon; the page includes information on SCWA wells placed in service and taken out of service last year.
- **Page 4** provides a list of compounds we tested for that were not detected in our distribution system and various tables displaying test results for lead, copper and bacteria.
- **Page 5** includes a list of all compounds detected in our drinking water last year, and a helpful table of all terms and abbreviations used in the report.
- **Pages 6 and 7** provide a list of our water distribution areas, which will help you find the distribution area that serves your home or business.
- **Pages 8 and 9** display a comprehensive map of our distribution areas.
- **Pages 10 through 15** provide the data for every distribution area; it includes the lowest, highest and average readings for every constituent detected in our drinking water.
- **Page 16** contains the contact information for our offices; SCWA statistics, information on conserving water and e-billing; and several notices for the water districts we operate are included.

Please Note:

The Suffolk County Water Authority is required to mail this statement to each customer by both state and federal law.

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

ABOUT OUR WATER SOURCE

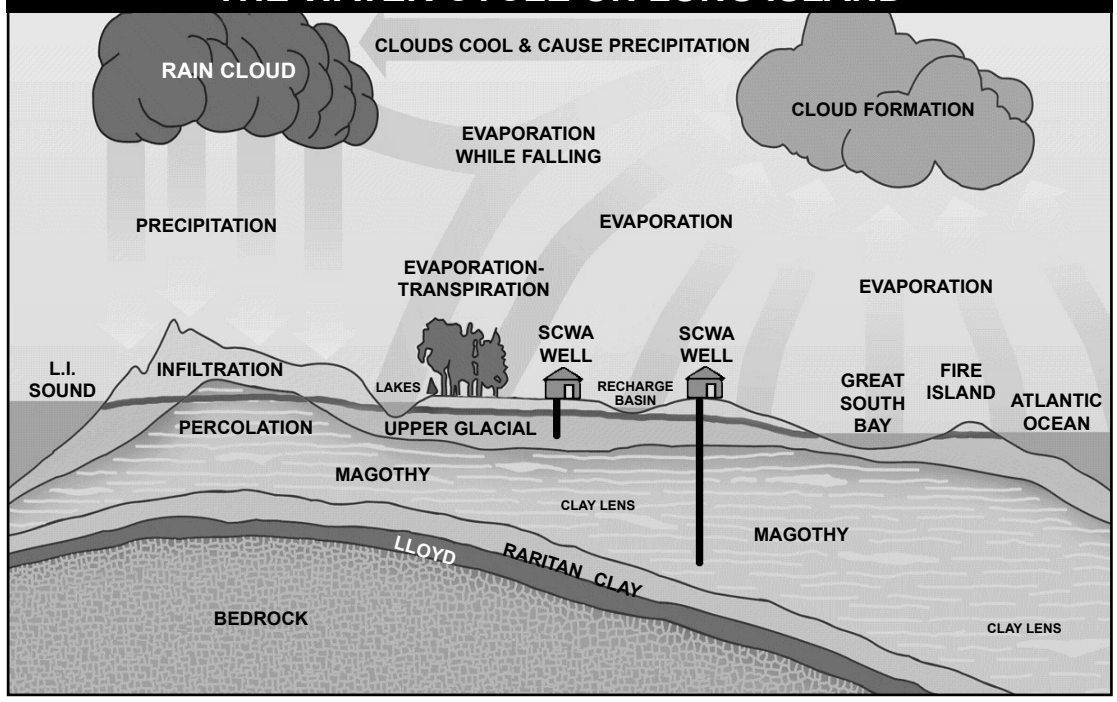
In general, the sources of drinking water (both tap water and bottled water) can include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and in some cases, radioactive material, and can pick up substances resulting from the presence of animals or human activities. Contaminants that ***may*** be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants.

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. 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:

Glacial — contains the newest water to the groundwater system. The Water Authority has 268 wells drawing from this portion of the aquifer. Virtually all private wells draw from the Glacial Aquifer.
Magothy — is the largest of the three formations and holds the most water, much of which is hundreds of years old. There are 329 Water Authority wells drawing from this portion of the aquifer.
Raritan — 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 Water Authority has 3 wells in the Raritan.
Lloyd — 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 Water Authority has 3 Lloyd wells.

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 2000 feet).

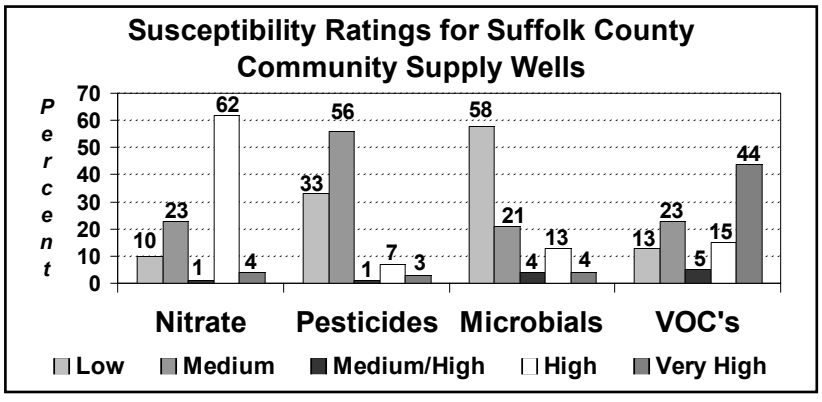
THE WATER CYCLE ON LONG ISLAND



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 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.



Summary chart of susceptibility ratings for Suffolk County community supply wells show the majority of wells having high susceptibility for nitrate, medium susceptibility for pesticides, low susceptibility for microbials and very high susceptibility for VOCs.

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.

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.

Additional information regarding your water supply is available in the Annual Water Quality Report Supplement. The Supplement contains raw water analytical data for our wells from samples that were collected before treatment and prior to being pumped to our customers. The Supplement is available to you by contacting our laboratory at (631) 218-1112.

PROTECTING OUR GROUNDWATER

To ensure that Suffolk residents will continue to have pure and safe groundwater, the SCWA is at the forefront of aquifer protection measures, including sponsoring bills that protected the Central Pine Barrens. These measures have resulted in the preservation of over 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.

We have partnered with the Long Island Groundwater Research Institute (LIGRI) at SUNY Stony Brook to study groundwater hydrology and chemistry. The focus of this scientific research is Long Island's aquifer system, and the goal is to utilize the results in practical applications to groundwater problems.

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. Additionally, group tours of our state-of-the-art water quality testing laboratory or one of pump stations can be arranged.

We strive to educate residents about environmentally-friendly lawn care techniques that can be used to reduce the amount of fertilizers, pesticides, and herbicides applied to lawns and gardens. And we believe it is in everyone's best interest to reduce the use of toxic chemicals in our homes and businesses. Part of this same program educates the public on the best ways to water their lawns. Using proper watering techniques, our customers will find their lawns are healthier and that they can reduce or eliminate the amount of fertilizers, pesticides, and herbicides they use. Information on conserving water can be found on the back page of this report.

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.

HOW SCWA ENSURES THE QUALITY OF YOUR WATER

We are committed to providing the highest quality drinking water to our customers. Our laboratory tests 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.**

EDUCATIONAL INFORMATION

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).

NITRATE

Nitrate, commonly found in drinking water, has an MCL of 10 ppm (parts per million). This means that 10 ppm is the highest level of nitrate allowed in drinking water. Nitrate in drinking water at levels above 10 ppm can be a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby-syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If your water contains nitrate above 5 ppm (half of the current MCL) but below 10 ppm, and you are caring for an infant under the age of six months, you should ask for advice from your health care provider. **Please note that there has never been a recorded case of blue-baby syndrome in Suffolk County.**

IRON

Iron is naturally occurring and has no health effects. At 1,000 ug/l a substantial number of people will note the bitter astringent taste of iron. Also, at this concentration, it imparts a brownish color to laundered clothing and stains plumbing fixtures with a characteristic rust color. Staining can result at levels of 50 ug/l, lower than those detectable to taste buds. Therefore, the MCL of 300 ug/l represents a reasonable compromise as adverse aesthetics effects are minimized at this level. Many multivitamins may contain 3,000 or 4,000 micrograms of iron per capsule.

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 http://www.epa.gov/safewater/lead.

RADON

Radon, is a naturally-occurring radioactive gas found in soil and outdoor air that 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.

In 2010 we tested for radon at 85 locations throughout our system. The test results ranged from non-detect (no radon was detected) to 296 picocuries per liter (pCi/L). Low levels of radon are naturally occurring in our environment. Currently there is no established state or federal MCL for radon. For further information, call the state radon program at (800) 458-1158 or call the EPA's Radon Hotline at (800) SOS-Radon.

UNREGULATED CONTAMINANT MONITORING REGULATION (UCMR)

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

The second list (UCMR2) published on January 4, 2007 included the chemicals used in explosives, flame retardants and insecticides, nitrosamines (compounds produced from the disinfection of drinking water) and herbicides and herbicide by-products. As our Annual Water Quality Statements for 2008 and 2009 indicated, we tested all our in service wells and none of the chemicals from explosive or flame retardants were detected. In 2010 we tested 5 new wells for these chemicals, and the results were non-detect.

IPMP

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. Due to the presence of this odor in Coram, Selden, Medford and Peconic Landing, we collected 29 samples from the wells in these areas to test for IPMP. Two wells in Coram were found to have IPMP and the results ranged from non-detect (no IPMP found) to 6.8 parts per trillion. Two other taste and odor compounds were also tested and the results were non-detect. There are no known health effects from this compound, nor has an MCL been set by EPA.

WATER TREATMENT

As most of our water already meets all state and federal water quality standards, it generally does not receive extensive treatment. Minute traces of chlorine are routinely added according to the specifications of the state health department to inhibit bacterial growth that could occur in our water mains and tanks.

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 Bacteriology and Lead and Copper can be found on page 4.

In areas where the groundwater naturally contains iron levels higher than the standard, sequestering agents such as polyphosphates 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 additional treatment using granular activated carbon filtration. Air strippers, ion exchange, reverse osmosis, and perchlorate removal filters are also used as needed. In some cases, wells are blended together at the pump station to lower the amount of inorganic contaminants, such as nitrate and perchlorate, in our distribution system.

NEW TESTING

PHARMACEUTICALS AND PERSONAL CARE PRODUCTS (PPCPs)

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. 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 2010 we screened all of our wells for 16 PPCPs, and detected Dilantin and Carbamazepine. The concentrations found are at levels far below medical doses, and have no known health effects. Information on how to dispose of unwanted pharmaceuticals can be found at: www.epa.gov/ppcp.

WELLS PLACED IN SERVICE IN 2010

In 2010, the SCWA added 12 new wells to the system and replaced 7 wells. In addition, this table lists 14 wells which were placed on filtration to remove the contaminant(s) noted, or blended for the inorganic contaminant noted.

WELL NAME	LOCATION	CONTAMINANT
Bay Shore Rd. #1, #2, #3	North Islip	Iron, Manganese
Cornell Dr. #2	Smithtown	Tetrachloroethene
County Rd. 111 #2	Manorville	Tetrachloroethene
Eastwood Blvd. #3	Centereach	1,1,1 Trichloroethane
Fisher Ave. #4	Islip Terrace	Chloride
Liberty St. #1	Hauppauge	Tetrachloroethene
Middleville Rd. #1	Northport	1,1,1 Trichloroethane
Mill La. #15A	Huntington	Trichloroethene
Old North Rd. #2, #3	Southold	Aldicarb Sulfoxide
Sunset Dr. #3A	Mattituck	Aldicarb Sulfone
Wheeler Rd. #2	Hauppauge	Perchlorate

WELLS TAKEN OUT OF SERVICE IN 2010

In 2010, the SCWA retired 8 wells. In addition, the 8 wells listed in this table were removed from service because they had elevated levels of the contaminant(s) noted.

WELL NAME	LOCATION	CONTAMINANT
County Rd. 111 #2	Manorville	Tetrachloroethene
Fisher Ave. #4	Islip Terrace	Chloride
Madison Hill Dr. #2, #3A	Montauk	Arsenic, Manganese
Meetinghouse Rd. #16	Quiogue	Manganese
Reservoir Ave. #1	Northport	Nitrate
Sandy Walk #4, #5	Dunewood	Turbidity

* 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.

HOW TO REVIEW THE WATER QUALITY FOR YOUR AREA

On the next two pages you will find lists of the compounds that were found and those that were not found in our drinking water.

On pages 6 and 7 you will find a list for all areas we supply water to. This list will direct you to the page where your water quality results are listed.

TABLE OF UNDETECTED COMPOUNDS

During 2010 we tested our drinking water for these compounds and they were <u>not</u> detected.

1,1,1,2-Tetrachloroethane	Albuterol	Continine	Heptachlor Epoxide	Phenanthrene
1,1,2,2-Tetrachloroethane	Aldicarb	Cyanide	Heptachlor	Picloram
1,1,2-Trichloroethane	Aldrin	Dalapon	Hexachlorobenzene	Potassium-40
1,1-Dichloropropene	Americium-241	DCPA (Dacthal)	Hexachlorobutadiene	Propachlor
1,2,3-Trichlorobenzene	AMPA	Di(2-Ethylhexyl) adipate	Hexachlorocyclopentadiene	Propachlor ESA
1,2,4-Trichlorobenzene	Anthracene	Di(2-Ethylhexyl) phthalate	Hydrocodone	Propachlor OA
1,2,4-Trimethylbenzene	Asbestos	Diazepam	Ibuprofen	Propoxur
1,2-Dibromo-3-Chloropropane	Atrazine	Dibromomethane	Isophorone	Propylene Glycol
1,2-Dibromoethane (EDB)	Bentazon	Dicamba	Isopropylbenzene	Sec-Butylbenzene
1,2-Dichlorobenzene	Benz[a]Anthracene	Dichlorprop	Lead-210	Selenium
1,3,5-Trimethylbenzene	Benzene	Dieldrin	Lead-212	Silver
1,3-Dichlorobenzene	Benzo[a]Pyrene	Diethylphthalate	Malathion	Silver-110
1,3-Dichloropropane	Benzotriazole	Di-Isopropyl Ether	Manganese-54	Silvex (2,4,5-TP)
1,4-Dichlorobenzene	Beryllium	Dimethenamid ESA	Mercury	Simazine
1-Naphthol	Beryllium-7	Dimethenamid OA	Methiocarb	Sodium-22
2,2-Dichloropropane	BHC, Alpha	Dimethylphthalate	Methomyl	Standard Plate Count
2,4-D	BHC, Beta	Di-n-Butyl Phthalate	Methoxychlor	Styrene
2,4-DB	BHC, Delta	Dinoseb	Methylene Chloride	Surfactants, anionic
2,4-Dinitrotoluene	BHC, Gamma (Lindane)	Diquat	Metribuzin	Sulfamethoxazole
2,4,5-T	Bromacil	E.Coli	Molinate	Terbacil
2,6-Dinitrotoluene	Bromobenzene	Endosulfan I	Naphthalene	Tert-Amyl Methyl Ether
2-Butanone (MEK)	Bromochloromethane	Endosulfan II	Naproxen	Tert-Butyl Alcohol
2-Chlorotoluene	Bromomethane	Endothall	N-Butylbenzene	Tert-Butylbenzene
3,5-Dichlorobenzoic Acid	Butachlor	Endrin Aldehyde	Nitrite	Tetrahydrofuran
3-Hydroxycarbofuran	Butylbenzylphthalate	Endrin	Nitrobenzene	Thallium
4,4' - DDD	Caffeine	Enterococci	N-Nitroso-diethylamine (NDEA)	Toluene
4,4' - DDE	Carbaryl	EPTC	N-Nitroso-di-n-butylamine (NDBA)	Tolytriazole
4,4' - DDT	Carbofuran	Erythromycin	N-Nitroso-di-n-propylamine (NDPA)	Toxaphene
4-Chlorotoluene	Carbon Tetrachloride	Ethylbenzene	N-Nitroso-methylethylamine (NMEA)	Trans-1,2-Dichloroethene
4-Isopropyltoluene	Cesium-137	Ethylene Glycol	N-Nitroso-pyrrolidine (NPYR)	Trans-1,3-Dichloropropene
4-Methyl-2-Pentanone	Chloramben	Ethyl-Tert-Butyl Ether	N-Nitrosopiperidine (NPIP)	Tribromoacetic Acid
4-Nitrophenol	Chlordane, Total	Europium-152	N-Propylbenzene	Trifluralin
Acetaminophen	Chlorobenzene	Europium-154	Odor	Trimethoprim
Acetochlor	Chlorodibromoacetic Acid	Europium-155	Oxamyl	Tritium
Acetochlor ESA	Chloroethane	Flufenacet ESA	o-Xylene	Uranium
Acetochlor OA	Chrysene	Flufenacet OA	p, m-Xylene	Vinyl Chloride
Acifluorfen	Cis-1,3-Dichloropropene	Fluorene	Paraquat	Warfarin
Alachlor	Cobalt-60	Gemfibrozil	PCBs	Zinc-65
Alachlor OA	Codeine	Glyphosate	Pentachlorophenol	Zirconium-95

2010 Microbiological Test Results

We monitor our drinking water for microbiological contamination on a daily basis. In 2010 we collected an average of 1,047 total Coliform samples each month, including samples from Fire Island, Stony Brook Water District, Riverside Water District, and East Farmingdale Water District.

Large water distribution areas that collect **40 or more** total Coliform samples per month must report **the highest percentage** of positive samples collected in any one month. These are represented in Table I below.

Small water distribution areas that collect **40 or less** total Coliform samples per month must report **the highest number** of positive samples collected in any one month. These are represented in Table II below.

TABLE I – Microbiological Test Results

Compound	Violation	MCL	MCLG	Unit Measurement	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 %	0.0 %	2,312
20	No	2.8 %	0 %	0.3 %	1,165

Distribution Areas 6, 10, 12, 15, 18 and 23 had **no detections** of total Coliform in 2010.

TABLE II - Microbiological Test Results

For Small Water Distribution Areas

Compound	Violation	MCL	MCLG	Unit Measurement	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**
SCWA Area 30	No	1	0	0.3 %	389
SCWA Area 44	No	1	0	1.1 %	93

The following small distribution areas had **no detections** of total Coliform in 2010: 4, 5, 7, 8, 9, 11, 14, 21, 26, 32, 35, 39, 53, 54, 55 • Stony Brook WD • Riverside WD • East Farmingdale WD

2010 Lead and Copper Test Results

We check the effectiveness of our pH treatment by monitoring for Lead and Copper at our customers homes. The following results indicate our pH treatment is optimal.

Compound	Unit of Measurement	MCLG	Action Level	Likely Source
Lead	ug/l	0	15.	Corrosion of household

Location	Violation Yes /No	Date of Sampling	Number of Samples Collected	Range of Results ug/l	90th Percentile Value (1) ug/l	Number of Samples Exceeding Action Level
SCWA	No	7/28-9/7	61	ND-3.23	2.11	0
Fire Island	No	7/14-8/11	27	ND-11.9	4.34	0
Stony Brook	No	8/18-8/26	14	ND-2.41	1.85	0
Riverside	No	8/10-8/18	13	ND-1.80	1.56	0
E. Farmingdale **(2)**	No	8/11-8/12	20	ND-30.0	10.0	1

(1) - 90th Percentile Value: The values reported for lead 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. The 90th percentile is equal to or greater than 90% of the lead values detected in your water system.

(2) - The 90th percentile value is equal to or greater than 90% of the lead values detected in your water system. In this case, 20 samples were collected from the water system shown above and the 90th percentile value was 10.0 ug/l for lead. The action level for lead was exceeded at one of the 20 sites tested.

Compound	Unit of Measurement	MCLG	Action Level	Likely Source
Copper	mg/l	1.3	1.3	Corrosion of household

Location	Violation Yes /No	Date of Sampling	Number of Samples Collected	Range of Results mg/l	90th Percentile Value (1), (2) mg/l	Number of Samples Exceeding Action Level
SCWA	No	7/28-9/7	61	ND-0.765	0.410	0
Fire Island	No	7/14-8/11	27	ND-0.871	0.688	0
Stony Brook	No	8/18-8/26	14	0.054-0.413	0.407	0
Riverside	No	8/19-8/27	13	0.034-0.692	0.662	0
E. Farmingdale	No	8/11-8/12	20	0.02-0.33	0.21	0

(1) - 90th Percentile Value: The values reported for 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. The 90th percentile is equal to or greater than 90% of the copper values detected in your water system.

(2) - The 90th percentile value is equal to or greater than 90% of the copper values detected in your water system. In this case, 135 total samples were collected from the water systems shown above and the 90th percentile values ranged from ND to 0.871 mg/l for copper. The action level for copper was not exceeded at any of the 135 sites tested.

TABLE OF DETECTED COMPOUNDS

This list contains naturally occurring compounds as well as contaminants.

Compound	Unit Measurement	MCL	MCLG	Likely Source
Radioactive Compounds				
Gross Alpha activity	pCi/l	15	0	Erosion of natural deposits
Gross Beta activity	pCi/l	50[1]	0	Decay of natural and man-made deposits
Radon	pCi/l	AMCL[2] 4000	0	Naturally occurring radioactive gas found in soil, air and water
Radium-228	pCi/l	5[3]	0	Erosion of natural deposits
Inorganic Compounds				
Alkalinity, total	mg/l	n/a	n/a	Naturally occurring
Aluminum	mg/l	n/a	n/a	Naturally occurring
Ammonia, free	mg/l	n/a	n/a	From ammonium nitrate fertilizer, or septic system leachate
Antimony	ug/l	6	6	Fire retardants, ceramics, electronics, solder
Arsenic	ug/l	10	0	Erosion of natural deposits
Barium	mg/l	2	2	Erosion of natural deposits
Boron	mg/l	n/a	n/a	Naturally occurring
Bromide	mg/l	n/a	n/a	Naturally occurring
Cadmium	ug/l	5	5	Corrosion of galvanized pipe and other plumbing; runoff from waste batteries and paints; erosion of natural deposits
Calcium	mg/l	n/a	n/a	Naturally occurring, added to water as Calcium Hydroxide (Lime) for pH control
CO2, calculated	mg/l	n/a	n/a	Naturally occurring
Chloride	mg/l	250	n/a	Naturally occurring, salt water intrusion
Chromium, Total	ug/l	100	100	Plumbing corrosion; erosion of natural deposits
Cobalt-59	ug/l	n/a	n/a	Naturally occurring
Color	Color units	15	n/a	From the presence of naturally occurring iron, manganese, or minerals
Copper	mg/l	AL=1.3	1.3	Corrosion of household plumbing systems
Dissolved Solids, total	mg/l	n/a	n/a	Naturally occurring minerals and metals
Fluoride	mg/l	2.2	n/a	Erosion of natural deposits
Hardness, total	mg/l	n/a	n/a	Measure of the calcium and magnesium in the water
Iron	ug/l	300	n/a	Naturally occurring
Lead	ug/l	AL=15	0	Corrosion of household plumbing systems, lead solder
Lithium	ug/l	n/a	n/a	Naturally occurring
Magnesium	mg/l	n/a	n/a	Naturally occurring
Manganese	ug/l	300	n/a	Naturally occurring
Molybdenum	ug/l	n/a	n/a	Naturally occurring
Nickel	ug/l	100	n/a	From alloy and coatings manufacturing, batteries
Nitrate	mg/l	10	10	Fertilizer use; leachate from septic tanks, sewage; erosion of natural deposits
Perchlorate	ug/l	15[4]	5	Natural contaminant found in some fertilizers; Additive in solid fuel propellant for rockets, missiles and fireworks.
Phosphate, total	mg/l	n/a	n/a	Water additive used for iron sequestering (keeping iron in solution)
pH	pH Units	n/a	n/a	Measure of the acidity or alkalinity of the water
pH, field	pH Units	n/a	n/a	Measure of the acidity or alkalinity of the water
Potassium	mg/l	n/a	n/a	Naturally occurring
Silicon	mg/l	n/a	n/a	Naturally occurring
Sodium	mg/l	n/a[5]	n/a	Naturally occurring
Specific Conductance	umho/cm	n/a	n/a	Measure of the total amount of naturally occurring minerals in the water
Strontium-88	mg/l	n/a	n/a	Naturally occurring
Sulfate	mg/l	250	n/a	Naturally occurring
Temperature, field	°Centigrade	n/a	n/a	Naturally occurring
Tin	ug/l	n/a	n/a	Solder used in plumbing
Titanium	ug/l	n/a	n/a	Naturally occurring
Total Organic Carbon	mg/l	n/a	n/a	Naturally present in the environment
Turbidity	NTU	5	n/a	Silts and clays in aquifer
Vanadium	ug/l	n/a	n/a	Naturally occurring
Zinc	mg/l	5	n/a	Naturally occurring; galvanized plumbing
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products				
Alachlor ESA	ug/l	50	n/a	Degradation product of Alachlor
Aldicarb Sulfone	ug/l	2	1	Pesticide used on row crops
Aldicarb Sulfoxide	ug/l	4	1	Pesticide used on row crops
Carbamazepine	ug/l	n/a	n/a	Anticonvulsant and mood stabilizing drug used for treatment of epilepsy and bipolar disorder
Dilantin	ug/l	n/a	n/a	Antiepileptic drug used to prevent seizures
Diethyltoluamide (DEET)	ug/l	50	n/a	Commonly used ingredient in insect repellents
1,4 Dioxane	ug/l	50	n/a	Solvent used in manufacturing processes
Hexazinone	ug/l	50	n/a	Used as an herbicide
Metalaxyl	ug/l	50	n/a	Used as a fungicide
Metolachlor	ug/l	50	n/a	Used as a soil herbicide
Metolachlor ESA	ug/l	50	n/a	Degradation product of Metolachlor
Metolachlor OA	ug/l	50	n/a	Degradation product of Metolachlor
Tetrachloroterephthalic Acid (TCPA)	ug/l	50	n/a	Used as an herbicide

1 The State considers 50 pCi/l to be the level of concern for beta particles.

2 AMCL = Alternative Maximum Contaminant Level.

3 An MCL violation occurs when the average of four quarterly samples exceeds the MCL.

4 Interim Drinking Water Health Advisory Level.

5 Water containing more than 20 mg/l of sodium should not be used for drinking by people on severely restricted sodium diets. Water containing more than 270 mg/l of sodium should not be used for drinking by people on moderately restricted sodium diets.

Compound	Unit Measurement	MCL	MCLG	Likely Source
Volatile Organic Compounds				
Chlorodifluoromethane	ug/l	5	n/a	Used as a refrigerant
Chloromethane	ug/l	5	5	Used as an extractant for greases, oils and resins, used in foam production, once used as a refrigerant
cis-1,2-Dichloroethene	ug/l	5	n/a	Discharge from industrial chemical factories
Dichlorodifluoromethane	ug/l	5	n/a	Used as a refrigerant, aerosol propellant, foaming agent
1,1 Dichloroethane	ug/l	5	n/a	Degreasing agent, coupling agent in anti-knock gasoline, used in vinyl chloride manufacturing, chlorinated solvent intermediate found in production wastewater
1,1-Dichloroethene	ug/l	5	n/a	Discharge from industrial chemical factories
1,2-Dichloroethane	ug/l	5	n/a	Discharge from industrial chemical factories
1,2-Dichloropropane	ug/l	5	0	Discharge from industrial chemical factories
Methyl-Tert-Butyl Ether (MTBE)	ug/l	10	n/a	Leaks from gasoline storage tanks. MTBE was an octane enhancer in unleaded gasoline
Tetrachloroethene	ug/l	5	0	Discharge from factories and dry cleaners, waste sites, spills
1,1,1 – Trichloroethane	ug/l	5	n/a	Discharge from metal degreasing sites and other factories
Trichloroethene	ug/l	5	0	Discharge from metal degreasing sites and other factories
Trichlorofluoromethane (Freon 11)	ug/l	5	n/a	Used as a solvent, dry cleaning agent, aerosol propellant and as a fire extinguishing agent
1,2,3 – Trichloropropane	ug/l	5	n/a	Used as a cleaning/degreasing agent, used in chemical manufacturing, as an industrial solvent, and as a paint and varnish remover
1,1,2-Trichlorotrifluoroethane	ug/l	5	n/a	Used as a refrigerant, solvent in paints and varnishes
Disinfectant and Disinfection By-Products				
Bromochloroacetic Acid	ug/l	n/a	n/a	By-product of drinking water chlorination used to control microbes
Bromodichloroacetic Acid	ug/l	n/a	n/a	By-product of drinking water chlorination used to control microbes
Bromodichloromethane	ug/l	**80	0	By-product of drinking water chlorination used to control microbes
Bromoform	ug/l	**80	0	By-product of drinking water chlorination used to control microbes
Chlorate	mg/l	n/a	n/a	Byproduct of drinking water disinfection
Chlorine residual, free	mg/l	4[6]	4[7]	Water additive used to control microbes
Chloroform	ug/l	**80	70	By-product of drinking water chlorination used to control microbes
Dibromochloromethane	ug/l	**80	60	By-product of drinking water chlorination used to control microbes
Haloacetic Acids total, (5)	ug/l	60	n/a	By-product of drinking water chlorination used to control microbes
N-Nitroso-dimethylamine (NDMA)	ug/l	50	n/a	By-product of drinking water chlorination used to control microbes
Trihalomethanes, total	ug/l	80	n/a	By-product of drinking water chlorination used to control microbes

** The MCL is the sum of the four starred compounds.

6 Value presented represents the Maximum Residual Disinfectant Level (MRDL) which is a level of disinfectant added for water treatment that may not be exceeded at the consumer's tap without an unacceptable possibility of adverse health effects. This MRDL became effective as an MCL on January 1, 2004.

7 Maximum Residual Disinfectant Level Goal (MRDLG). The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Understanding Your 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.

NA, n/a: Not Applicable.

ND: Not Detectable at testing limit.

WATER DISTRIBUTION AREA INDEX (TOWNS Amagansett - Kings Park)

HOW TO USE THIS INDEX

Look up the town or community in which you live in the first column labeled “TOWN”. To the right of your town under the second column labeled “DISTRIBUTION AREA”, you will find 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 look up this Distribution Area number in one of the tables located in the next six pages.

Many of the towns listed in this index are served by more than one Distribution Area. Please read carefully the street descriptions to find the Distribution Area closest to your home.

A map showing all of the Suffolk County Water Authority’s Distribution Areas in Suffolk County is located in the center of this document (see pages 8 and 9). If you know where your town or community is located on this map, you can find the Distribution Area number listed on the map. Also listed on the map are the number of wells which serve each Distribution Area.

TOWN	DISTRIBUTION AREA
Amagansett	**23**
Amityville, North Amityville	**1**
Atlantique, Fire Island	**53**
Babylon	**1**
Bay Shore, North Bay Shore, West Bay Shore	**1**
Bayport	**1**
Bellport, North Bellport, West Bellport South of Sunrise Hwy. (Factory outlet area and small area E. of C.R. 101 /Patchogue Yaphank Ave.) north of Sunrise Hwy but south of Harrison Ave. including all of outlet mall area.	**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 Ave.; Orville Dr. S. to, and including, Wilbur Pl.; Johnson Ave. S. to Keyland Ct., including 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 (see page 16)	**12**
Brentwood All other Southern or Western Brentwood areas	**1**
Bridgehampton, Scuttlehole S. of Pheasant Dr.; 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**
Bridgehampton, Sag Harbor W. of, but not on, Sag Harbor Tpke. S. of Scuttlehole Rd.; on, off of, or N. of Pheasant Rd.; 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 - On or N. of Frowein Rd.	**18**
Center Moriches - S. of Frowein Rd.	**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 Greenlawn 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**
East Farmingdale Water District (see page 16)	**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 Quoque, 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.	**18**
Fair Harbor Water District, Fire Island (see page 16)	**53**
Farmingville S. of Horse Block Rd., N. of, or on, Horse Block Rd., W. of Berkshire Ave.	**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 and Birch Creek County 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 Inverness 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**
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 streets, 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**

WATER DISTRIBUTION AREA INDEX (TOWNS Kings Park - Yaphank)

TOWN	DISTRIBUTION AREA
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
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 Cenacle of St. Regis 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	18
Mastic N. of Sunrise Hwy.	18
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 Southaven, then east along Southaven to Buffalo Ave. Includes all areas on or off of Buffalo Ave., S. to Woodside Ave.,then crossing Woodside, all areas N. and E. of Fish 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
Medford Areas S. of Southaven Ave., on or S. of Woodside Ave. but W. of Fish Thicket Rd. All areas not covered above.	1
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.	18
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 S. of Sunrise Hwy.	20
Moriches N. of Sunrise Hwy.	18
Mount Sinai	15
New Suffolk	30
Nesconset	12
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 area between Fort Salonga Rd. and Scudder Ave. below)	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.	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

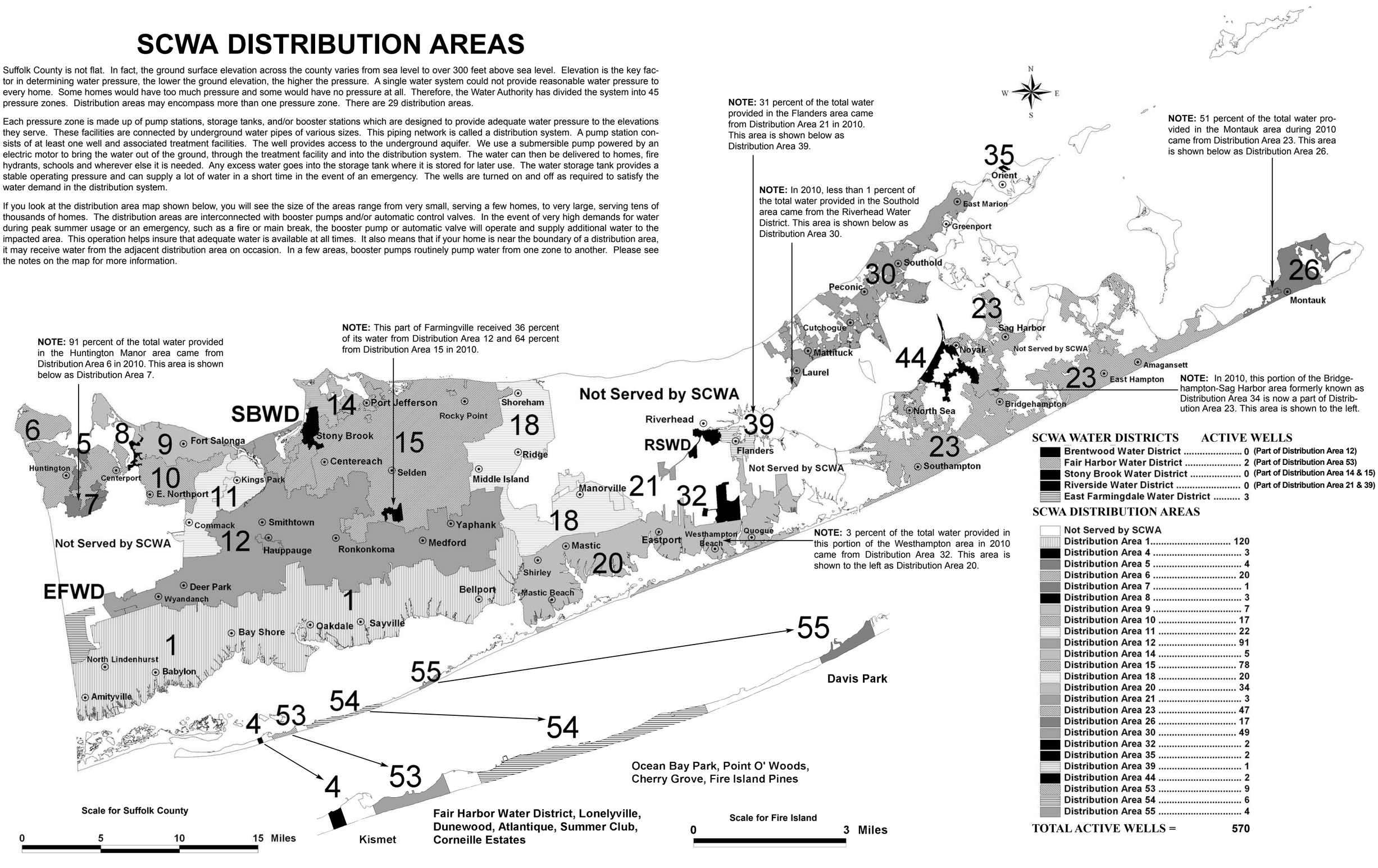
TOWN	DISTRIBUTION AREA
Pilgrim State Psychiatric Center	12
Point O' Woods, Fire Island	54
Port Jefferson W. of Belle Terre Rd., on any cross street, N.E. or N.W. of Port Jeff. H.S.	14
Port Jefferson, Belle Terre All other areas not covered above.	15
Port Jefferson Station, Terryville	15
Quogue	20
Remsenburg	20
Ridge, South Ridge	18
Riverside (Suffolk County Community College)	21
Riverside Water District (see page 16)	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
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	18
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.	18
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 All areas served by SCWA on, or off of Millstone Rd. north of Guyer Rd., continuing north to north side of old racetrack property. All areas along Middle Line Hwy to the east to Deerfield Rd., south on Deerfield to Roses Grove 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 (see page 16)	SBWD
Summer Club, Fire Island	53
The Pines, Fire Island	54
Wading River All areas served by SCWA.	18
Wainscott	23
Water Mill	23
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, Wheatly 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.	18
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 over 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 29 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 Distribution Area 12)
Fair Harbor Water District	2	(Part of Distribution Area 53)
Stony Brook Water District	0	(Part of Distribution Area 14 & 15)
Riverside Water District	0	(Part of Distribution Area 21 & 39)
East Farmingdale Water District	3	

SCWA DISTRIBUTION AREAS

Not Served by SCWA	
Distribution Area 1	120
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	17
Distribution Area 11	22
Distribution Area 12	91
Distribution Area 14	5
Distribution Area 15	78
Distribution Area 18	20
Distribution Area 20	34
Distribution Area 21	3
Distribution Area 23	47
Distribution Area 26	17
Distribution Area 30	49
Distribution Area 32	2
Distribution Area 35	2
Distribution Area 39	1
Distribution Area 44	2
Distribution Area 53	9
Distribution Area 54	6
Distribution Area 55	4

TOTAL ACTIVE WELLS = 570

2011 Annual Water Quality Statement - Distribution Area Data

Suffolk County Water Authority
2011 Annual Water Quality Statement
For Calender Year 2010

	Unit of Measurement	MCL	Distribution Area 1 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 4 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 5 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 6 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 7 Range of Readings Low Value	High Value	Avg. Value	No. of Tests
Radioactivity																						
Gross Alpha activity	pCi/l	15	ND	ND	ND	10	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	2	ND	ND	ND	1
Gross Beta activity (Pg 5, ftnote 1)	pCi/l	50	ND	ND	ND	9	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	2	ND	ND	ND	1
Radon (Pg 5, footnote 2)	pCi/l	4000	ND	ND	ND	10	ND	ND	ND	1	254	254	254	1	ND	201	ND	2	ND	ND	ND	1
Radium-228 (Pg 5, footnote 3)	pCi/l	5	NA	NA	NA	0	NA	NA	NA	0	NA	NA	NA	0	NA	NA	NA	0	NA	NA	NA	0
Inorganics																						
Alkalinity, total	mg/l	n/a	ND	92.8	33.9	276	23.0	45.6	37.5	11	28.4	79.0	44.8	13	ND	73.6	40.2	49	35.2	55.2	43.7	7
Aluminum	mg/l	n/a	ND	0.60	0.04	549	0.04	0.13	0.07	11	ND	0.15	0.04	15	ND	0.16	0.05	59	ND	0.07	0.05	15
Ammonia, free	mg/l	n/a	ND	0.13	ND	337	ND	ND	ND	9	ND	ND	ND	13	ND	ND	ND	48	ND	ND	ND	4
Antimony	ug/l	6	ND	ND	ND	549	ND	ND	ND	11	ND	ND	ND	15	ND	ND	ND	59	ND	ND	ND	15
Arsenic	ug/l	10	ND	1.2	ND	549	ND	ND	ND	11	ND	1.2	ND	15	ND	2.7	ND	59	ND	ND	ND	15
Barium	mg/l	2	ND	0.08	ND	549	ND	ND	ND	11	ND	0.17	0.06	15	ND	0.06	ND	59	ND	0.04	ND	15
Boron	mg/l	n/a	ND	0.15	ND	692	ND	0.13	ND	35	ND	ND	ND	15	ND	ND	ND	53	ND	ND	ND	7
Bromide	mg/l	n/a	ND	ND	ND	286	ND	ND	ND	11	ND	ND	ND	14	ND	ND	ND	51	ND	ND	ND	7
Cadmium	ug/l	5	ND	0.3	ND	549	ND	ND	ND	11	ND	ND	ND	15	ND	ND	ND	59	ND	ND	ND	15
Calcium	mg/l	n/a	0.6	48.8	13.2	692	ND	3.1	0.8	35	9.0	43.1	20.9	15	5.1	61.0	18.6	53	13.3	23.9	20.2	7
CO2, calculated	mg/l	n/a	ND	26.2	5.1	276	3.1	9.1	6.0	11	2.9	15.2	9.0	13	0.1	18.1	6.9	49	3.2	10.2	5.6	7
Chloride	mg/l	250	3.0	179.5	11.5	286	3.0	3.6	3.3	11	8.2	118.2	40.6	14	5.4	24.1	12.6	51	10.2	20.4	15.0	7
Chromium, total	ug/l	100	ND	ND	ND	549	ND	ND	ND	11	ND	2.9	ND	15	ND	8.6	ND	59	ND	7.2	ND	15
Cobalt-59	ug/l	n/a	ND	2.7	ND	549	ND	ND	ND	11	ND	ND	ND	15	ND	0.6	ND	59	ND	ND	ND	15
Color	Color units	15	ND	15	ND	276	ND	7	ND	11	ND	5	ND	13	ND	5	ND	49	ND	ND	ND	7
Copper	mg/l	AL=1.3	ND	0.38	0.04	549	ND	0.02	ND	11	ND	0.04	ND	15	ND	0.02	ND	59	ND	0.15	0.03	15
Dissolved solids, total	mg/l	n/a	23	354	66	279	40	73	58	11	61	306	125	13	34	161	93	51	74	140	112	7
Fluoride	mg/l	2.2	ND	ND	ND	286	ND	0.2	ND	11	ND	ND	ND	14	ND	ND	ND	51	ND	ND	ND	7
Hardness, total	mg/l	n/a	2.5	153.5	39.0	692	ND	8.5	2.1	35	36.1	154.5	78.7	15	17.3	179.7	61.4	53	45.3	84.6	68.9	7
Iron	ug/l	300	ND	864	228	692	179	417	238	35	ND	63	ND	15	ND	125	ND	53	ND	ND	ND	7
Lead	ug/l	AL=15	ND	3.1	ND	549	ND	ND	ND	11	ND	ND	ND	15	ND	1.6	ND	59	ND	1.3	ND	15
Lithium	ug/l	n/a	ND	7.0	1.6	549	3.6	4.2	3.8	11	ND	3.1	ND	15	ND	7.8	ND	59	ND	ND	ND	15
Magnesium	mg/l	n/a	0.23	13.69	1.47	692	ND	0.21	ND	35	3.28	11.83	6.41	15	1.11	7.58	3.65	53	2.95	6.04	4.47	7
Manganese	ug/l	300	ND	122	12	692	ND	ND	ND	35	ND	13	ND	15	ND	25	ND	53	ND	ND	ND	7
Molybdenum	ug/l	n/a	ND	ND	ND	549	ND	ND	ND	11	ND	1.4	ND	15	ND	1.4	ND	59	ND	ND	ND	15
Nickel	ug/l	100	ND	10.6	1.5	549	ND	0.5	ND	11	ND	2.3	0.9	15	ND	2.5	0.8	59	ND	1.1	0.8	15
Nitrate	mg/l	10	ND	7.81	0.56	286	ND	ND	ND	11	0.61	7.93	3.78	14	0.96	8.43	4.08	51	3.51	7.25	5.35	7
Perchlorate (Pg 5, footnote 4)	ug/l	15	ND	2.29	0.21	292	ND	ND	ND	8	ND	1.23	0.76	13	ND	6.32	1.95	117	0.11	1.80	0.78	4
Phosphate, total	mg/l	n/a	ND	2.50	0.81	692	0.19	3.59	0.62	35	ND	0.40	ND	15	ND	0.43	ND	53	ND	0.56	0.20	7
pH	pH units	n/a	6.5	8.5	7.2	276	6.9	7.4	7.1	11	6.7	7.7	7.0	13	6.5	8.9	7.2	49	7.0	7.4	7.2	7
pH, field	pH units	n/a	6.0	8.5	7.1	235	6.5	7.6	6.9	10	6.7	8.0	7.1	10	7.0	7.9	7.1	44	7.0	7.3	7.2	5
Potassium	mg/l	n/a	0.20	3.77	0.75	692	1.07	1.40	1.20	35	0.76	2.06	1.27	15	0.50	1.72	0.92	53	0.71	1.13	0.94	7
Silicon	mg/l	n/a	2.5	7.9	4.5	549	4.0	4.4	4.3	11	6.3	7.0	6.7	15	4.3	8.5	6.5	59	5.0	8.1	6.5	15
Sodium (Pg 5, footnote 5)	mg/l	n/a	2.5	67.1	7.6	692	12.9	27.4	20.9	35	6.6	51.4	22.1	15	4.7	12.7	8.6	53	7.9	12.0	10.1	7
Specific conductance	umho/cm	n/a	45	729	126	276	70	117	103	11	119	618	285	13	65	302	174	49	139	262	209	7
Strontium-88	mg/l	n/a	ND	0.17	0.03	549	ND	ND	ND	11	0.03	0.14	0.07	15	0.02	0.12	0.07	59	0.06	0.09	0.07	15
Sulfate	mg/l	250	ND	46.0	5.5	286	7.2	8.3	7.7	11	3.4	15.0	7.0	14	ND	26.7	6.7	51	ND	23.9	10.3	7
Temperature, field	°Centigrade	n/a	7	16	12	225	13	16	15	6	10	12	12	7	10	13	12	41	12	12	12	1
Tin	ug/l	n/a	ND	1.4	ND	549	ND	ND	ND	11	ND	ND	ND	15	ND	ND	ND	59	ND	ND	ND	15
Titanium	ug/l	n/a	ND	13.2	ND	692	ND	ND	ND	35	ND	ND	ND	15	ND	10.0	ND	53	ND	ND	ND	7
Total Organic Carbon (TOC)	mg/l	n/a	ND	2.88	0.34	280	ND	1.35	0.69	8	ND	0.91	0.25	10	ND	1.25	0.30	50	ND	0.27	ND	4
Turbidity	NT units	5	ND	2.4	ND	276	ND	0.65	ND	11	ND	1.2	ND	13	ND	0.82	ND	49	ND	0.48	ND	7
Vanadium	ug/l	n/a	ND	ND	ND	549	ND	ND	ND	11	ND	ND	ND	15	ND	ND	ND	59	ND	ND	ND	15
Zinc	mg/l	5	ND	0.14	ND	549	ND	0.07	0.02	11	ND	0.04	ND	15	ND	0.13	ND	59	ND	0.02	ND	15
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																						
Alachlor ESA	ug/l	50	ND	ND	ND	277	ND	ND	ND	8	ND	ND	ND	13	ND	ND	ND	74	ND	ND	ND	4
Aldicarb sulfone	ug/l	2	ND	ND	ND	279	ND	ND	ND	8	ND	ND	ND	13	ND	ND	ND	76	ND	ND	ND	4
Aldicarb sulfoxide	ug/l	4	ND	ND	ND	279	ND	ND	ND	8	ND	ND	ND	13	ND	ND	ND	76	ND	ND	ND	4
Carbamazepine	ug/l	n/a	ND	0.14	ND	66	ND	ND	ND	2	ND	ND	ND	6	ND	ND	ND	8	ND	ND	ND	2
Dilantin (Phenytoin)	ug/l	n/a	ND	0.18	ND	66	ND	ND	ND	2	ND	ND	ND	6	ND	ND	ND	8	ND	ND	ND	2
Diethyltoluamide (DEET)	ug/l	50	ND	ND	ND	256	ND	ND	ND	8	ND	ND	ND	7	ND	ND	ND	43	ND	ND	ND	4
1,4-Dioxane	ug/l	50	ND	3.6	ND	300	ND	ND	ND	8	ND	1.8	0.8	17	ND	2.4	0.7	97	0.4	2.6	1.7	8
Hexazinone	ug/l	50	ND	ND	ND	256	ND	ND	ND	8	ND	ND	ND	7	ND	ND	ND	43	ND	ND	ND	4
Metalaxyl	ug/l	50	ND	ND	ND	279	ND	ND	ND	8	ND	ND	ND	13	ND	ND	ND	46	ND	ND	ND	5
Metolachlor	ug/l	50	ND	ND	ND	279	ND	ND	ND	8	ND	ND	ND	13	ND	ND	ND	46	ND	ND	ND	5
Metolachlor ESA	ug/l	50	ND	ND	ND	277	ND	ND	ND	8	ND	ND	ND	13	ND	ND	ND	74	ND	ND	ND	4
Metolachlor OA	ug/l	50	ND	ND	ND	277	ND	ND	ND	8	ND	ND	ND	13	ND	ND	ND	74	ND	ND	ND	4
Tetrachloroterephthalic Acid(TCPA)	ug/l	50	ND	ND	ND	285	ND	ND	ND	8	ND	ND	ND	23	ND	9.4	2.3	68	ND	ND	ND	4
Volatile Organic Compounds																						
Chlorodifluoromethane	ug/l	5	ND	ND	ND	645	ND	ND	ND	18	ND	ND	ND	58	ND	ND	ND	206	ND	ND	ND	20
Chloromethane	ug/l	5	ND	ND	ND	645	ND	ND	ND	18	ND	ND	ND	58	ND	ND	ND	206	ND	ND	ND	20
Cis-1,2-Dichloroethene	ug/l	5	ND	ND	ND	645	ND	ND	ND	18	ND	ND	ND	58	ND	0.7	ND	206	ND	ND	ND	20
Dichlorodifluoromethane	ug/l	5	ND	ND	ND	645	ND	ND	ND	18	ND	ND	ND	58	ND	ND	ND	206	ND	ND	ND	20
1,1-Dichloroethane	ug/l	5	ND	2.3	ND	645	ND	ND	ND	18	ND	2.5	ND	58	ND	4.0	0.7	206	ND	1.0	ND	20
1,1-Dichloroethene	ug/l	5	ND	ND	ND	645	ND	ND	ND	18	ND	ND	ND	58	ND	0.6	ND	206	ND	ND	ND	20
1,2-Dichloroethane	ug/l	5	ND	ND	ND	645	ND	ND	ND	18	ND	ND	ND	58	ND	1.9	ND	206	ND	ND	ND	20
1,2-Dichloropropane	ug/l	5	ND	ND	ND	645	ND	ND	ND	18	ND	ND	ND	58	ND	ND	ND	206	ND	ND	ND	20
Methyl-Tert-Butyl Ether (MTBE)	ug/l	10	ND	1.0	ND	645	ND	ND	ND	18	ND	0.6	ND	58	ND	ND	ND	206	ND	0.9	ND	20
Tetrachloroethene	ug/l	5	ND	0.7	ND	645	ND	ND	ND	18	ND	0.7	ND	58	ND	ND	ND	206	ND	ND	ND	20
1,1,1-Trichloroethane	ug/l	5	ND	2.5	ND	645	ND	ND	ND	18	ND	ND	ND	58	ND	1.4	ND	206	ND	ND	ND	20
Trichloroethene	ug/l	5	ND	ND	ND	645	ND	ND	ND	18	ND	ND	ND	58	ND	2.2	ND	206	ND	ND	ND	20
Trichlorofluoromethane	ug/l	5	ND	ND	ND	645	ND	ND	ND	18	ND	ND	ND	58	ND	ND	ND	206	ND	ND	ND	20
1,2,3-Trichloropropane	ug/l	5	ND	ND	ND	645	ND	ND	ND	18	ND	ND	ND	58	ND	ND	ND	206	ND	ND	ND	20
1,1,2-Trichlorotrifluoroethane	ug/l	5	ND	ND	ND	645	ND	ND	ND	18	ND	ND	ND	58	ND	3.4	ND	206	ND	ND	ND	20
Disinfectant and Disinfection By-Products (**MCL is the sum of the four starred compounds shown below)																						
Bromochloroacetic Acid	ug/l	n/a	ND	1.1	ND	22	ND	ND	ND	4	ND	ND	ND	6	ND	2.7	1.2	5	ND	ND	ND	5
Bromodichloroacetic Acid	ug/l	n/a	ND	ND	ND	22	ND	ND	ND	4	ND	ND	ND	6	ND	ND	ND	5	ND	ND	ND	5
Bromodichloromethane	ug/l	**80	ND	2.0	ND	617	ND	ND	ND	12	ND	ND	ND	52	ND	3.5	ND	198	ND	ND	ND	14
Bromoform	ug/l	**80	ND	1.5	ND	617	ND	ND	ND	12	ND	ND	ND	52	ND	3.5	ND	198	ND	ND	ND	14
Chlorate	mg/l	n/a	ND	0.52	ND	286	ND	0.60	0.24	11	ND	0.17	ND	14	ND	ND	ND	51	ND	ND	ND	7
Chlorine residual (Pg 5, ftnote 6)	mg/l	4	0.1	1.8	0.9	3003	0.2	1.7	0.8	47	0.1	1.2	0.8	114	0.2	1.9	0.8	670	0.2	1.4	0.9	154
Chloroform	ug/l	**80	ND	3.7	ND	617	ND	ND	ND	12	ND	ND	ND	52	ND	1.8	ND	198	ND	ND	ND	14
Dibromochloromethane	ug/l	**80	ND	2.9	ND	617	ND	ND	ND	12	ND	ND	ND	52	ND	6.9	ND	198	ND	ND	ND	14
Haloacetic Acids, total (5)	ug/l	60	ND	2.8	ND	22	2.3	5.2	3.3	4	ND	0.7	ND	6	ND	7.9	3.7	5	ND	ND	ND	5
N-Nitroso-dimethylamine (NDMA)	ug/l	50	ND	ND	ND	107	ND	ND	ND	7	ND	ND	ND	6	ND	ND	ND	20	ND	ND	ND	2
Trihalomethanes, total	ug/l	80	ND	9.8	1.8	28	0.7	4.3	3.1	6	ND	1.1	ND	6	ND	13.7	6.4	8	ND	0.6	ND	6

2011 Annual Water Quality Statement - Distribution Area Data

Suffolk County Water Authority
2011 Annual Water Quality Statement
For Calender Year 2010

	Unit of Measurement	MCL	Distribution Area 8 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 9 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 10 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 11 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 12 Range of Readings Low Value	High Value	Avg. Value	No. of Tests
Radioactivity																						
Gross Alpha activity	pCi/l	15	ND	ND	ND	1	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	5	ND	ND	ND	12
Gross Beta activity (Pg 5, ftnote 1)	pCi/l	50	ND	ND	ND	1	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	5	ND	6.6	ND	12
Radon (Pg 5, footnote 2)	pCi/l	4000	ND	ND	ND	1	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	3	ND	296	ND	12
Radium-228 (Pg 5, footnote 3)	pCi/l	5	NA	NA	NA	0	1.5	1.5	1.5	1	1.3	2.3	1.8	2	ND	ND	ND	2	NA	NA	NA	0
Inorganics																						
Alkalinity, total	mg/l	n/a	21.8	29.0	25.7	11	31.0	78.4	49.1	22	22.8	52.4	37.0	38	ND	88.6	40.5	57	ND	129.8	51.9	224
Aluminum	mg/l	n/a	ND	0.04	0.03	11	0.02	0.12	0.05	35	ND	0.14	0.04	49	ND	0.17	0.05	58	ND	0.22	0.05	364
Ammonia, free	mg/l	n/a	ND	ND	ND	8	ND	ND	ND	18	ND	ND	ND	35	ND	ND	ND	55	ND	0.19	ND	267
Antimony	ug/l	6	ND	ND	ND	11	ND	ND	ND	35	ND	ND	ND	49	ND	ND	ND	58	ND	ND	ND	364
Arsenic	ug/l	10	ND	ND	ND	11	ND	ND	ND	35	ND	ND	ND	49	ND	ND	ND	58	ND	2.1	ND	364
Barium	mg/l	2	ND	ND	ND	11	ND	0.02	ND	35	ND	0.04	ND	49	ND	0.04	ND	58	ND	0.06	ND	364
Boron	mg/l	n/a	ND	ND	ND	11	ND	ND	ND	21	ND	ND	ND	37	ND	ND	ND	102	ND	0.19	ND	536
Bromide	mg/l	n/a	ND	ND	ND	38	ND	ND	ND	21	ND	ND	ND	99	ND	ND	ND	58	ND	ND	ND	231
Cadmium	ug/l	5	ND	ND	ND	11	ND	ND	ND	35	ND	ND	ND	49	ND	ND	ND	58	ND	0.2	ND	364
Calcium	mg/l	n/a	8.4	12.6	9.8	11	14.5	32.2	23.0	21	11.0	32.6	20.0	37	5.7	38.3	16.1	102	3.5	81.6	22.7	536
CO2, calculated	mg/l	n/a	1.0	9.1	3.7	11	1.3	17.7	5.7	22	0.6	9.4	4.6	38	0.1	37.9	7.1	57	0.6	35.9	7.8	224
Chloride	mg/l	250	4.9	11.8	7.1	38	11.8	28.9	17.9	21	8.1	44.9	18.6	99	5.8	36.7	16.4	58	3.5	82.6	23.7	231
Chromium, total	ug/l	100	ND	ND	ND	11	ND	8.6	2.7	35	ND	4.0	ND	49	ND	4.9	ND	58	ND	2.1	ND	364
Cobalt-59	ug/l	n/a	ND	ND	ND	11	ND	0.8	ND	35	ND	0.9	ND	49	ND	1.3	ND	58	ND	3.0	ND	364
Color	Color units	15	ND	ND	ND	11	ND	ND	ND	22	ND	5	ND	38	ND	5	ND	57	ND	14	ND	224
Copper	mg/l	AL=1.3	ND	0.02	ND	11	ND	0.03	ND	35	ND	0.04	ND	49	ND	0.07	ND	58	ND	0.30	ND	364
Dissolved solids, total	mg/l	n/a	39	66	49	11	78	201	132	21	62	195	110	38	32	181	90	58	22	282	117	226
Fluoride	mg/l	2.2	ND	ND	ND	38	ND	ND	ND	21	ND	ND	ND	99	ND	ND	ND	58	ND	ND	ND	231
Hardness, total	mg/l	n/a	23.5	39.4	28.7	11	44.5	117.1	79.1	21	34.7	112.3	66.5	37	17.0	112.6	51.2	102	11.4	234.2	73.0	536
Iron	ug/l	300	ND	48	ND	11	ND	76	ND	21	ND	77	ND	37	ND	129	ND	102	ND	1412	138	536
Lead	ug/l	AL=15	ND	ND	ND	11	ND	1.2	ND	35	ND	1.7	ND	49	ND	1.9	ND	58	ND	2.7	ND	364
Lithium	ug/l	n/a	ND	ND	ND	11	ND	2.5	ND	35	ND	1.1	ND	49	ND	1.0	ND	58	ND	4.2	ND	364
Magnesium	mg/l	n/a	0.62	1.92	0.99	11	1.98	9.02	5.25	21	1.48	7.51	4.02	37	0.68	6.12	2.65	102	0.25	19.69	3.98	536
Manganese	ug/l	300	ND	ND	ND	11	ND	ND	ND	21	ND	17	ND	37	ND	31	10	102	ND	144	26	536
Molybdenum	ug/l	n/a	ND	ND	ND	11	ND	ND	ND	35	ND	ND	ND	49	ND	ND	ND	58	ND	1.1	ND	364
Nickel	ug/l	100	0.5	3.9	1.1	11	0.5	1.5	1.0	35	ND	3.4	1.1	49	ND	3.9	1.4	58	ND	4.0	0.8	364
Nitrate	mg/l	10	0.70	2.71	1.41	38	4.01	8.58	5.94	21	0.77	8.79	6.04	99	ND	7.18	3.18	58	ND	8.53	2.55	231
Perchlorate (Pg 5, footnote 4)	ug/l	15	1.11	1.93	1.66	8	ND	2.98	1.49	33	ND	3.52	1.72	119	ND	1.66	0.62	52	ND	3.29	0.58	243
Phosphate, total	mg/l	n/a	ND	0.23	ND	11	ND	0.27	ND	21	ND	0.22	ND	37	ND	0.46	ND	102	ND	3.21	0.70	536
pH	pH units	n/a	6.7	8.7	7.3	37	6.8	7.8	7.3	22	6.4	8.3	7.2	60	6.5	9.0	7.2	57	6.4	8.3	7.2	224
pH, field	pH units	n/a	6.7	7.7	7.3	9	6.9	7.5	7.2	16	6.9	7.5	7.1	28	6.5	8.5	7.2	46	6.5	8.0	7.1	189
Potassium	mg/l	n/a	0.45	0.83	0.57	11	0.64	1.73	1.07	21	0.70	1.42	1.02	37	0.39	1.71	0.93	102	0.25	3.12	1.16	536
Silicon	mg/l	n/a	3.4	3.8	3.6	11	4.1	9.2	6.6	35	3.4	7.6	5.4	49	3.2	6.8	4.7	58	3.2	10.0	6.4	364
Sodium (Pg 5, footnote 5)	mg/l	n/a	4.3	6.9	5.1	11	8.5	18.1	12.6	21	6.5	15.2	10.1	37	4.4	21.9	10.7	102	3.2	55.0	16.2	536
Specific conductance	umho/cm	n/a	75	124	93	11	145	331	242	22	116	321	203	38	62	345	172	57	42	515	226	224
Strontium-88	mg/l	n/a	0.02	0.04	0.02	11	0.05	0.13	0.09	35	0.03	0.15	0.06	49	0.01	0.10	0.05	58	ND	0.19	0.06	364
Sulfate	mg/l	250	ND	3.9	ND	38	ND	30.4	13.8	21	ND	34.8	6.9	99	ND	15.5	3.4	58	ND	29.0	8.8	231
Temperature, field	°Centigrade	n/a	11	13	12	5	10	12	12	12	11	13	11	24	9	14	12	41	5	15	12	182
Tin	ug/l	n/a	ND	ND	ND	11	ND	ND	ND	35	ND	ND	ND	49	ND	0.6	ND	58	ND	0.5	ND	364
Titanium	ug/l	n/a	ND	ND	ND	11	ND	ND	ND	21	ND	ND	ND	37	ND	5.9	ND	102	ND	9.8	ND	536
Total Organic Carbon (TOC)	mg/l	n/a	ND	0.53	0.36	8	ND	0.40	ND	20	ND	1.21	0.27	35	ND	1.73	0.35	64	ND	2.36	0.39	234
Turbidity	NT units	5	ND	0.49	ND	11	ND	0.50	ND	22	ND	1.9	ND	38	ND	1.1	ND	57	ND	2.4	0.44	224
Vanadium	ug/l	n/a	ND	ND	ND	11	ND	1.2	ND	35	ND	1.1	ND	49	ND	ND	ND	58	ND	4.9	ND	364
Zinc	mg/l	5	ND	ND	ND	11	ND	0.06	ND	35	ND	0.10	ND	49	ND	0.04	ND	58	ND	0.19	ND	364
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																						
Alachlor ESA	ug/l	50	ND	ND	ND	9	ND	ND	ND	18	ND	ND	ND	35	ND	ND	ND	57	ND	ND	ND	220
Aldicarb sulfone	ug/l	2	ND	ND	ND	8	ND	ND	ND	18	ND	ND	ND	35	ND	ND	ND	52	ND	ND	ND	219
Aldicarb sulfoxide	ug/l	4	ND	ND	ND	8	ND	ND	ND	18	ND	ND	ND	35	ND	ND	ND	52	ND	ND	ND	219
Carbamazepine	ug/l	n/a	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	4	ND	ND	ND	6	ND	0.12	ND	77
Dilantin (Phenytoin)	ug/l	n/a	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	4	ND	ND	ND	6	ND	0.20	ND	77
Diethyltoluamide (DEET)	ug/l	50	ND	ND	ND	8	ND	ND	ND	15	ND	ND	ND	35	ND	ND	ND	53	ND	ND	ND	213
1,4-Dioxane	ug/l	50	ND	ND	ND	8	ND	1.4	0.9	38	ND	1.3	0.6	72	ND	1.8	0.5	89	ND	6.1	0.3	269
Hexazinone	ug/l	50	ND	ND	ND	8	ND	ND	ND	15	ND	ND	ND	35	ND	ND	ND	53	ND	ND	ND	213
Metalaxyl	ug/l	50	ND	ND	ND	9	ND	ND	ND	18	ND	ND	ND	36	ND	ND	ND	57	ND	ND	ND	218
Metolachlor	ug/l	50	ND	ND	ND	9	ND	ND	ND	18	ND	ND	ND	36	ND	ND	ND	57	ND	ND	ND	218
Metolachlor ESA	ug/l	50	ND	ND	ND	9	ND	ND	ND	18	ND	ND	ND	35	ND	ND	ND	57	ND	ND	ND	220
Metolachlor OA	ug/l	50	ND	ND	ND	9	ND	ND	ND	18	ND	ND	ND	35	ND	ND	ND	57	ND	ND	ND	220
Tetrachloroterephthalic Acid(TCPA)	ug/l	50	ND	ND	ND	9	ND	ND	ND	32	ND	2.0	ND	64	ND	2.4	ND	100	ND	4.2	ND	299
Volatile Organic Compounds																						
Chlorodifluoromethane	ug/l	5	ND	ND	ND	19	ND	ND	ND	71	ND	ND	ND	144	ND	ND	ND	226	ND	0.6	ND	663
Chloromethane	ug/l	5	ND	ND	ND	19	ND	ND	ND	71	ND	ND	ND	144	ND	2.0	ND	226	ND	ND	ND	663
Cis-1,2-Dichloroethene	ug/l	5	ND	ND	ND	19	ND	ND	ND	71	ND	ND	ND	144	ND	1.0	ND	226	ND	0.8	ND	663
Dichlorodifluoromethane	ug/l	5	ND	ND	ND	19	ND	ND	ND	71	ND	ND	ND	144	ND	ND	ND	226	ND	2.0	ND	663
1,1-Dichloroethane	ug/l	5	ND	ND	ND	19	ND	2.6	0.8	71	ND	2.7	0.9	144	ND	3.0	0.5	226	ND	2.5	ND	663
1,1-Dichloroethene	ug/l	5	ND	ND	ND	19	ND	0.6	ND	71	ND	0.8	ND	144	ND	0.7	ND	226	ND	1.2	ND	663
1,2-Dichloroethane	ug/l	5	ND	ND	ND	19	ND	ND	ND	71	ND	ND	ND	144	ND	ND	ND	226	ND	ND	ND	663
1,2-Dichloropropane	ug/l	5	ND	ND	ND	19	ND	ND	ND	71	ND	0.5	ND	144	ND	ND	ND	226	ND	ND	ND	663
Methyl-Tert-Butyl Ether (MTBE)	ug/l	10	ND	ND	ND	19	ND	2.2	ND	71	ND	6.7	ND	144	ND	1.0	ND	226	ND	2.9	ND	663
Tetrachloroethene	ug/l	5	ND	ND	ND	19	ND	0.5	ND	71	ND	1.8	ND	144	ND	2.3	ND	226	ND	1.3	ND	663
1,1,1-Trichloroethane	ug/l	5	ND	ND	ND	19	ND	1.2	ND	71	ND	1.2	ND	144	ND	1.2	ND	226	ND	2.5	ND	663
Trichloroethene	ug/l	5	ND	ND	ND	19	ND	2.2	ND	71	ND	1.9	ND	144	ND	0.8	ND	226	ND	0.9	ND	663
Trichlorofluoromethane	ug/l	5	ND	ND	ND	19	ND	ND	ND	71	ND	ND	ND	144	ND	3.5	ND	226	ND	ND	ND	663
1,2,3-Trichloropropane	ug/l	5	ND	ND	ND	19	ND	ND	ND	71	ND	ND	ND	144	ND	ND	ND	226	ND	ND	ND	663
1,1,2-Trichlorotrifluoroethane	ug/l	5	ND	ND	ND	19	ND	ND	ND	71	ND	ND	ND	144	ND	0.9	ND	226	ND	1.0	ND	663
Disinfectant and Disinfection By-Products (**MCL is the sum of the four starred compounds shown below)																						
Bromochloroacetic Acid	ug/l	n/a	ND	ND	ND	5	ND	ND	ND	5	ND	1.0	ND	6	ND	1.0	ND	7	ND	1.3	ND	17
Bromodichloroacetic Acid	ug/l	n/a	ND	ND	ND	5	ND	ND	ND	5	ND	ND	ND	6	ND	ND	ND	7	ND	ND	ND	17
Bromodichloromethane	ug/l	**80	ND	ND	ND	13	ND	ND	ND	63	ND	ND	ND	136	ND	1.1	ND	216	ND	1.2	ND	635
Bromoform	ug/l	**80	ND	ND	ND	13	ND	ND	ND	63	ND	ND	ND	136	ND	0.6	ND	216	ND	1.0	ND	635
Chlorate	mg/l	n/a	ND	ND	ND	38	ND	ND	ND	21	ND	ND	ND	99	ND	0.19	ND	58	ND	1.75	ND	231
Chlorine residual (Pg 5, ftnote 6)	mg/l	4	0.3	1.2	0.9	66	0.2	1.6	0.9	223	0.2	1.7	0.8	645	0.2	1.9	0.9	488	0.2	1.9	0.9	2535
Chloroform	ug/l	**80	ND	ND	ND	13	ND	0.5	ND	63	ND	0.6	ND	136	ND	1.5	ND	216	ND	8.1	ND	635
Dibromochloromethane	ug/l	**80	ND	ND	ND	13	ND	ND	ND	63	ND	0.6	ND	136	ND	1.0	ND	216	ND	1.2	ND	635
Haloacetic Acids, total (5)	ug/l	60	ND	1.5	ND	5	ND	1.8	0.9	5	ND	3.3	0.8	6	ND	2.2	0.7	7	ND	2.4	ND	17
N-Nitroso-dimethylamine (NDMA)	ug/l	50	ND	ND	ND	4	ND	ND	ND	7	ND	ND	ND	14	ND	ND	ND	26	ND	0.004	0.001	101
Trihalomethanes, total	ug/l	80	ND	3.6	1.5	6	ND	6.4	1.8	8	ND	6.5	2.0	8	ND	11.8	3.1	10	ND	5.5	1.3	28

2011 Annual Water Quality Statement - Distribution Area Data

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	Unit of Measurement	MCL	Distribution Area 14 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 15 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 18 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 20 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 21 Range of Readings Low Value	High Value	Avg. Value	No. of Tests
Radioactivity																						
Gross Alpha activity	pCi/l	15	ND	ND	ND	2	ND	ND	ND	8	ND	2.49	ND	56	ND	2.11	ND	64	ND	ND	ND	4
Gross Beta activity (Pg 5, ftnote 1)	pCi/l	50	ND	ND	ND	2	ND	ND	ND	8	ND	ND	ND	56	ND	ND	ND	64	ND	ND	ND	4
Radon (Pg 5, footnote 2)	pCi/l	4000	ND	ND	ND	2	ND	ND	ND	6	ND	ND	ND	4	ND	ND	ND	6	ND	ND	ND	1
Radium-228 (Pg 5, footnote 3)	pCi/l	5	NA	NA	NA	0	NA	NA	NA	0	ND	ND	ND	2	NA	NA	NA	0	NA	NA	NA	0
Inorganics																						
Alkalinity, total	mg/l	n/a	ND	37.6	21.4	17	ND	104.8	43.5	183	22.8	90.8	42.7	51	ND	96.2	36.1	85	21.0	35.0	29.3	12
Aluminum	mg/l	n/a	ND	0.05	0.02	16	ND	0.21	0.04	204	ND	0.33	0.05	124	ND	0.10	0.03	168	ND	0.10	0.03	12
Ammonia, free	mg/l	n/a	ND	ND	ND	14	ND	0.08	ND	187	ND	ND	ND	60	ND	ND	ND	98	ND	ND	ND	10
Antimony	ug/l	6	ND	ND	ND	16	ND	ND	ND	204	ND	0.56	ND	124	ND	ND	ND	168	ND	ND	ND	12
Arsenic	ug/l	10	ND	ND	ND	16	ND	1.0	ND	204	ND	3.9	1.3	124	ND	1.9	ND	168	ND	ND	ND	12
Barium	mg/l	2	ND	ND	ND	16	ND	0.08	0.02	204	ND	0.05	ND	124	ND	0.04	ND	168	ND	ND	ND	12
Boron	mg/l	n/a	ND	ND	ND	17	ND	ND	ND	279	ND	ND	ND	54	ND	0.62	ND	227	ND	ND	ND	12
Bromide	mg/l	n/a	ND	ND	ND	17	ND	ND	ND	211	ND	ND	ND	51	ND	ND	ND	84	ND	ND	ND	12
Cadmium	ug/l	5	ND	ND	ND	16	ND	0.5	ND	204	ND	ND	ND	124	ND	ND	ND	168	ND	ND	ND	12
Calcium	mg/l	n/a	4.0	13.6	7.5	17	3.6	46.9	20.7	279	8.6	35.6	17.0	54	0.6	24.7	12.5	227	6.6	11.9	9.2	12
CO2, calculated	mg/l	n/a	0.7	10.7	5.3	17	0.1	31.1	6.9	183	0.3	14.9	5.6	51	0.1	12.8	4.7	85	0.1	7.7	4.6	12
Chloride	mg/l	250	4.1	9.2	5.3	17	3.5	158.7	21.4	211	5.3	40.9	13.6	51	5.2	43.3	11.4	84	6.3	9.4	7.5	12
Chromium, total	ug/l	100	ND	ND	ND	16	ND	3.2	ND	204	ND	ND	ND	124	ND	ND	ND	168	ND	ND	ND	12
Cobalt-59	ug/l	n/a	ND	ND	ND	16	ND	1.9	ND	204	ND	7.6	0.9	124	ND	ND	ND	168	ND	ND	ND	12
Color	Color units	15	ND	ND	ND	17	ND	10	ND	183	ND	20	ND	51	ND	7	ND	85	ND	ND	ND	12
Copper	mg/l	AL=1.3	ND	0.13	0.02	16	ND	0.20	ND	204	ND	0.06	ND	124	ND	0.28	0.03	168	ND	ND	ND	12
Dissolved solids, total	mg/l	n/a	16	71	37	17	8	374	110	184	46	190	92	51	32	166	72	85	41	57	50	12
Fluoride	mg/l	2.2	ND	ND	ND	17	ND	ND	ND	211	ND	ND	ND	51	ND	0.5	ND	84	ND	ND	ND	12
Hardness, total	mg/l	n/a	12.4	45.0	23.1	17	12.9	140.3	71.0	279	28.8	124.1	57.3	54	3.1	73.7	39.3	227	23.7	40.5	32.1	12
Iron	ug/l	300	ND	51	ND	17	ND	1578	43	279	ND	972	62	54	ND	746	220	227	ND	ND	ND	12
Lead	ug/l	AL=15	ND	ND	ND	16	ND	2.0	ND	204	ND	1.1	ND	124	ND	1.6	ND	168	ND	ND	ND	12
Lithium	ug/l	n/a	ND	ND	ND	16	ND	2.6	ND	204	ND	2.7	ND	124	ND	7.5	3.3	168	ND	1.6	ND	12
Magnesium	mg/l	n/a	0.63	2.67	1.07	17	0.75	10.75	4.67	279	1.36	8.55	3.59	54	0.39	4.32	1.95	227	1.57	2.61	2.22	12
Manganese	ug/l	300	ND	ND	ND	17	ND	162	27	279	ND	74	11	54	ND	210	21	227	ND	ND	ND	12
Molybdenum	ug/l	n/a	ND	ND	ND	16	ND	1.2	ND	204	ND	ND	ND	124	ND	ND	ND	168	ND	ND	ND	12
Nickel	ug/l	100	ND	ND	ND	16	ND	4.4	0.6	204	ND	7.6	1.2	124	ND	2.3	ND	168	ND	0.6	ND	12
Nitrate	mg/l	10	ND	1.99	0.50	17	ND	8.65	3.29	211	ND	7.78	1.31	51	ND	4.24	0.51	84	ND	ND	ND	12
Perchlorate (Pg 5, footnote 4)	ug/l	15	ND	1.39	0.30	14	ND	4.25	1.04	219	ND	1.05	0.21	55	ND	4.78	0.99	178	ND	0.10	ND	10
Phosphate, total	mg/l	n/a	ND	0.56	ND	17	ND	3.31	0.39	279	ND	1.58	0.16	54	ND	2.52	0.91	227	ND	0.31	0.15	12
pH	pH units	n/a	6.6	7.5	7.0	17	6.5	8.8	7.2	183	6.5	8.3	7.2	51	6.2	8.7	7.3	83	6.8	8.7	7.2	12
pH, field	pH units	n/a	6.5	7.5	7.0	14	6.5	8.0	7.1	152	6.5	8.0	7.3	39	7.0	8.3	7.3	60	7.0	8.4	7.4	10
Potassium	mg/l	n/a	0.33	0.74	0.45	17	0.39	2.77	1.30	279	0.38	2.86	0.90	54	0.33	4.83	0.89	227	0.48	0.63	0.55	12
Silicon	mg/l	n/a	3.8	6.4	4.9	16	4.6	10.7	6.9	204	4.4	14.3	8.0	124	3.3	7.8	5.6	168	5.2	8.1	6.9	12
Sodium (Pg 5, footnote 5)	mg/l	n/a	3.8	7.5	4.7	17	3.7	76.0	14.8	279	4.8	24.0	9.0	54	4.3	52.9	7.8	227	5.1	6.3	5.6	12
Specific conductance	umho/cm	n/a	50	132	75	17	51	715	205	183	90	346	174	51	63	284	136	85	82	120	101	12
Strontium-88	mg/l	n/a	ND	0.04	0.01	16	ND	0.19	0.06	204	0.03	0.12	0.06	124	ND	0.07	0.04	168	0.02	0.04	0.03	12
Sulfate	mg/l	250	ND	4.9	ND	17	ND	30.2	10.4	211	3.8	33.6	12.9	51	ND	28.8	8.0	84	5.4	6.6	6.1	12
Temperature, field	°Centigrade	n/a	11	12	11	9	7	15	12	140	10	16	11	33	10	17	13	58	12	15	14	6
Tin	ug/l	n/a	ND	ND	ND	16	ND	ND	ND	204	ND	ND	ND	124	ND	ND	ND	168	ND	ND	ND	12
Titanium	ug/l	n/a	ND	ND	ND	17	ND	8.1	ND	279	ND	7.7	ND	54	ND	6.1	ND	227	ND	ND	ND	12
Total Organic Carbon (TOC)	mg/l	n/a	ND	0.96	0.36	14	ND	2.51	0.37	189	ND	0.81	0.31	49	ND	2.17	0.42	82	ND	1.02	0.37	9
Turbidity	NT units	5	ND	ND	ND	17	ND	2.1	ND	183	ND	5.4	0.50	51	ND	1.3	ND	85	ND	0.42	ND	12
Vanadium	ug/l	n/a	ND	ND	ND	16	ND	7.2	ND	204	ND	4.6	1.1	124	ND	ND	ND	168	ND	1.1	ND	12
Zinc	mg/l	5	ND	0.07	ND	16	ND	0.11	ND	204	ND	0.04	ND	124	ND	0.12	ND	168	ND	0.21	0.03	12
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																						
Alachlor ESA	ug/l	50	ND	ND	ND	14	ND	0.29	ND	189	ND	ND	ND	68	ND	ND	ND	101	ND	ND	ND	10
Aldicarb sulfone	ug/l	2	ND	ND	ND	14	ND	ND	ND	177	ND	ND	ND	55	ND	ND	ND	126	ND	ND	ND	10
Aldicarb sulfoxide	ug/l	4	ND	ND	ND	14	ND	ND	ND	177	ND	ND	ND	55	ND	ND	ND	126	ND	ND	ND	10
Carbamazepine	ug/l	n/a	ND	ND	ND	4	ND	0.22	0.07	49	ND	ND	ND	11	ND	ND	ND	13	ND	ND	ND	2
Dilantin (Phenytoin)	ug/l	n/a	ND	ND	ND	4	ND	ND	ND	49	ND	ND	ND	11	ND	ND	ND	13	ND	ND	ND	2
Diethyltoluamide (DEET)	ug/l	50	ND	ND	ND	15	ND	ND	ND	169	ND	ND	ND	49	ND	ND	ND	80	ND	ND	ND	9
1,4-Dioxane	ug/l	50	ND	ND	ND	14	ND	1.1	0.3	225	ND	ND	ND	52	ND	ND	ND	87	ND	ND	ND	10
Hexazinone	ug/l	50	ND	ND	ND	15	ND	0.46	ND	169	ND	ND	ND	49	ND	ND	ND	80	ND	ND	ND	9
Metalaxyl	ug/l	50	ND	ND	ND	15	ND	ND	ND	174	ND	ND	ND	57	ND	ND	ND	88	ND	ND	ND	10
Metolachlor	ug/l	50	ND	ND	ND	15	ND	0.2	ND	174	ND	ND	ND	57	ND	ND	ND	88	ND	ND	ND	10
Metolachlor ESA	ug/l	50	ND	ND	ND	14	ND	0.45	ND	189	ND	0.22	ND	68	ND	ND	ND	101	ND	ND	ND	10
Metolachlor OA	ug/l	50	ND	ND	ND	14	ND	ND	ND	189	ND	ND	ND	68	ND	ND	ND	101	ND	ND	ND	10
Tetrachloroterephthalic Acid(TCPA)	ug/l	50	ND	ND	ND	14	ND	3.8	ND	215	ND	10.0	1.3	79	ND	ND	ND	103	ND	ND	ND	10
Volatile Organic Compounds																						
Chlorodifluoromethane	ug/l	5	ND	ND	ND	30	ND	ND	ND	474	ND	ND	ND	111	ND	ND	ND	163	ND	ND	ND	18
Chloromethane	ug/l	5	ND	ND	ND	30	ND	ND	ND	474	ND	ND	ND	111	ND	ND	ND	163	ND	ND	ND	18
Cis-1,2-Dichloroethene	ug/l	5	ND	ND	ND	30	ND	0.9	ND	474	ND	ND	ND	111	ND	ND	ND	163	ND	ND	ND	18
Dichlorodifluoromethane	ug/l	5	ND	ND	ND	30	ND	0.9	ND	474	ND	ND	ND	111	ND	ND	ND	163	ND	ND	ND	18
1,1-Dichloroethane	ug/l	5	ND	ND	ND	30	ND	2.1	ND	474	ND	ND	ND	111	ND	ND	ND	163	ND	ND	ND	18
1,1-Dichloroethene	ug/l	5	ND	ND	ND	30	ND	0.7	ND	474	ND	ND	ND	111	ND	ND	ND	163	ND	ND	ND	18
1,2-Dichloroethane	ug/l	5	ND	ND	ND	30	ND	ND	ND	474	ND	ND	ND	111	ND	ND	ND	163	ND	ND	ND	18
1,2-Dichloropropane	ug/l	5	ND	ND	ND	30	ND	0.8	ND	474	ND	ND	ND	111	ND	ND	ND	163	ND	ND	ND	18
Methyl-Tert-Butyl Ether (MTBE)	ug/l	10	ND	ND	ND	30	ND	1.7	ND	474	ND	0.5	ND	111	ND	ND	ND	163	ND	ND	ND	18
Tetrachloroethene	ug/l	5	ND	0.6	ND	30	ND	3.0	ND	474	ND	3.7	0.6	111	ND	ND	ND	163	ND	ND	ND	18
1,1,1-Trichloroethane	ug/l	5	ND	ND	ND	30	ND	1.2	ND	474	ND	ND	ND	111	ND	ND	ND	163	ND	ND	ND	18
Trichloroethene	ug/l	5	ND	ND	ND	30	ND	0.8	ND	474	ND	ND	ND	111	ND	ND	ND	163	ND	ND	ND	18
Trichlorofluoromethane	ug/l	5	ND	ND	ND	30	ND	ND	ND	474	ND	ND	ND	111	ND	ND	ND	163	ND	ND	ND	18
1,2,3-Trichloropropane	ug/l	5	ND	ND	ND	30	ND	ND	ND	474	ND	ND	ND	111	ND	ND	ND	163	ND	ND	ND	18
1,1,2-Trichlorotrifluoroethane	ug/l	5	ND	ND	ND	30	ND	ND	ND	474	ND	ND	ND	111	ND	ND	ND	163	ND	ND	ND	18
Disinfectant and Disinfection By-Products (**MCL is the sum of the four starred compounds shown below)																						
Bromochloroacetic Acid	ug/l	n/a	ND	ND	ND	6	ND	ND	ND	10	ND	1.4	ND	5	ND	1.6	ND	7	ND	ND	ND	4
Bromodichloroacetic Acid	ug/l	n/a	ND	ND	ND	6	ND	ND	ND	10	ND	ND	ND	5	ND	1.3	ND	7	ND	ND	ND	4
Bromodichloromethane	ug/l	**80	ND	1.2	ND	22	ND	1.4	ND	458	ND	0.9	ND	99	ND	2.6	ND	147	ND	ND	ND	12
Bromoform	ug/l	**80	ND	ND	ND	22	ND	1.1	ND	458	ND	ND	ND	99	ND	0.8	ND	147	ND	ND	ND	12
Chlorate	mg/l	n/a	ND	ND	ND	17	ND	0.35	ND	211	ND	0.26	ND	51	ND	0.44	ND	84	ND	0.13	ND	12
Chlorine residual (Pg 5, ftnote 6)	mg/l	4	0.2	1.8	0.8	172	0.2	1.9	0.9	2058	0.2	1.9	0.9	962	0.2	1.9	0.8	1316	0.4	1.1	0.9	62
Chloroform	ug/l	**80	ND	1.2	ND	22	ND	2.1	ND	458	ND	2.2	0.7	99	ND	3.0	0.6	147	ND	1.8	0.7	12
Dibromochloromethane	ug/l	**80	ND	1.3	ND	22	ND	1.9	ND	458	ND	1.0	ND	99	ND	2.5	ND	147	ND	ND	ND	12
Haloacetic Acids, total (5)	ug/l	60	ND	ND	ND	6	ND	1.9	ND	10	ND	3.2	1.4	5	ND	5.3	1.4	7	ND	ND	ND	4
N-Nitroso-dimethylamine (NDMA)	ug/l	50	ND	ND	ND	8	ND	ND	ND	71	ND	ND	ND	20	ND	ND	ND	41	ND	ND	ND	6
Trihalomethanes, total	ug/l	80	ND	1.9	0.6	8	ND	3.7	1.2	16	ND	15.5	3.1	12	ND	14.4	3.6	16	0.6	1.5	0.9	6

2011 Annual Water Quality Statement - Distribution Area Data

Suffolk County Water Authority
2011 Annual Water Quality Statement
For Calender Year 2010

	Unit of Measurement	MCL	Distribution Area 23				Distribution Area 26				Distribution Area 30				Distribution Area 32				Distribution Area 34			
			Range of Readings				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	Low Value	High Value	Avg. Value	No. of Tests
Radioactivity																						
Gross Alpha activity	pCi/l	15	ND	ND	ND	7	ND	ND	ND	4	ND	ND	ND	5	ND	ND	ND	1	ND	ND	ND	1
Gross Beta activity (Pg 5, ftnote 1)	pCi/l	50	ND	2.2	ND	6	ND	ND	ND	3	ND	2.7	ND	5	ND	ND	ND	1	ND	ND	ND	1
Radon (Pg 5, footnote 2)	pCi/l	4000	ND	ND	ND	7	ND	ND	ND	3	ND	ND	ND	5	ND	ND	ND	1	NA	NA	NA	0
Radium-228 (Pg 5, footnote 3)	pCi/l	5	ND	2.0	1.3	2	NA	NA	NA	0	NA	NA	NA	0	NA	NA	NA	0	NA	NA	NA	0
Inorganics																						
Alkalinity, total	mg/l	n/a	22.0	72.0	40.5	108	25.2	189.2	53.2	47	20.2	226.6	63.1	99	22.2	64.4	42.5	9	37.6	49.0	43.3	2
Aluminum	mg/l	n/a	ND	0.13	0.04	116	ND	0.25	0.05	81	ND	0.13	0.04	134	0.02	0.09	0.05	9	ND	0.04	0.03	2
Ammonia, free	mg/l	n/a	ND	ND	ND	112	ND	0.02	ND	51	ND	0.07	ND	117	ND	ND	ND	6	ND	ND	ND	3
Antimony	ug/l	6	ND	ND	ND	116	ND	ND	ND	81	ND	ND	ND	134	ND	ND	ND	9	ND	ND	ND	2
Arsenic	ug/l	10	ND	ND	ND	116	ND	3.3	ND	81	ND	ND	ND	134	ND	ND	ND	9	ND	ND	ND	2
Barium	mg/l	2	ND	0.07	0.02	116	ND	0.10	0.05	81	ND	0.08	0.02	134	ND	0.03	ND	9	ND	ND	ND	2
Boron	mg/l	n/a	ND	ND	ND	248	ND	ND	ND	184	ND	ND	ND	138	ND	ND	ND	9	ND	ND	ND	5
Bromide	mg/l	n/a	ND	ND	ND	110	ND	0.11	ND	50	ND	0.25	ND	98	ND	ND	ND	9	ND	ND	ND	2
Cadmium	ug/l	5	ND	ND	ND	116	ND	ND	ND	81	ND	ND	ND	134	ND	ND	ND	9	ND	ND	ND	2
Calcium	mg/l	n/a	4.0	39.1	18.6	248	5.2	60.3	20.1	184	9.5	49.1	29.0	138	8.2	23.0	16.1	9	18.8	23.5	20.4	5
CO2, calculated	mg/l	n/a	0.1	21.8	5.6	108	0.4	93.5	16.2	47	0.2	43.7	9.3	99	0.3	17.5	8.5	9	2.2	4.6	3.4	2
Chloride	mg/l	250	8.9	53.1	22.1	110	19.0	81.9	42.9	50	8.8	134.8	33.7	98	8.5	77.2	39.0	9	15.0	15.8	15.4	2
Chromium, total	ug/l	100	ND	ND	ND	116	ND	2.7	ND	81	ND	2.2	ND	134	ND	ND	ND	9	ND	ND	ND	2
Cobalt-59	ug/l	n/a	ND	6.9	0.6	116	ND	2.7	0.7	81	ND	1.1	ND	134	ND	ND	ND	9	ND	ND	ND	2
Color	Color units	15	ND	8	ND	108	ND	10	ND	47	ND	5	ND	99	ND	ND	ND	9	ND	7	ND	2
Copper	mg/l	AL=1.3	ND	0.29	ND	116	ND	0.60	0.06	81	ND	0.14	0.02	134	ND	0.08	0.02	9	ND	ND	ND	2
Dissolved solids, total	mg/l	n/a	45	219	108	109	65	316	150	49	49	373	184	96	46	175	120	9	110	118	114	2
Fluoride	mg/l	2.2	ND	ND	ND	110	ND	ND	ND	50	ND	ND	ND	98	ND	ND	ND	9	ND	ND	ND	2
Hardness, total	mg/l	n/a	14.2	128.3	63.8	248	23.0	196.5	73.9	184	30.7	156.6	100.4	138	24.6	69.7	50.2	9	68.6	92.9	75.5	5
Iron	ug/l	300	ND	784	107	248	ND	1419	129	184	ND	122	33	138	ND	95	32	9	ND	159	119	5
Lead	ug/l	AL=15	ND	2.6	ND	116	ND	1.4	ND	81	ND	2.0	ND	134	ND	1.0	ND	9	ND	ND	ND	2
Lithium	ug/l	n/a	ND	5.4	1.2	116	ND	2.0	ND	81	ND	2.4	ND	134	ND	ND	ND	9	1.2	1.8	1.5	2
Magnesium	mg/l	n/a	1.06	10.94	4.22	248	2.42	11.15	5.75	184	1.71	14.69	6.79	138	0.98	2.96	2.45	9	5.00	8.29	6.00	5
Manganese	ug/l	300	ND	151	18	248	ND	188	28	184	ND	112	12	138	ND	ND	ND	9	ND	21	14	5
Molybdenum	ug/l	n/a	ND	ND	ND	116	ND	1.7	ND	81	ND	ND	ND	134	ND	ND	ND	9	ND	ND	ND	2
Nickel	ug/l	100	ND	9.6	0.9	116	ND	3.5	1.0	81	ND	3.0	0.6	134	ND	0.5	ND	9	ND	ND	ND	2
Nitrate	mg/l	10	ND	7.11	1.80	110	ND	4.98	1.59	50	ND	8.21	3.71	98	ND	0.87	0.62	9	0.21	0.86	0.54	2
Perchlorate (Pg 5, footnote 4)	ug/l	15	ND	1.02	0.24	105	ND	0.97	0.18	45	ND	5.06	2.16	290	0.10	0.14	0.12	6	0.12	0.15	0.14	2
Phosphate, total	mg/l	n/a	ND	3.98	0.39	248	ND	4.40	1.16	184	ND	3.08	0.25	138	ND	0.73	0.14	9	ND	ND	ND	5
pH	pH units	n/a	6.4	8.8	7.3	108	5.8	8.3	7.3	47	6.5	8.6	7.2	99	6.8	8.2	7.1	9	7.2	7.6	7.4	2
pH, field	pH units	n/a	6.7	7.7	7.2	80	5.0	7.9	7.0	38	6.5	8.0	7.2	62	6.5	7.9	7.2	7	7.0	7.2	7.1	2
Potassium	mg/l	n/a	0.39	3.00	1.15	248	0.92	3.46	1.52	184	0.58	6.60	2.34	138	0.55	0.85	0.74	9	0.83	1.07	0.90	5
Silicon	mg/l	n/a	5.1	9.7	7.4	116	6.9	11.1	8.8	81	4.1	9.2	6.4	134	3.8	5.4	4.5	9	9.1	9.3	9.2	2
Sodium (Pg 5, footnote 5)	mg/l	n/a	6.4	26.3	13.5	248	14.5	56.6	24.5	184	6.7	92.2	27.2	138	7.3	45.6	24.6	9	10.5	13.5	11.3	5
Specific conductance	umho/cm	n/a	96	376	210	108	166	522	293	47	100	703	345	99	93	337	243	9	207	222	215	2
Strontium-88	mg/l	n/a	0.03	0.13	0.06	116	0.03	0.17	0.09	81	0.02	0.17	0.09	134	0.04	0.08	0.06	9	0.07	0.08	0.08	2
Sulfate	mg/l	250	3.0	63.2	15.6	110	6.2	24.0	11.4	50	4.6	71.2	31.2	98	5.4	9.2	7.1	9	27.3	37.2	32.2	2
Temperature, field	°Centigrade	n/a	10	16	12	69	11	14	12	31	10	16	12	58	11	12	12	4	13	13	13	1
Tin	ug/l	n/a	ND	ND	ND	116	ND	ND	ND	81	ND	ND	ND	134	ND	ND	ND	9	ND	ND	ND	2
Titanium	ug/l	n/a	ND	ND	ND	248	ND	8.2	ND	184	ND	5.6	ND	138	ND	ND	ND	9	ND	ND	ND	5
Total Organic Carbon (TOC)	mg/l	n/a	ND	2.15	0.41	108	ND	2.40	0.55	43	ND	1.28	0.52	98	0.34	1.02	0.61	6	ND	ND	ND	2
Turbidity	NT units	5	ND	2.1	ND	108	ND	2.8	0.70	47	ND	3.4	ND	99	ND	0.87	ND	9	ND	0.73	0.47	2
Vanadium	ug/l	n/a	ND	3.5	ND	116	ND	1.0	ND	81	ND	ND	ND	134	ND	ND	ND	9	2.1	3.1	2.6	2
Zinc	mg/l	5	ND	0.06	ND	116	ND	0.10	ND	81	ND	0.09	ND	134	ND	0.04	ND	9	ND	ND	ND	2
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																						
Alachlor ESA	ug/l	50	ND	ND	ND	152	ND	ND	ND	44	ND	0.29	ND	190	ND	ND	ND	6	ND	ND	ND	2
Aldicarb sulfone	ug/l	2	ND	ND	ND	124	ND	ND	ND	44	ND	1.0	ND	174	ND	ND	ND	6	ND	ND	ND	2
Aldicarb sulfoxide	ug/l	4	ND	1.4	ND	124	ND	ND	ND	44	ND	1.0	ND	174	ND	ND	ND	6	ND	ND	ND	2
Carbamazepine	ug/l	n/a	ND	ND	ND	15	ND	ND	ND	6	ND	ND	ND	13	ND	ND	ND	2	ND	ND	ND	1
Dilantin (Phenytoin)	ug/l	n/a	ND	ND	ND	15	ND	ND	ND	6	ND	ND	ND	13	ND	ND	ND	2	ND	ND	ND	1
Diethyltoluamide (DEET)	ug/l	50	ND	ND	ND	102	ND	0.23	ND	33	ND	ND	ND	89	ND	ND	ND	6	ND	ND	ND	2
1,4-Dioxane	ug/l	50	ND	0.3	ND	111	ND	1.0	ND	42	ND	ND	ND	109	ND	ND	ND	6	ND	ND	ND	2
Hexazinone	ug/l	50	ND	ND	ND	102	ND	ND	ND	33	ND	ND	ND	89	ND	ND	ND	6	ND	ND	ND	2
Metalaxyl	ug/l	50	ND	ND	ND	135	ND	ND	ND	42	ND	2.8	ND	182	ND	ND	ND	6	ND	ND	ND	2
Metolachlor	ug/l	50	ND	ND	ND	135	ND	ND	ND	42	ND	0.7	ND	182	ND	ND	ND	6	ND	ND	ND	2
Metolachlor ESA	ug/l	50	ND	1.32	0.24	152	ND	ND	ND	44	ND	4.54	0.36	190	ND	ND	ND	6	ND	0.32	0.21	2
Metolachlor OA	ug/l	50	ND	0.72	ND	152	ND	ND	ND	44	ND	4.20	0.32	190	ND	ND	ND	6	ND	ND	ND	2
Tetrachloroterephthalic Acid(TCPA)	ug/l	50	ND	4.9	ND	136	ND	ND	ND	44	ND	12.6	1.2	180	ND	ND	ND	6	ND	ND	ND	2
Volatile Organic Compounds																						
Chlorodifluoromethane	ug/l	5	ND	ND	ND	259	ND	1.4	ND	100	ND	ND	ND	220	ND	ND	ND	22	ND	ND	ND	3
Chloromethane	ug/l	5	ND	ND	ND	259	ND	ND	ND	100	ND	ND	ND	220	ND	ND	ND	22	ND	ND	ND	3
Cis-1,2-Dichloroethene	ug/l	5	ND	ND	ND	259	ND	0.7	ND	100	ND	ND	ND	220	ND	ND	ND	22	ND	ND	ND	3
Dichlorodifluoromethane	ug/l	5	ND	ND	ND	259	ND	0.8	ND	100	ND	ND	ND	220	ND	ND	ND	22	ND	ND	ND	3
1,1-Dichloroethane	ug/l	5	ND	ND	ND	259	ND	ND	ND	100	ND	ND	ND	220	ND	ND	ND	22	ND	ND	ND	3
1,1-Dichloroethene	ug/l	5	ND	ND	ND	259	ND	ND	ND	100	ND	ND	ND	220	ND	ND	ND	22	ND	ND	ND	3
1,2-Dichloroethane	ug/l	5	ND	ND	ND	259	ND	ND	ND	100	ND	ND	ND	220	ND	ND	ND	22	ND	ND	ND	3
1,2-Dichloropropane	ug/l	5	ND	ND	ND	259	ND	ND	ND	100	ND	ND	ND	220	ND	ND	ND	22	ND	ND	ND	3
Methyl-Tert-Butyl Ether (MTBE)	ug/l	10	ND	1.7	ND	259	ND	1.0	ND	100	ND	6.2	0.5	220	ND	ND	ND	22	ND	ND	ND	3
Tetrachloroethene	ug/l	5	ND	ND	ND	259	ND	2.3	ND	100	ND	ND	ND	220	ND	ND	ND	22	ND	ND	ND	3
1,1,1-Trichloroethane	ug/l	5	ND	ND	ND	259	ND	ND	ND	100	ND	ND	ND	220	ND	ND	ND	22	ND	ND	ND	3
Trichloroethene	ug/l	5	ND	ND	ND	259	ND	ND	ND	100	ND	ND	ND	220	ND	ND	ND	22	ND	ND	ND	3
Trichlorofluoromethane	ug/l	5	ND	ND	ND	259	ND	ND	ND	100	ND	ND	ND	220	ND	ND	ND	22	ND	ND	ND	3
1,2,3-Trichloropropane	ug/l	5	ND	ND	ND	259	ND	ND	ND	100	ND	ND	ND	220	ND	ND	ND	22	ND	ND	ND	3
1,1,2-Trichlorotrifluoroethane	ug/l	5	ND	ND	ND	259	ND	ND	ND	100	ND	ND	ND	220	ND	ND	ND	22	ND	ND	ND	3
Disinfectant and Disinfection By-Products (**MCL is the sum of the four starred compounds shown below)																						
Bromochloroacetic Acid	ug/l	n/a	ND	3.0	ND	11	ND	1.1	ND	9	ND	2.0	1.3	5	ND	ND	ND	4	0.8	0.8	0.8	1
Bromodichloroacetic Acid	ug/l	n/a	ND	ND	ND	11	ND	ND	ND	9	ND	ND	ND	5	ND	ND	ND	4	ND	ND	ND	1
Bromodichloromethane	ug/l	**80	ND	0.6	ND	239	ND	2.3	ND	86	ND	3.0	ND	206	ND	ND	ND	16	ND	ND	ND	1
Bromoform	ug/l	**80	ND	0.8	ND	239	ND	2.4	ND	86	ND	1.4	ND	206	ND	ND	ND	16	ND	ND	ND	1
Chlorate	mg/l	n/a	ND	0.36	ND	110	ND	1.14	0.26	50	ND	0.37	ND	98	ND	0.49	0.18	9	ND	ND	ND	2
Chlorine residual (Pg 5, ftnote 6)	mg/l	4	0.2	1.5	0.8	1142	0.2	2.0	0.8	341	0.2	1.8	0.8	582	0.2	1.8	0.9	61	0.5	1.0	0.8	12
Chloroform	ug/l	**80	ND	5.0	1.1	239	ND	2.8	1.0	86	ND	2.8	0.6	206	ND	12.4	6.3	16	ND	ND	ND	1
Dibromochloromethane	ug/l	**80	ND	1.2	ND	239	ND	4.2	ND	86	ND	3.3	ND	206	ND	ND	ND	16	ND	ND	ND	1
Haloacetic Acids, total (5)	ug/l	60	ND	8.0	1.3	11	ND	1.4	0.7	9	ND	5.6	2.6	5	ND	ND	ND	4	ND	ND	ND	1
N-Nitroso-dimethylamine (NDMA)	ug/l	50	ND	ND	ND	47	ND	ND	ND	16	ND	ND	ND	44	ND	ND	ND	3	ND	ND	ND	3
Trihalomethanes, total	ug/l	80	ND	5.6	2.7	20	0.7	24.0	6.5	14	ND	18.5	5.6	14	ND	4.5	2.9	6	1.7	4.5	3.1	2

2011 Annual Water Quality Statement - Distribution Area Data

Suffolk County Water Authority
2011 Annual Water Quality Statement
For Calender Year 2010

	Unit of Measurement	MCL	Distribution Area 35 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 39 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 44 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 53 Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 54 Range of Readings Low Value	High Value	Avg. Value	No. of Tests
Radioactivity																						
Gross Alpha activity	pCi/l	15	1.93	1.93	1.93	1	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	4	ND	ND	ND	4
Gross Beta activity (Pg 5, ftnote 1)	pCi/l	50	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	ND	2.9	ND	4	ND	ND	ND	4
Radon (Pg 5, footnote 2)	pCi/l	4000	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	4	ND	ND	ND	4
Radium-228 (Pg 5, footnote 3)	pCi/l	5	NA	NA	NA	0	NA	NA	NA	0	NA	NA	NA	0	NA	NA	NA	0	NA	NA	NA	0
Inorganics																						
Alkalinity, total	mg/l	n/a	31.8	99.0	71.6	9	23.0	27.2	25.1	7	25.0	38.4	31.7	11	ND	50.6	31.5	29	20.4	37.6	29.8	27
Aluminum	mg/l	n/a	ND	ND	ND	9	ND	0.04	ND	7	ND	0.09	0.03	10	0.03	0.73	0.26	75	0.04	1.11	0.33	69
Ammonia, free	mg/l	n/a	ND	ND	ND	7	ND	ND	ND	4	ND	ND	ND	6	ND	ND	ND	22	ND	ND	ND	25
Antimony	ug/l	6	ND	ND	ND	9	ND	ND	ND	7	ND	ND	ND	10	ND	ND	ND	75	ND	ND	ND	69
Arsenic	ug/l	10	ND	ND	ND	9	ND	ND	ND	7	ND	ND	ND	10	ND	ND	ND	75	ND	ND	ND	69
Barium	mg/l	2	0.02	0.04	0.03	9	ND	ND	ND	7	ND	ND	ND	10	ND	ND	ND	75	ND	ND	ND	69
Boron	mg/l	n/a	ND	ND	ND	13	ND	ND	ND	7	ND	ND	ND	10	ND	0.12	ND	47	ND	0.13	ND	29
Bromide	mg/l	n/a	ND	ND	ND	74	ND	ND	ND	7	ND	ND	ND	10	ND	ND	ND	27	ND	ND	ND	27
Cadmium	ug/l	5	ND	ND	ND	9	ND	ND	ND	7	ND	ND	ND	10	ND	ND	ND	75	ND	ND	ND	69
Calcium	mg/l	n/a	34.1	40.5	36.2	13	7.6	9.3	8.4	7	7.8	19.3	12.0	10	ND	2.9	0.7	47	ND	1.4	0.6	29
CO2, calculated	mg/l	n/a	6.0	33.4	17.1	9	1.4	4.5	2.9	7	1.0	7.2	3.1	11	3.8	24.1	10.7	28	3.0	15.9	7.1	27
Chloride	mg/l	250	ND	15.6	4.0	74	7.1	7.9	7.5	7	11.4	15.7	13.0	10	4.1	7.6	4.8	27	4.0	7.6	4.9	27
Chromium, total	ug/l	100	ND	ND	ND	9	ND	ND	ND	7	ND	ND	ND	10	ND	ND	ND	75	ND	ND	ND	69
Cobalt-59	ug/l	n/a	ND	ND	ND	9	ND	ND	ND	7	ND	ND	ND	10	ND	ND	ND	75	ND	ND	ND	69
Color	Color units	15	ND	ND	ND	9	ND	ND	ND	7	ND	ND	ND	11	ND	25	8	28	5	20	9	27
Copper	mg/l	AL=1.3	ND	0.04	0.02	9	ND	0.10	0.03	7	ND	0.05	ND	10	ND	0.13	ND	75	ND	0.02	ND	69
Dissolved solids, total	mg/l	n/a	247	322	291	9	45	50	47	7	56	114	72	10	31	72	53	26	39	60	49	27
Fluoride	mg/l	2.2	ND	ND	ND	74	ND	ND	ND	7	ND	ND	ND	10	ND	ND	ND	27	ND	0.2	ND	27
Hardness, total	mg/l	n/a	131.6	152.7	141.7	13	26.1	30.1	28.0	7	29.1	69.5	41.8	10	ND	7.7	2.1	47	ND	4.1	ND	29
Iron	ug/l	300	ND	ND	ND	13	ND	ND	ND	7	ND	184	37	10	137	793	426	47	ND	525	155	29
Lead	ug/l	AL=15	ND	ND	ND	9	ND	ND	ND	7	ND	ND	ND	10	ND	2.3	ND	75	ND	2.0	ND	69
Lithium	ug/l	n/a	ND	2.4	1.4	9	ND	ND	ND	7	ND	2.1	ND	10	3.5	10.4	6.1	75	2.1	5.5	3.4	69
Magnesium	mg/l	n/a	11.29	15.81	12.48	13	1.66	1.77	1.73	7	2.24	5.19	2.87	10	ND	0.43	0.15	47	ND	0.16	ND	29
Manganese	ug/l	300	ND	ND	ND	13	ND	ND	ND	7	ND	ND	ND	10	ND	11	ND	47	ND	ND	ND	29
Molybdenum	ug/l	n/a	ND	ND	ND	9	ND	ND	ND	7	ND	ND	ND	10	ND	ND	ND	75	ND	ND	ND	69
Nickel	ug/l	100	0.7	3.0	1.2	9	ND	ND	ND	7	ND	0.6	ND	10	ND	1.1	ND	75	ND	1.8	ND	69
Nitrate	mg/l	10	ND[1]	8.84[1]	3.62	74	ND	ND	ND	7	0.26	0.88	0.44	10	ND	ND	ND	27	ND	ND	ND	27
Perchlorate (Pg 5, footnote 4)	ug/l	15	ND[1]	1.19[1]	ND	79	ND	ND	ND	4	ND	0.16	ND	6	ND	ND	ND	19	ND	ND	ND	20
Phosphate, total	mg/l	n/a	ND	0.25	0.11	13	ND	0.97	0.20	7	ND	ND	ND	10	ND	3.66	1.07	47	0.31	0.94	0.49	29
pH	pH units	n/a	6.3	7.5	7.0	9	7.0	7.5	7.3	7	6.8	7.8	7.4	11	6.1	7.4	6.8	28	6.4	7.3	7.0	27
pH, field	pH units	n/a	6.7	7.5	7.0	8	7.1	7.5	7.4	6	6.0	7.6	7.1	9	5.0	7.4	6.7	18	6.0	7.4	6.9	19
Potassium	mg/l	n/a	1.52	2.05	1.90	13	0.50	0.53	0.51	7	0.57	0.97	0.68	10	0.93	4.71	3.46	47	0.88	1.62	1.30	29
Silicon	mg/l	n/a	6.6	7.3	6.9	9	5.0	5.8	5.4	7	5.9	9.4	6.8	10	4.0	5.4	4.7	75	3.9	5.5	4.6	69
Sodium (Pg 5, footnote 5)	mg/l	n/a	21.7	51.0	38.1	13	6.0	6.3	6.1	7	8.2	10.4	9.2	10	9.1	30.0	19.1	47	13.5	20.6	16.8	29
Specific conductance	umho/cm	n/a	429	539	493	9	90	106	95	7	112	222	143	11	60	130	93	28	70	102	86	27
Strontium-88	mg/l	n/a	0.14	0.16	0.15	9	0.02	0.03	0.03	7	0.03	0.08	0.04	10	ND	0.01	ND	75	ND	ND	ND	69
Sulfate	mg/l	250	ND	27.3	ND	74	6.7	7.3	6.9	7	7.3	34.8	12.1	10	3.7	4.7	4.3	27	3.2	3.9	3.6	27
Temperature, field	°Centigrade	n/a	12	13	13	4	11	12	12	2	10	12	11	5	8	19	13	10	8	15	13	10
Tin	ug/l	n/a	ND	ND	ND	9	ND	ND	ND	7	ND	ND	ND	10	ND	ND	ND	75	ND	ND	ND	69
Titanium	ug/l	n/a	ND	ND	ND	13	ND	ND	ND	7	ND	8.3	ND	10	ND	21.1	ND	47	ND	33.9	7.9	29
Total Organic Carbon (TOC)	mg/l	n/a	ND	0.60	ND	6	0.33	0.53	0.45	4	ND	0.48	0.33	7	ND	1.69	0.64	20	0.47	1.50	0.84	21
Turbidity	NT units	5	ND	ND	ND	9	ND	ND	ND	7	ND	0.68	ND	11	ND	3.9	1.7	29	0.5	8.0	2.5	27
Vanadium	ug/l	n/a	ND	ND	ND	9	ND	ND	ND	7	ND	1.7	ND	10	ND	ND	ND	75	ND	ND	ND	69
Zinc	mg/l	5	ND	0.08	0.04	9	ND	ND	ND	7	ND	0.08	ND	10	ND	0.19	ND	75	ND	0.07	ND	69
Synthetic Organic Compounds including Pesticides, Herbicides, Pharmaceuticals and Personal Care Products																						
Alachlor ESA	ug/l	50	ND	ND	ND	25	ND	ND	ND	4	ND	ND	ND	6	ND	ND	ND	20	ND	ND	ND	20
Aldicarb sulfone	ug/l	2	ND	ND	ND	8	ND	ND	ND	4	ND	ND	ND	6	ND	ND	ND	20	ND	ND	ND	20
Aldicarb sulfoxide	ug/l	4	ND	ND	ND	8	ND	ND	ND	4	ND	ND	ND	6	ND	ND	ND	20	ND	ND	ND	20
Carbamazepine	ug/l	n/a	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	8	ND	ND	ND	8
Dilantin (Phenytoin)	ug/l	n/a	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	8	ND	ND	ND	8
Diethyltoluamide (DEET)	ug/l	50	ND	ND	ND	7	ND	ND	ND	4	ND	ND	ND	6	ND	ND	ND	20	ND	0.39	ND	21
1,4-Dioxane	ug/l	50	ND	ND	ND	7	ND	ND	ND	4	ND	ND	ND	6	ND	ND	ND	20	ND	ND	ND	20
Hexazinone	ug/l	50	ND	ND	ND	7	ND	ND	ND	4	ND	ND	ND	6	ND	ND	ND	20	ND	ND	ND	21
Metalaxyl	ug/l	50	ND	ND	ND	26	ND	ND	ND	4	ND	ND	ND	6	ND	ND	ND	21	ND	ND	ND	20
Metolachlor	ug/l	50	ND	ND	ND	26	ND	ND	ND	4	ND	ND	ND	6	ND	ND	ND	21	ND	ND	ND	20
Metolachlor ESA	ug/l	50	ND	0.58	ND	25	ND	ND	ND	4	ND	0.31	ND	6	ND	ND	ND	20	ND	ND	ND	20
Metolachlor OA	ug/l	50	ND	0.47	ND	25	ND	ND	ND	4	ND	ND	ND	6	ND	ND	ND	20	ND	ND	ND	20
Tetrachloroterephthalic Acid(TCPA)	ug/l	50	ND	4.3	1.1	26	ND	ND	ND	4	ND	ND	ND	6	ND	ND	ND	20	ND	ND	ND	20
Volatile Organic Compounds																						
Chlorodifluoromethane	ug/l	5	ND	ND	ND	30	ND	ND	ND	10	ND	ND	ND	14	ND	ND	ND	42	ND	ND	ND	40
Chloromethane	ug/l	5	ND	ND	ND	30	ND	ND	ND	10	ND	ND	ND	14	ND	ND	ND	42	ND	ND	ND	40
Cis-1,2-Dichloroethene	ug/l	5	ND	ND	ND	30	ND	ND	ND	10	ND	ND	ND	14	ND	ND	ND	42	ND	ND	ND	40
Dichlorodifluoromethane	ug/l	5	ND	ND	ND	30	ND	ND	ND	10	ND	ND	ND	14	ND	ND	ND	42	ND	ND	ND	40
1,1-Dichloroethane	ug/l	5	ND	ND	ND	30	ND	ND	ND	10	ND	ND	ND	14	ND	ND	ND	42	ND	ND	ND	40
1,1-Dichloroethene	ug/l	5	ND	ND	ND	30	ND	ND	ND	10	ND	ND	ND	14	ND	ND	ND	42	ND	ND	ND	40
1,2-Dichloroethane	ug/l	5	ND	ND	ND	30	ND	ND	ND	10	ND	ND	ND	14	ND	ND	ND	42	ND	ND	ND	40
1,2-Dichloropropane	ug/l	5	ND	ND	ND	30	ND	ND	ND	10	ND	ND	ND	14	ND	ND	ND	42	ND	ND	ND	40
Methyl-Tert-Butyl Ether (MTBE)	ug/l	10	ND	ND	ND	30	ND	ND	ND	10	ND	ND	ND	14	ND	ND	ND	42	ND	ND	ND	40
Tetrachloroethene	ug/l	5	ND	ND	ND	30	ND	ND	ND	10	ND	ND	ND	14	ND	ND	ND	42	ND	ND	ND	40
1,1,1-Trichloroethane	ug/l	5	ND	ND	ND	30	ND	ND	ND	10	ND	ND	ND	14	ND	ND	ND	42	ND	ND	ND	40
Trichloroethene	ug/l	5	ND	ND	ND	30	ND	ND	ND	10	ND	ND	ND	14	ND	ND	ND	42	ND	ND	ND	40
Trichlorofluoromethane	ug/l	5	ND	ND	ND	30	ND	ND	ND	10	ND	ND	ND	14	ND	ND	ND	42	ND	ND	ND	40
1,2,3-Trichloropropane	ug/l	5	ND	ND	ND	30	ND	ND	ND	10	ND	ND	ND	14	ND	ND	ND	42	ND	ND	ND	40
1,1,2-Trichlorotrifluoroethane	ug/l	5	ND	ND	ND	30	ND	ND	ND	10	ND	ND	ND	14	ND	ND	ND	42	ND	ND	ND	40
Disinfectant and Disinfection By-Products (**MCL is the sum of the four starred compounds shown below)																						
Bromochloroacetic Acid	ug/l	n/a	ND	ND	ND	4	ND	ND	ND	4	ND	0.8	ND	4	ND	ND	ND	8	ND	ND	ND	8
Bromodichloroacetic Acid	ug/l	n/a	ND	ND	ND	4	ND	ND	ND	4	ND	ND	ND	4	ND	ND	ND	8	ND	0.9	ND	8
Bromodichloromethane	ug/l	**80	ND	ND	ND	24	ND	ND	ND	4	ND	ND	ND	8	ND	ND	ND	25	ND	ND	ND	24
Bromoform	ug/l	**80	ND	ND	ND	24	ND	ND	ND	4	ND	ND	ND	8	ND	ND	ND	25	ND	ND	ND	24
Chlorate	mg/l	n/a	ND	ND	ND	74	ND	0.12	ND	7	ND	0.14	ND	10	ND	1.13	0.29	27	ND	0.77	0.14	27
Chlorine residual (Pg 5, ftnote 6)	mg/l	4	0.4	1.1	0.7	60	0.2	1.2	0.9	105	0.1	1.4	0.8	102	0.1	1.4	0.7	80	0.2	1.5	0.7	81
Chloroform	ug/l	**80	ND	ND	ND	24	1.3	1.5	1.3	4	1.9	2.5	2.2	8	ND	ND	ND	25	ND	ND	ND	24
Dibromochloromethane	ug/l	**80	ND	ND	ND	24	ND	ND	ND	4	ND	ND	ND	8	ND	ND	ND	25	ND	ND	ND	24
Haloacetic Acids, total (5)	ug/l	60	ND	ND	ND	4	ND	ND	ND	4	ND	2.7	0.8	4	ND	4.8	1.7	8	1.2	6.0	4.0	8
N-Nitroso-dimethylamine (NDMA)	ug/l	50	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	3	ND	ND	ND	9	ND	ND	ND	11
Trihalomethanes, total	ug/l	80	ND	ND	ND	6	1.4	3.7	1.9	6	1.9	6.0	3.2	6	ND	8.8	2.3	17	ND	11.8	3.9	16

[1] These results are from individual treatment units located on the customer's kitchen faucets.

2011 Annual Water Quality Statement - Distribution Area Data

Suffolk County Water Authority 2011 Annual Water Quality Statement For Calender Year 2010	Unit of Measurement	MCL	Distribution Area 55				Distribution Area RSWD				Distribution Area SBWD				Distribution Area EFWD			
			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
Radioactivity																		
Gross Alpha activity	pCi/l	15	ND	ND	ND	5	ND	ND	ND	1	ND	ND	ND	2	NA	NA	NA	0
Gross Beta activity (Pg 5, ftnote 1)	pCi/l	50	ND	ND	ND	4	ND	ND	ND	1	ND	ND	ND	2	NA	NA	NA	0
Radon (Pg 5, footnote 2)	pCi/l	4000	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	2	NA	NA	NA	0
Radium-228 (Pg 5, footnote 3)	pCi/l	5	ND	1.1	ND	4	NA	NA	NA	0	NA	NA	NA	0	NA	NA	NA	0
Inorganics																		
Alkalinity, total	mg/l	n/a	20.6	38.2	27.5	14	23.4	34.2	29.4	10	23.0	43.4	34.2	9	ND	20.8	ND	6
Aluminum	mg/l	n/a	ND	0.40	0.21	31	ND	0.04	ND	10	ND	0.06	0.03	9	ND	0.02	ND	7
Ammonia, free	mg/l	n/a	ND	0.02	ND	16	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	6
Antimony	ug/l	6	ND	ND	ND	31	ND	ND	ND	10	ND	ND	ND	9	ND	ND	ND	8
Arsenic	ug/l	10	ND	ND	ND	31	ND	ND	ND	10	ND	ND	ND	9	ND	ND	ND	8
Barium	mg/l	2	ND	ND	ND	31	ND	ND	ND	10	ND	ND	ND	9	ND	ND	ND	8
Boron	mg/l	n/a	ND	ND	ND	24	ND	ND	ND	10	ND	ND	ND	9	ND	ND	ND	6
Bromide	mg/l	n/a	ND	ND	ND	14	ND	ND	ND	10	ND	ND	ND	9	ND	ND	ND	6
Cadmium	ug/l	5	ND	ND	ND	31	ND	ND	ND	10	ND	ND	ND	9	ND	ND	ND	8
Calcium	mg/l	n/a	ND	4.3	1.3	24	8.3	12.0	9.9	10	7.2	17.6	12.8	9	ND	9.2	2.7	6
CO2, calculated	mg/l	n/a	1.9	8.3	5.5	14	0.8	5.7	2.8	10	1.6	14.5	4.7	9	2.6	22.0	7.1	6
Chloride	mg/l	250	3.7	6.4	4.6	14	6.8	9.3	8.4	10	4.3	12.4	8.6	9	3.7	12.0	5.6	7
Chromium, total	ug/l	100	ND	ND	ND	31	ND	ND	ND	10	ND	ND	ND	9	ND	ND	ND	8
Cobalt-59	ug/l	n/a	ND	ND	ND	31	ND	ND	ND	10	ND	ND	ND	9	ND	1.6	0.6	7
Color	Color units	15	ND	10	7	14	ND	ND	ND	10	ND	10	ND	9	ND	ND	ND	7
Copper	mg/l	AL=1.3	ND	ND	ND	31	ND	ND	ND	10	ND	ND	ND	9	ND	0.14	0.06	7
Dissolved solids, total	mg/l	n/a	36	79	47	14	45	59	53	10	34	111	67	9	28	46	37	6
Fluoride	mg/l	2.2	ND	ND	ND	14	ND	ND	ND	10	ND	ND	ND	9	ND	ND	ND	6
Hardness, total	mg/l	n/a	ND	11.2	3.6	24	28.3	40.0	33.7	10	21.4	56.5	40.0	9	ND	27.0	8.1	6
Iron	ug/l	300	79	509	305	24	ND	43	ND	10	ND	225	69	9	ND	76	ND	7
Lead	ug/l	AL=15	ND	1.2	ND	31	ND	ND	ND	10	ND	ND	ND	9	ND	2.1	ND	8
Lithium	ug/l	n/a	3.1	6.5	4.0	31	ND	1.3	ND	10	ND	ND	ND	9	ND	ND	ND	7
Magnesium	mg/l	n/a	ND	0.19	ND	24	1.82	2.66	2.20	10	0.83	3.03	1.95	9	0.19	0.98	0.36	6
Manganese	ug/l	300	ND	ND	ND	24	ND	ND	ND	10	ND	ND	ND	9	ND	ND	ND	7
Molybdenum	ug/l	n/a	ND	ND	ND	31	ND	ND	ND	10	ND	ND	ND	9	ND	ND	ND	7
Nickel	ug/l	100	ND	1.0	ND	31	ND	ND	ND	10	ND	ND	ND	9	ND	2.4	1.0	8
Nitrate	mg/l	10	ND	ND	ND	14	ND	ND	ND	10	ND	2.96	1.69	9	ND	1.36	0.30	7
Perchlorate (Pg 5, footnote 4)	ug/l	15	ND	ND	ND	12	ND	ND	ND	4	ND	0.23	0.11	3	ND	1.26	0.21	9
Phosphate, total	mg/l	n/a	0.19	4.62	1.31	24	ND	0.25	0.13	10	ND	0.12	ND	9	0.11	1.13	0.56	6
pH	pH units	n/a	6.7	7.5	7.0	14	7.0	7.8	7.3	9	6.6	7.6	7.3	9	6.3	7.3	7.0	7
pH, field	pH units	n/a	6.5	7.7	6.9	11	7.0	7.6	7.3	8	6.8	7.8	7.3	8	6.5	7.5	7.1	4
Potassium	mg/l	n/a	1.06	3.43	2.32	24	0.47	0.65	0.57	10	0.43	0.74	0.60	9	0.34	0.63	0.42	6
Silicon	mg/l	n/a	4.6	5.3	5.0	31	5.4	7.6	6.7	10	4.8	6.4	5.8	9	2.9	3.4	3.1	7
Sodium (Pg 5, footnote 5)	mg/l	n/a	12.2	20.6	16.7	24	5.4	6.4	6.0	10	4.1	9.4	7.0	9	2.6	18.0	9.0	7
Specific conductance	umho/cm	n/a	66	108	83	14	88	118	106	10	64	172	125	9	52	110	66	7
Strontium-88	mg/l	n/a	ND	ND	ND	31	0.02	0.04	0.03	10	0.01	0.06	0.03	9	ND	0.02	ND	7
Sulfate	mg/l	250	3.7	7.6	4.6	14	6.3	7.1	6.7	10	ND	8.5	3.8	9	ND	ND	ND	7
Temperature, field	°Centigrade	n/a	15	16	15	9	NA	NA	NA	0	NA	NA	NA	0	12	13	12	3
Tin	ug/l	n/a	ND	ND	ND	31	ND	ND	ND	10	ND	ND	ND	9	ND	ND	ND	7
Titanium	ug/l	n/a	ND	10.9	5.5	24	ND	ND	ND	10	ND	ND	ND	9	ND	ND	ND	6
Total Organic Carbon (TOC)	mg/l	n/a	0.29	0.77	0.51	10	0.26	0.37	0.31	4	ND	ND	ND	3	ND	0.50	0.35	5
Turbidity	NT units	5	0.55	2.0	1.0	14	ND	ND	ND	10	ND	0.70	ND	9	ND	ND	ND	6
Vanadium	ug/l	n/a	ND	ND	ND	31	ND	ND	ND	10	ND	ND	ND	9	ND	ND	ND	7
Zinc	mg/l	5	ND	0.15	ND	31	ND	ND	ND	10	ND	0.11	0.02	9	ND	0.04	ND	8
Synthetic Organic Compounds including Pesticides and Herbicides																		
Alachlor ESA	ug/l	50	ND	ND	ND	15	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	5
Aldicarb sulfone	ug/l	2	ND	ND	ND	12	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	5
Aldicarb sulfoxide	ug/l	4	ND	ND	ND	12	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	5
Carbamazepine	ug/l	n/a	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	5
Dilantin (Phenytoin)	ug/l	n/a	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	5
Diethyltoluamide (DEET)	ug/l	50	ND	ND	ND	10	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	4
1,4-Dioxane	ug/l	50	ND	ND	ND	12	ND	ND	ND	4	ND	ND	ND	3	ND	2.1	0.5	5
Hexazinone	ug/l	50	ND	ND	ND	10	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	4
Metalaxyl	ug/l	50	ND	ND	ND	14	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	5
Metolachlor	ug/l	50	ND	ND	ND	14	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	5
Metolachlor ESA	ug/l	50	ND	ND	ND	15	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	5
Metolachlor OA	ug/l	50	ND	ND	ND	15	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	5
Tetrachloroterephthalic Acid(TCPA)	ug/l	50	ND	ND	ND	12	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	5
Volatile Organic Compounds																		
Chlorodifluoromethane	ug/l	5	ND	ND	ND	22	ND	ND	ND	12	ND	ND	ND	11	ND	0.8	ND	14
Chloromethane	ug/l	5	ND	ND	ND	22	ND	ND	ND	12	ND	ND	ND	11	ND	ND	ND	29
Cis-1,2-Dichloroethene	ug/l	5	ND	ND	ND	22	ND	ND	ND	12	ND	ND	ND	11	ND	3.2	ND	29
Dichlorodifluoromethane	ug/l	5	ND	ND	ND	22	ND	ND	ND	12	ND	ND	ND	11	ND	ND	ND	29
1,1-Dichloroethane	ug/l	5	ND	ND	ND	22	ND	ND	ND	12	ND	ND	ND	11	ND	1.9	ND	29
1,1-Dichloroethene	ug/l	5	ND	ND	ND	22	ND	ND	ND	12	ND	ND	ND	11	ND	2.5	ND	29
1,2-Dichloroethane	ug/l	5	ND	ND	ND	22	ND	ND	ND	12	ND	ND	ND	11	ND	ND	ND	29
1,2-Dichloropropane	ug/l	5	ND	ND	ND	22	ND	ND	ND	12	ND	ND	ND	11	ND	ND	ND	29
Methyl-Tert-Butyl Ether (MTBE)	ug/l	10	ND	ND	ND	22	ND	ND	ND	12	ND	ND	ND	11	ND	ND	ND	29
Tetrachloroethene	ug/l	5	ND	ND	ND	22	ND	ND	ND	12	ND	ND	ND	11	ND	ND	ND	29
1,1,1-Trichloroethane	ug/l	5	ND	ND	ND	22	ND	ND	ND	12	ND	ND	ND	11	ND	2.2	ND	29
Trichloroethene	ug/l	5	ND	ND	ND	22	ND	ND	ND	12	ND	ND	ND	11	ND	3.1	1.2	29
Trichlorofluoromethane	ug/l	5	ND	ND	ND	22	ND	ND	ND	12	ND	ND	ND	11	ND	ND	ND	29
1,2,3-Trichloropropane	ug/l	5	ND	ND	ND	22	ND	ND	ND	12	ND	ND	ND	11	ND	ND	ND	29
1,1,2-Trichlorotrifluoroethane	ug/l	5	ND	ND	ND	22	ND	ND	ND	12	ND	ND	ND	11	ND	3.0	0.6	15
Disinfectant and Disinfection By-Products (**MCL is the sum of the four starred compounds shown below)																		
Bromochloroacetic Acid	ug/l	n/a	ND	ND	ND	4	ND	ND	ND	8	ND	ND	ND	8	ND	ND	ND	2
Bromodichloroacetic Acid	ug/l	n/a	ND	ND	ND	4	ND	ND	ND	8	ND	ND	ND	8	ND	ND	ND	2
Bromodichloromethane	ug/l	**80	ND	ND	ND	16	NA	NA	NA	0	NA	NA	NA	0	ND	ND	ND	10
Bromoform	ug/l	**80	ND	ND	ND	16	NA	NA	NA	0	NA	NA	NA	0	ND	ND	ND	10
Chlorate	mg/l	n/a	ND	1.67	0.37	14	ND	ND	ND	10	ND	0.13	ND	9	ND	ND	ND	6
Chlorine residual (Pg 5, ftnote 6)	mg/l	4	0.4	1.2	0.8	50	0.2	1.2	0.7	58	0.2	1.3	0.8	105	0.2	1.1	0.6	28
Chloroform	ug/l	**80	ND	ND	ND	16	NA	NA	NA	0	NA	NA	NA	0	ND	ND	ND	10
Dibromochloromethane	ug/l	**80	ND	ND	ND	16	NA	NA	NA	0	NA	NA	NA	0	ND	ND	ND	10
Haloacetic Acids, total (5)	ug/l	60	1.3	3.8	2.3	4	ND	1.3	ND	8	ND	ND	ND	8	ND	ND	ND	2
N-Nitroso-dimethylamine (NDMA)	ug/l	50	ND	ND	ND	8	ND	ND	ND	4	ND	ND	ND	4	ND	ND	ND	3
Trihalomethanes, total	ug/l	80	ND	3.6	2.0	6	1.0	4.2	2.2	12	ND	3.8	1.0	11	ND	ND	ND	4

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 Annual Water Quality Report will be made available through our website at www.scwa.com.

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**

Need more information about us? *You may also be interested in attending one of the meetings of the Suffolk County Water Authority Board of Directors. 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 Service's Office of Water Resources oversees the SCWA. If you prefer, questions regarding the SCWA and/or this report can be directed to them at 631-852-5787.*

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 MUCH WATER DID WE SUPPLY IN 2010?

To meet the demands of our customers, we pumped **75.0 billion gallons** of water. Of that total, we billed our customers for approximately **69.0 billion gallons.** The difference of **6.0 billion gallons** 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, 2010*

Customers	379,511
Population Served	1,138,533
Miles of Main	5,894
Fire Hydrants	36,703
Water Pumped (billion gallons)	75.0
Total Wells in System	603
Active Wells in System	570
Pump Stations	237
Storage Facilities	63
Water Storage Capacity (million gallons)	66.4
Average Annual Water Rates (182,188 gallons/customer)	$310

CONSERVING WATER

Although we have a sufficient water supply to meet present and future demands if managed properly, there are many reasons why it's important to conserve our most precious resource. Conserving water reduces the need for electricity to run our well pumps; reduces the need to construct new wells, water mains and tanks to meet increased demand; ensures that there will be an adequate supply for future generations; and ensures that there will be sufficient water pressure during peak demand periods for fighting fires.
Conserving water also saves money. Below are water conservation measures you can implement at home:

- Check for leaky faucets and toilets. A small leak can waste hundreds of gallons of water a day.
- Install water-conserving appliances and fixtures. They are cost-effective and can dramatically reduce water use-the average home, retrofitted with water-efficient fixtures, can save 30,000 gallons per year.
- Turn off the tap while brushing teeth. This can save gallons a day.
- To water your lawn, look for sprinklers that produce droplets, not mist, and make sure that water is evenly distributed. Also, set timers properly and install rain shut-off devices and moisture sensors to reduce excess watering.
- Consider using ground cover that requires little water in place of lawn areas.

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 15 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	2,705
Population Served	8,115
Miles of Main	44
Fire Hydrants	452
Water Used (Million Gallons)	580
Average Annual Bill (213,636 gallons)	$401
Water Billed (Million Gallons)	558
Percentage of Water Unaccounted for	8%

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 are included in the information in the main section of this report. Test results for Fair Harbor may be found on page 14 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.

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 15 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	1,657
Population Served	4,971
Miles of Main	26
Fire Hydrants	218
Water Used (Million Gallons)	.233
Average Annual Bill (133,411 gallons)	$68
Water Billed (Million Gallons)	224
Percentage of Water Unaccounted for	8%

Special Notice for Riverside Water District

The Suffolk County Water Authority operates the Riverside Water District, and we serve approximately 1,830 people there. Test results for the Riverside Water District may be found on page 15 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.

Federal PWS 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