

# WaterTalk

Your Questions,
Our Answers About Vital
Drinking Water Topics





# WaterTalk

James F. Gaughran

-Chairman



# What is SCWA?

- The Suffolk County Water Authority is an **independent public-benefit corporation** operating under the Public Authorities Law of the State of New York.
- •SCWA serves approximately **1.2 million** Suffolk County residents.
- •Beginning operations in 1951, SCWA operates without taxing power on a not-for-profit basis.
- •SCWA is one of the largest **groundwater suppliers** in the country.

## What is SCWA not?

- SCWA is not a branch of Suffolk County Government.
- SCWA does not create or enforce drinking water standards. This is the responsibility of the U.S. Environmental Protection Agency (EPA) and New York State Department of Health (DOH).
- •SCWA does not provide water to all of the Town of Huntington. Greenlawn Water District and South Huntington Water District supply those residents.



# **SCWA Statistics**

586 Active Wells at 237 Well Fields

 64 Storage Tanks w/68 Million Gallons (MG) of Storage.

Avg Daily Pumpage: 210 MG.

Avg Peak Pumpage: 470 MG.





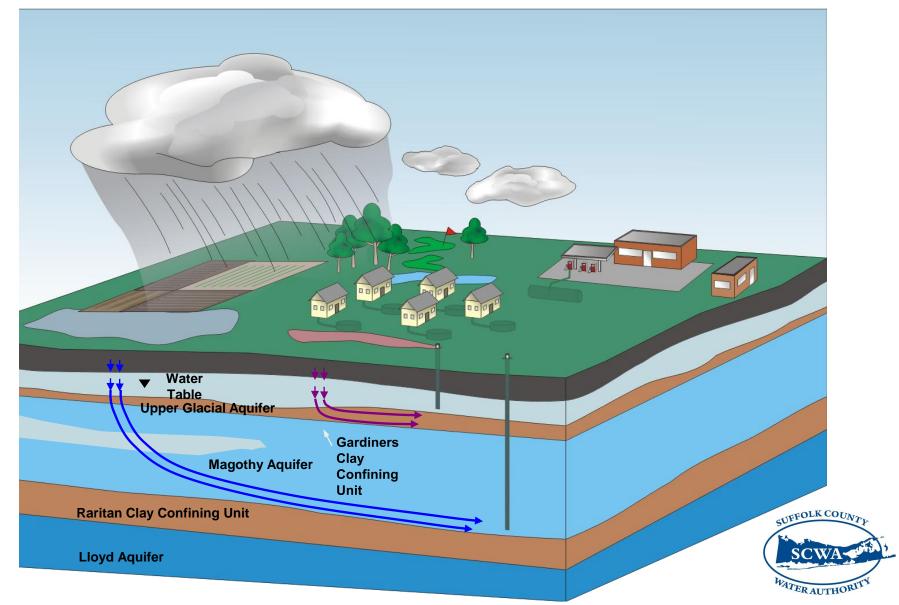
# WaterTalk

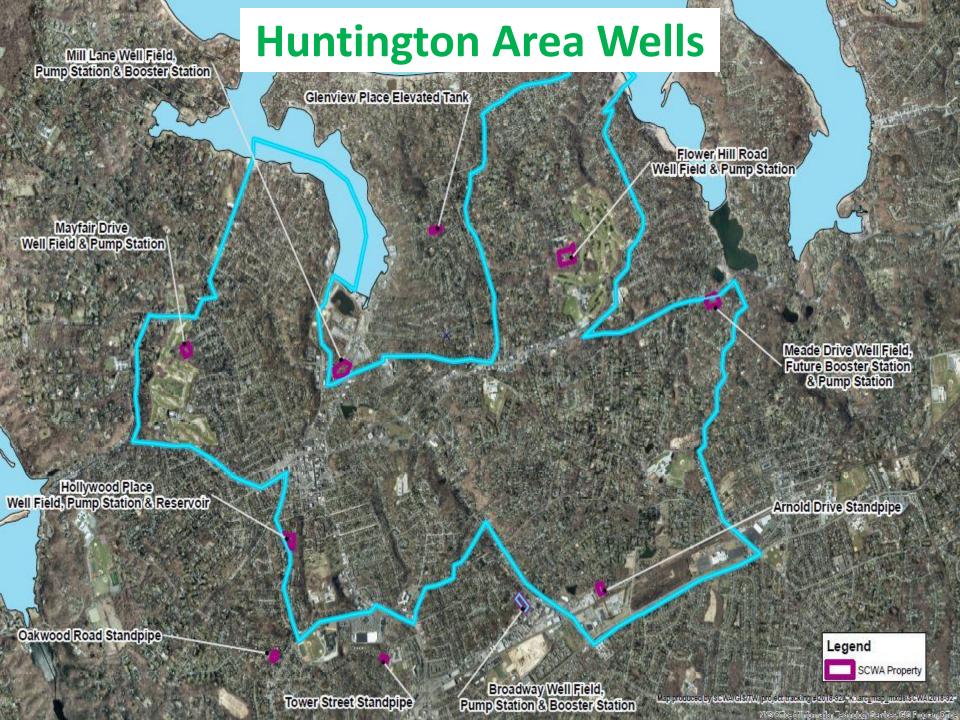
Timothy Kilcommons, P.E.

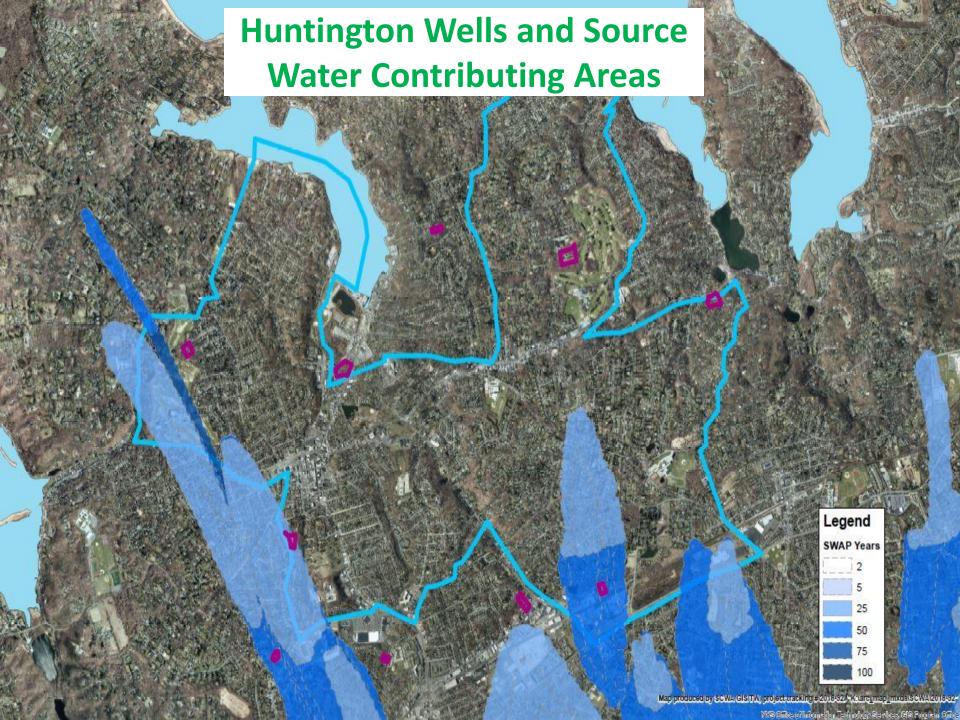
-Chief Engineer



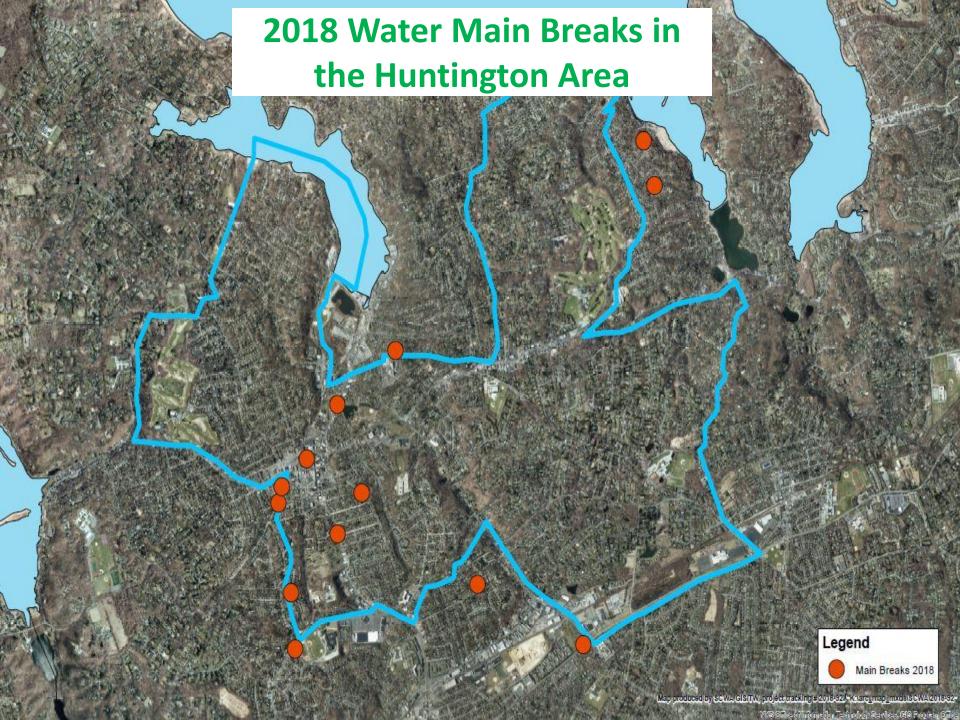
# Source Water – Where Does Our Water Come From?

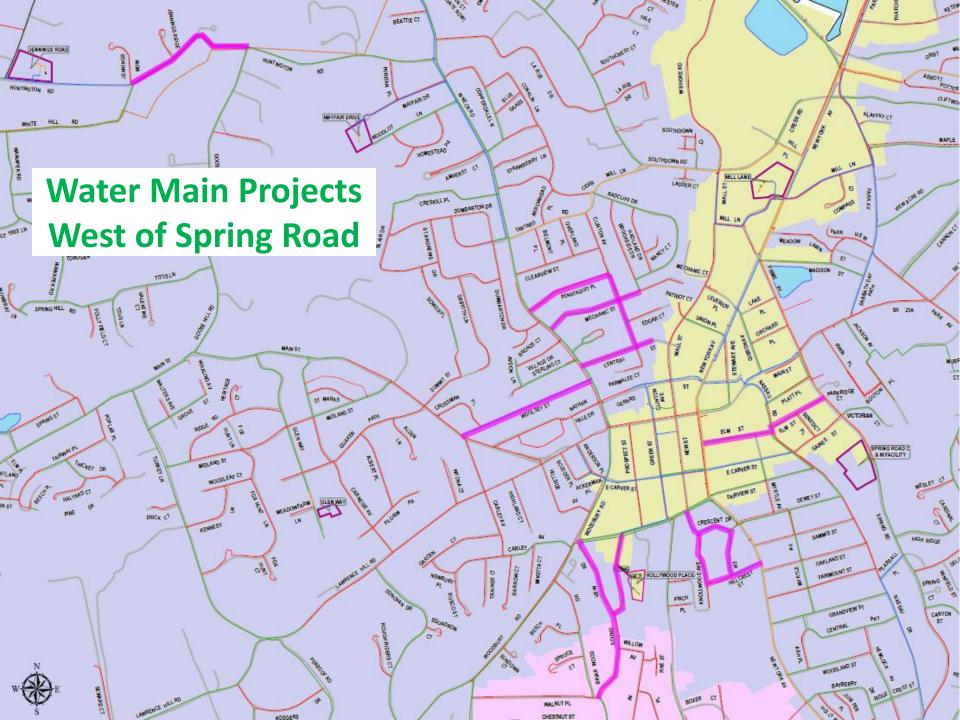


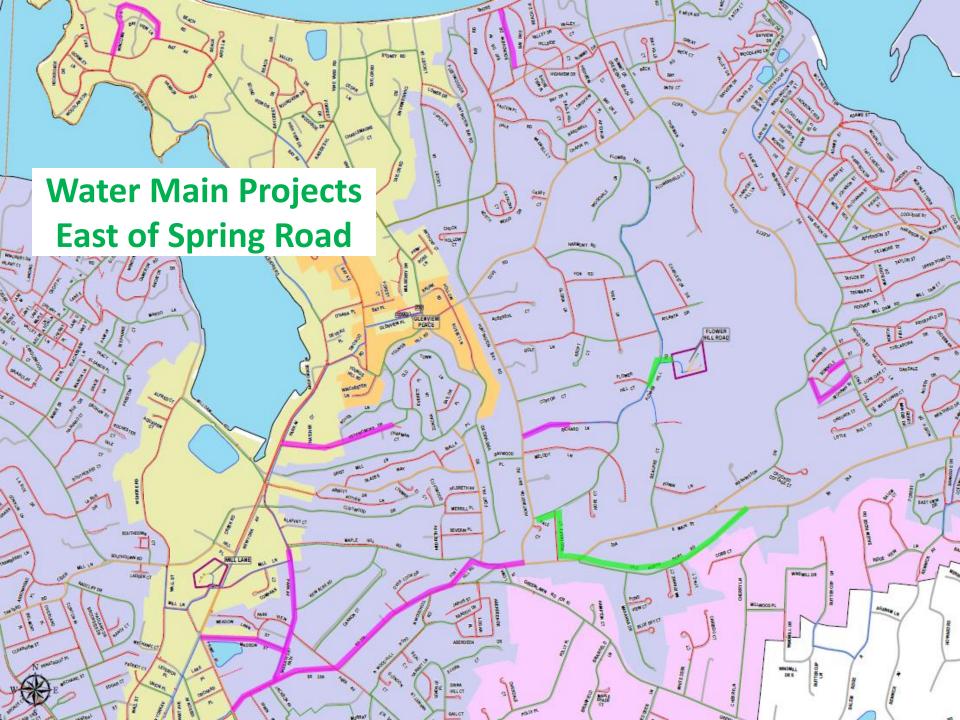


















# Water Quality Thomas Schneider

- Inorganic Laboratory Manager



# **SCWA Laboratory**

- SCWA's in-house standards for water quality are often more stringent than state or federal regulations.
- Tested for 387 compounds (about 250 more than required by regulators)
- Analyzed 53,000 samples last year for 165,000 tests.
- Testing at a higher frequency than required by SCDHS.

\*Test samples are taken at the wellhead, at various stages of treatment and within the distribution system for bacteria wide range of inorganic and organic chemicals.\*

### **Consumer Confidence Report**



#### 2018 DRINKING WATER OUALITY REPORT

For the period January 1, 2017 to December 31, 2017

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

Dear Suffolk County Water Authority Customer:

In the following pages, you'll find the Suffolk County Water Authority's 2018 Drinking Water Quality Report. This report provides you with all the data you need to assess the quality of your drinking water. And since the report is now distributed electronically, you can now find information about water quality in your community quickly and easily, with just a click of a mouse

The Suffolk County Water Authority once again this year has surpassed the tough water quality standards established by the U.S. Environmental Protection Agency and New York State Health Department, which both found our drinking water to be safe. You should know, though, that SCWA's internal standards for water quality are often far more rigorous than standards set by state and federal regulators. Providing our customers with drinking water that meets or surpasses all drinking water standards will always be our top priority. In 2017, our state-of-the-art laboratory tested for 387 chemicals—238 more than required by regulators—and analyzed approximately 53,000 samples that produced roughly 165,000 test results to make sure your drinking water is safe.

In addition to our test results, you will find inside this report other information about the quality of your water, as well as information about SCWA's Water-Talk initiative, which is a public education forum that gives Suffolk County residents the opportunity to hear from our water quality experts and ask questions about any water quality issues of concern. You will also find information about a unique collaboration between SCWA and Suffolk County towns within our service territory promoting sustainability and the SCWA Education Center in Hauppauge, which features exhibits that trace the journey of water from our sole source aquifer to your home or business.

If we can answer questions about the contents of this report, or if you wish to request a paper copy, please call our Customer Service center at 631-698-9500 and we'll be happy to assist you.

James F. Gaughran, Chairman, Suffolk County Water Authority

#### Here's What's Inside:

- Pages 2-3: how our water cycle works and information on the Suffolk County Source Water Assessment Program
- Pages 4-5: information on protecting our groundwater and the value of water and conservation
- Pages 6-7: a message from our Laboratory Director and a list of compounds not detected in our drinking water
- Pages 8-9: lists of SCWA wells placed in service and taken out of service and water treatment information
- · Page 10: what's new at SCWA
- Pages 11-23: educational information about the different constituents in drinking water, including various tables with our test results for bacteria, pharmaceuticals, disinfection byproducts, lead, copper, and radionuclides as well as important information for immunocompromised individuals and SCWA-e-billing information
- Page 24: SCWA unveils Hydration Stations
- Page 25: SCWA joins State and County Officials pushing for 1,4-Dioxane regulation
- Page 26: SCWA's education center
- Pages 27-28: how to review the water quality data for your area
- area index to find the water quality results for your home or business
- Page 37: notices for the water districts we operate
- Pages 38 and 39: a comprehensive map of our water distribution areas
- Pages 40-48: water quality data for all distribution areas and notices for the water districts we operate
- Page 49: SCWA contact information

#### Go to:

#### SCWA.com

To read the full Drinking Water Quality Report



Este informe contiene informacion muy importante sobre su agua de beber.

Traduzcalo o hable con alguien que lo entienda bien.

### Suffolk County Water Authority

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EDI

MY BUSINESS MY HOME Agenda and Minutes **Board Members Public Authority Information Executive Staff** Financial Reports **Job Opportunities** Click 2007-2011 Agenda and staii Minutes About Us ar **Our History** 

Mission

Events & Meetings

OUR ENVIRONMENT

News

Water Quality Reports

Water Quality Projects

Water Quality Information

Hexavalent Chromium Facts

Fraud Protection Alert

Title Search Information

Public Infor

**PUBLIC INFORMATION** 

Click on the links to the information about SCW is not found in any of the hesitate to call us at (6)

Register Fo

# **Distribution Sample Station**





# Emerging Contaminants (Unregulated)

- PFOS/PFOA
- Hexavalent Chromium
- 1, 4-Dioxane
- Pharmaceuticals
- Personal Care Products



# **Granular Activated Carbon (GAC)**



GAC tank



# WaterTalk

WaterTraq

Steven Colabufo, P.G.

-Water Resource Manager



#### What is LICAP?

■ The Long Island Commission for Aquifer Protection (LICAP) is a partnership of water resource professionals from Nassau and Suffolk Counties, including:

Water suppliers

Regulatory agencies

Government officials

Academia

Citizen groups



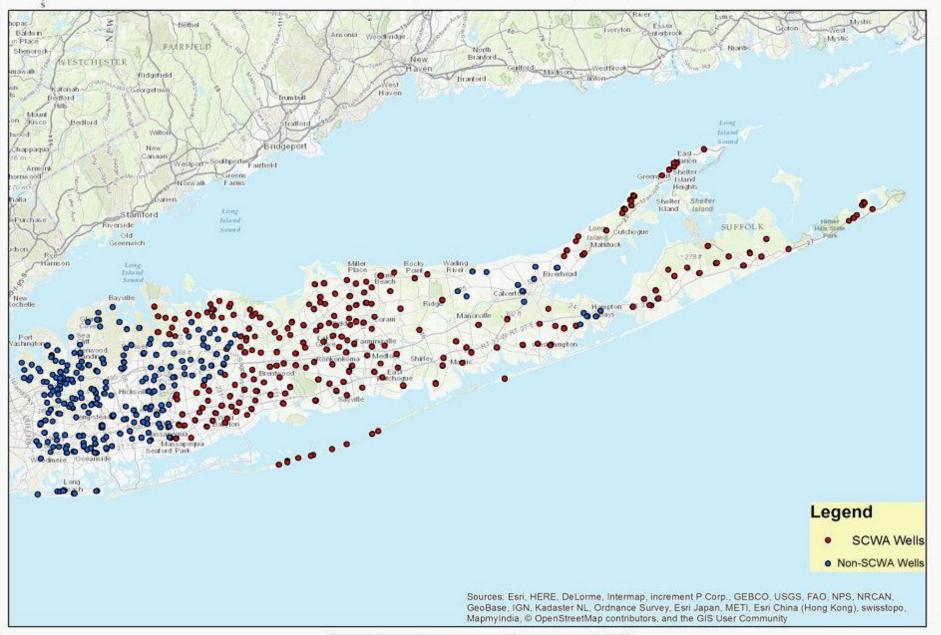
Long Island Commission for Aquifer Protection

LICAP was created through legislation passed by both the Nassau and Suffolk legislatures in 2013.

WEBSITE- http://liaquifercommission.com/

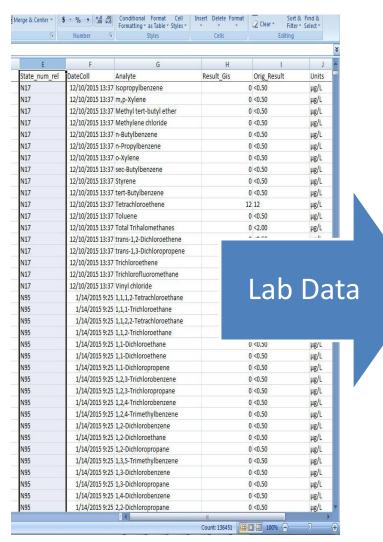
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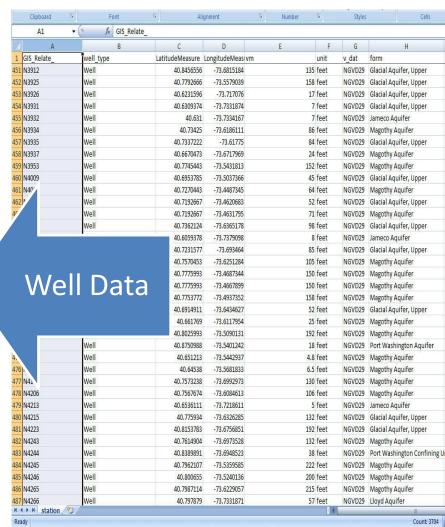
#### Public Supply Wells on Long Island



0 5 10 20 30 Miles

### WaterTraq

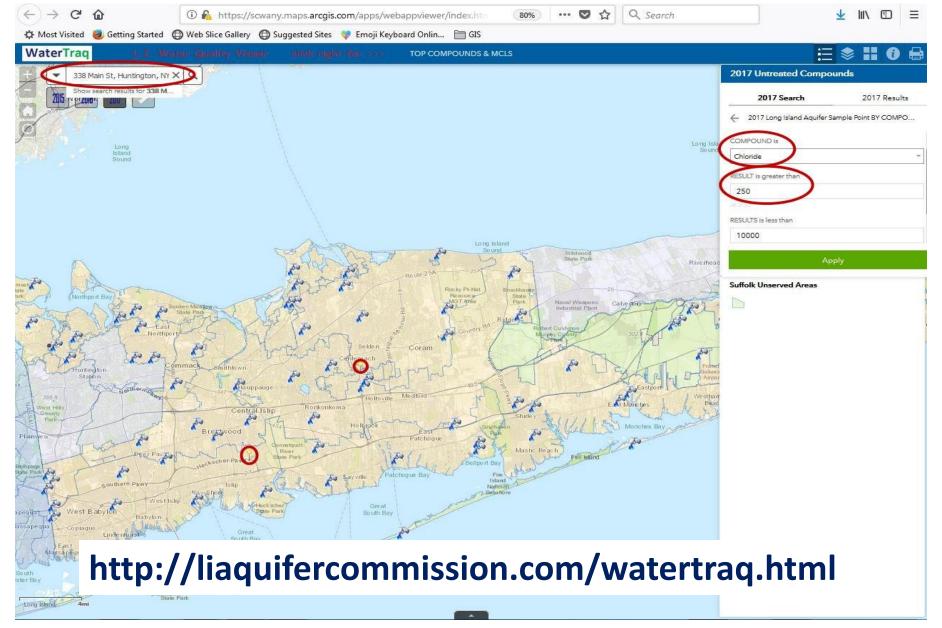




Allows easy access to public supply water quality data

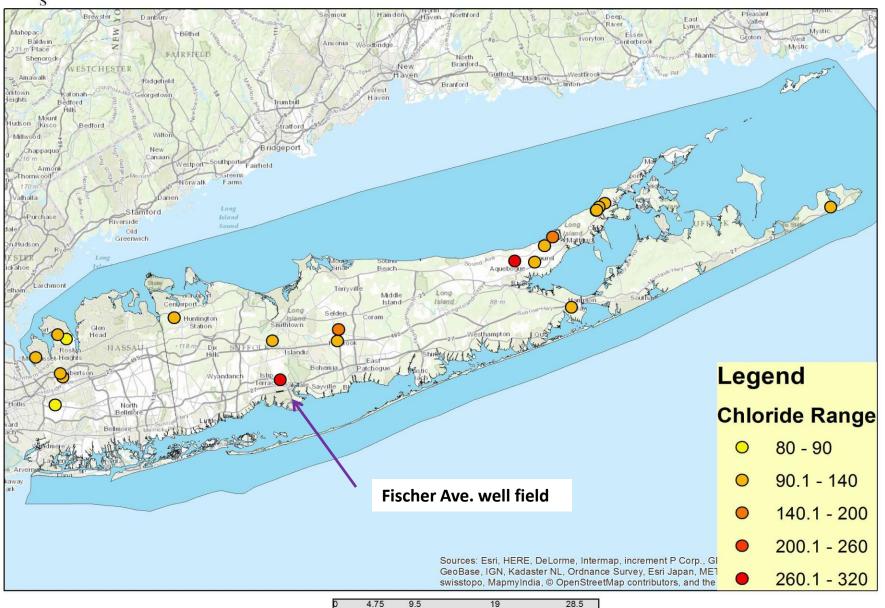


# Searching with WaterTraq

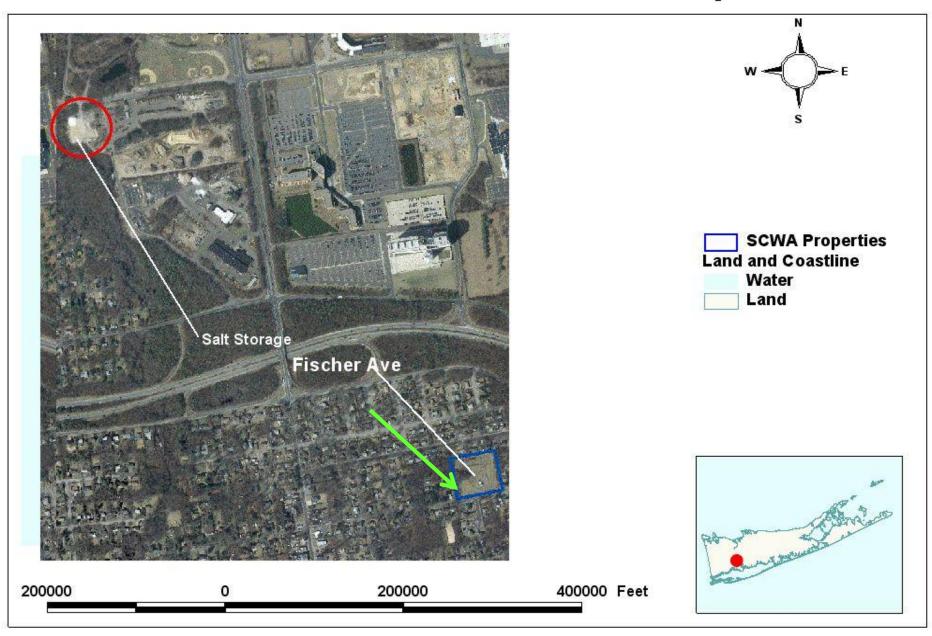


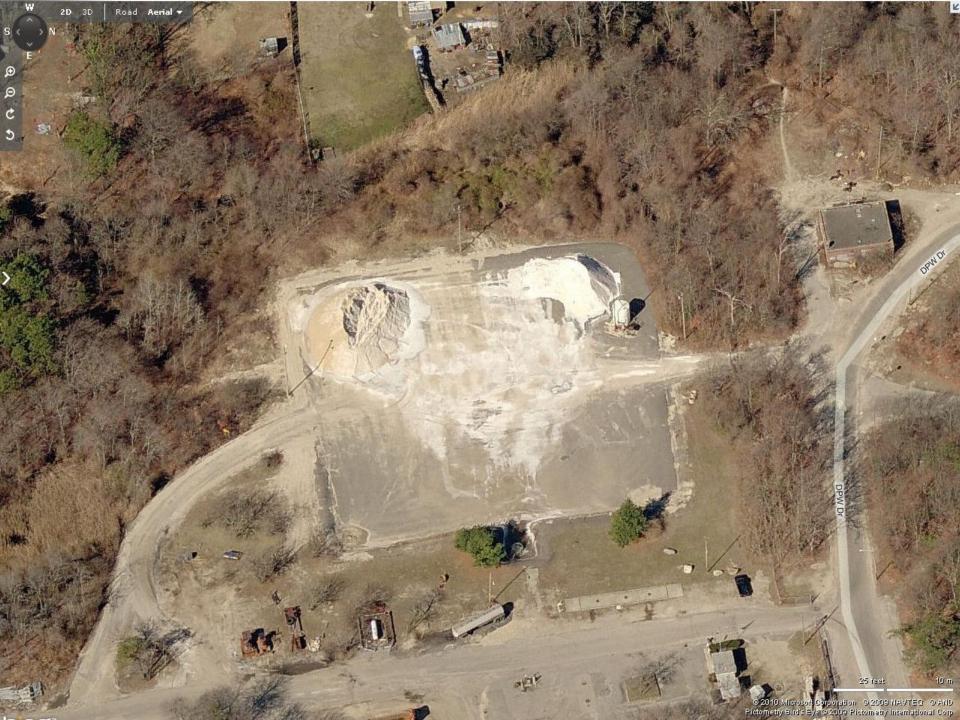


#### Chlorides in Long Island wells greater than 80 mg/l



#### Fischer Ave Wellfield Islip











# WaterTalk

Water Conservation
Steven Colabufo, P.G.

- Water Resource Manager



#### Why Should I Conserve Water?

Unlike severe drought states like California, Long Island is <u>not</u> in danger of running out of water.

#### However...

Higher peak water usage means more SCWA wells must be built just to meet summer peak demand.

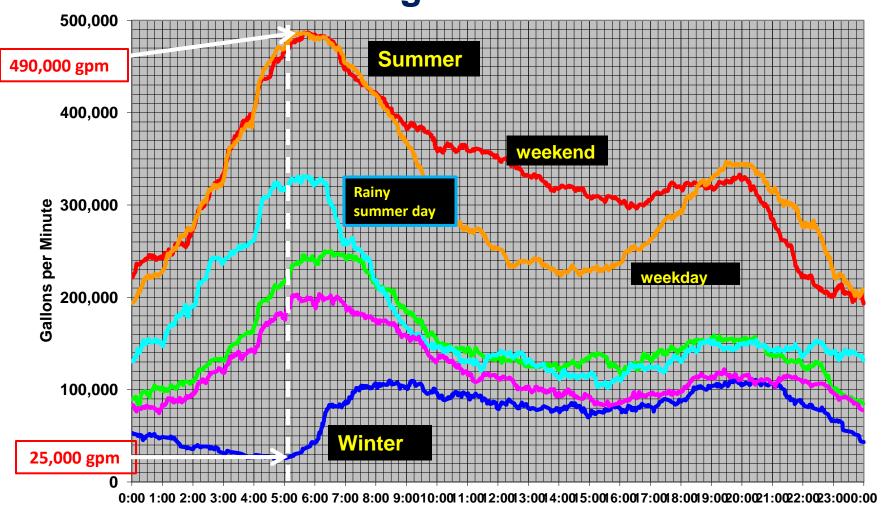
Meeting summer peak demand could impact fire protection as well.

#### Additionally...

SCWA budgets millions of dollars per year for well installations; costs that are ultimately passed on to our customers.

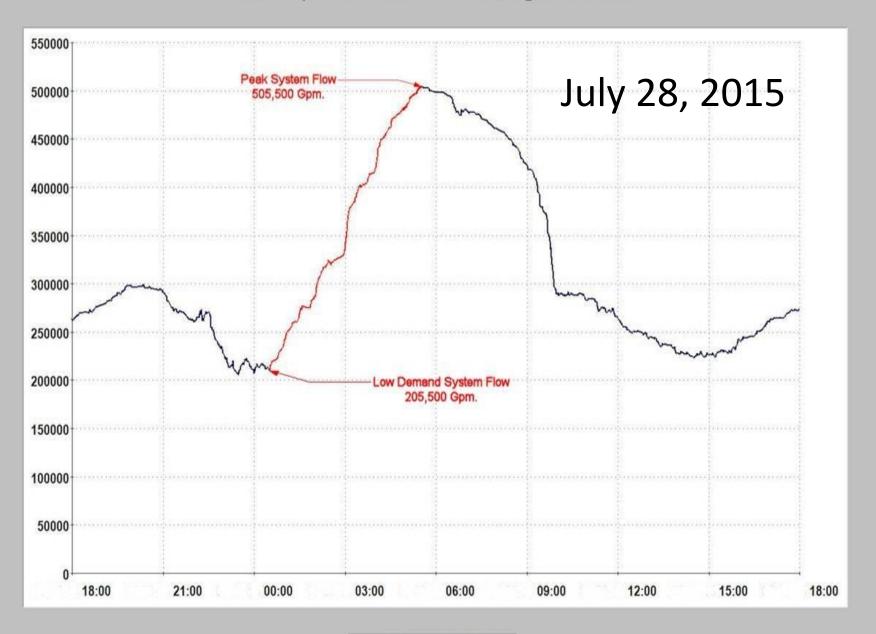
#### **Seasonal Water Use - SCWA**

The Irrigation Situation



0:00 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:0010:0011:0012:0013:0014:0015:0016:0017:0018:0019:0020:0021:0022:0023:000:00 Time

#### Total System Flow - Gallons per minute



### The Big Picture

 Average residential customer uses just under 130,000 gallons annually.

 Largest residential user consumed approximately 22 million gallons last year.

(Primarily Irrigation and Geothermal HVAC system)



### **Water Conservation Tip**

#### Odd/Even Day Watering

-Residents with even addresses water lawns on even days, odd numbered houses on odd days.





### **Water Wise Club**

Qualify to receive account credits of up to \$50 per household:

- □ Rain sensor device- Up to \$50
  □ Irrigation timer- Up to \$50
  □ EPA WaterSense shower head- Up to \$10
  □ Faucet aerator- Up to \$10
- Multiple devices may be purchased, but the maximum account credit is \$50.
- Original receipts are required and devices must be purchased in 2018.
- •Go to <u>www.scwa.com/eastendwaterclub</u>



# Water Wise Checkups

- The Water Wise Checkup program is a free service provided by the Authority. One of our water experts will come to your home for a one-on-one consultation.
- The goal is to identify and quantify previously unaccounted for water losses, providing you with a road map for potential savings.
- DEC is asking all Long Island water suppliers for a 15% reduction in peak summer pumpage.

#### Sign up using our online form

Call: (631) 292-6101

Email: WaterWiseCheckup@SCWA.com

Direct Message us on: Facebook @SCWAwater Twitter @SuffolkWater



### **Water Wise**



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#### Total Line

Save my login information

Register Forgot Username/Password

#### A Message from the Chairman:

The Suffolk County Water Authority is proud to release its capital and operating budgets for the 2018 fiscal year. You can read the full document at the link at the bottom left of this page. We hope you'll find the document easy to read and the important financial information about our budgets and operations easy to find.



This year's budgets, while lean and with an eye on keeping costs down and water rates low, also provide vital funding to ensure the safety of the public water supply and improvements to its distribution throughout our vast service territory. Included in our spending plan for this fiscal year are funds to open and operate the first-of-its-kind in New York State Advance Oxidation Process to remove the unregulated contaminant 1,4-dioxane from groundwater; complete our tenyear conversion to Automated Meter Reading technology, which will ultimately eliminate estimates of water use and provide our customers with vital consumption information; and construct a new two million gallon storage tank at our Laurel Lake property that will help us to meet demand on the North Fork.

Our continued efforts to cut costs wherever possible have enabled us to keep water rates among the lowest in the country. In fact, a recent study of the largest water suppliers in the country listed the Suffolk County Water Authority as among the 10% least expensive. And we're very proud to announce that this past fall, SCWA became one of only approximately 75 of 20,000 water suppliers nationwide with two AAA ratings from the major credit-rating agencies.

If we can answer a question for you about the safety of the water supply we provide you, the contents of these budget documents, or any other aspect of our operations, please do not hesitate to contact us.

James F. Gaughran - Chairman

#### SCWA Recent News



Oct 27, 2017
Fire Academy Honors SCWA
for Two Decades of Support
New York Wildfire & Incident
Management Academy
Celebrates 20th Anniversary.
Read More



Oct 23, 2017 CEO Szabo Re-Elected to AMWA Board Association of Metropolitan

Association of Metropolitan Water Agencies votes top SCWA executive to second term.Read More



Oct 10, 2017 SCWA Awarded more than \$2

Million in Grants Under State Water Infrastructure Program Funds Will Help Pay for the Removal of 1,4-Dioxane and the Extension Of Nearly 7,000 Feet of Water Main in East Farmingdale Read More

View Recent News

#### NEW! Tours: Education Center and Laboratory

Reserve today. Click here!

#### Contracts/Bid Notices

Current Bids, Bid Results and Vendor Registration. Click here!

#### **Customer Service**

A List of All Key SCWA Phone Numbers. Click here!

#### Maintenance Announcements

Rusty water? Check to see if pipeline work in your area could be causing the problem. <u>Click here!</u>

#### Water Main Breaks

A list of active water main repairs. Click here!

#### **Career Opportunities**

A List of All Current Job Openings. Click here!

#### Water Wise Program

To schedule your free checkup Click here! To Qualify for an account credit Click here!

### **More Water Conservation Tips**

- •Reducing shower times to less than five minutes can save as much as 1,000 gallons a month.
- •A family of four that turns off the faucets while brushing their teeth can save up to 200 gallons.
- •Fix leaky faucets and spigots.
  One drip per second wastes
  1,661 gallons a year.











# WaterTalk

Questions?

