



WaterTalk

Your Questions,
Our Answers About Vital
Drinking Water Topics





WaterTalk

Elizabeth Mercado

-SCWA Board Member



Why WaterTalk?

- There's a lot of information out there about drinking water quality. It can be confusing, so we want to make sure you're getting accurate information.
- So a few years ago we created this forum which we hold in communities all throughout our service territory, from Melville to Montauk.
- Tonight, you'll hear from on-staff experts about topics vital to the protection and preservation of our drinking water supply.
- For instance, you'll hear about the steps our laboratory takes to make sure your drinking water is always safe.



Why WaterTalk?

- We'll talk about the local infrastructure that provides your water.
- We'll talk about a program we developed called WaterTraq that lets you monitor water quality from home.
- And we'll talk about what we're doing to encourage the judicious use of our water resources.
- Most importantly, we're here to take your questions.



What SCWA is...

- 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 SCWA is...

- SCWA has the **lowest water rates** in the country when factoring cost of living (*Goldman Sachs, 2018*).
- SCWA's **two AAA Bond Ratings** (*Fitch and S&P*) put us in the top 1 percentile of the nation's 20,000 water suppliers for fiscal responsibility.



What SCWA is 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 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

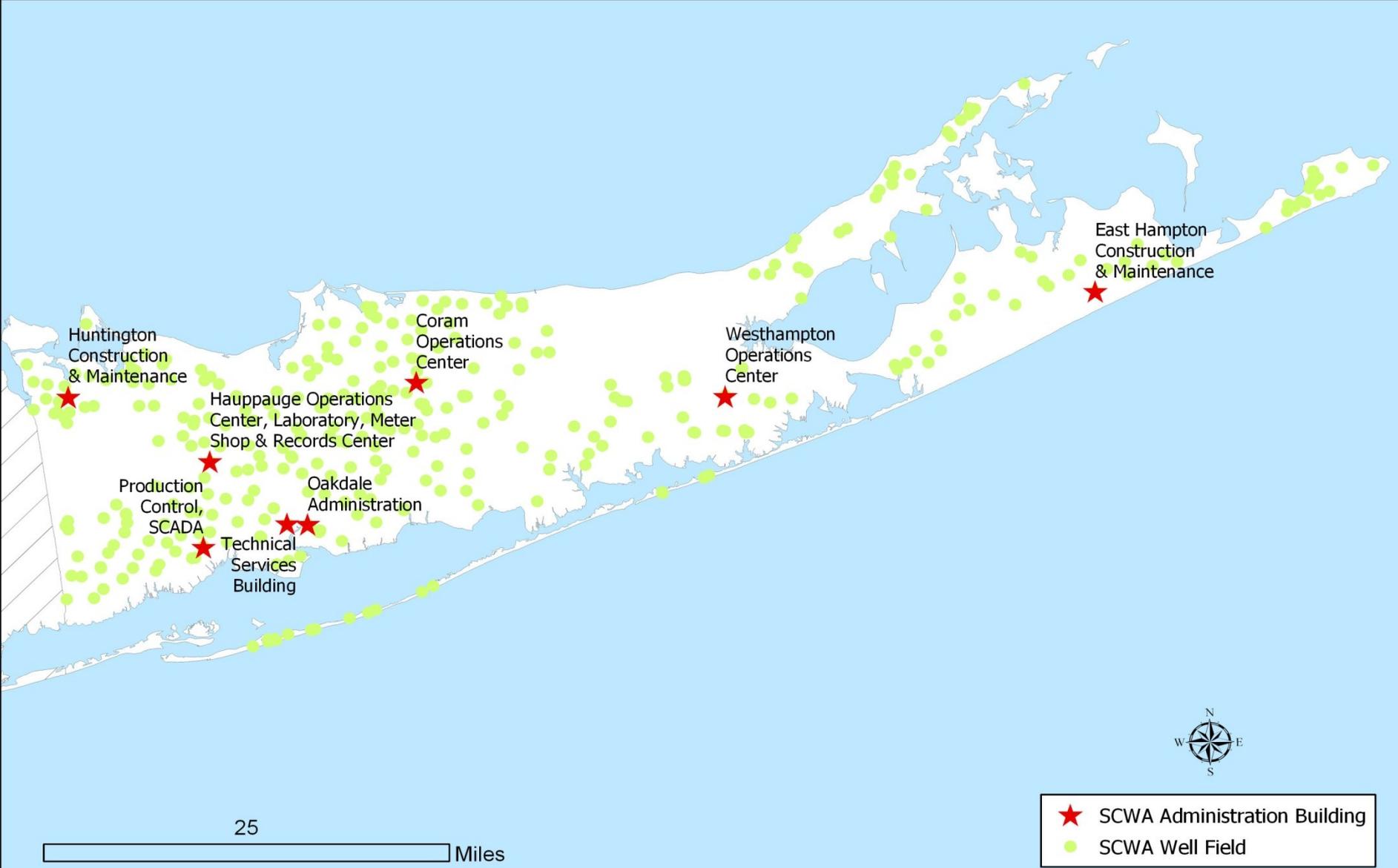
Water Infrastructure

Joseph Pokorny, P.E.

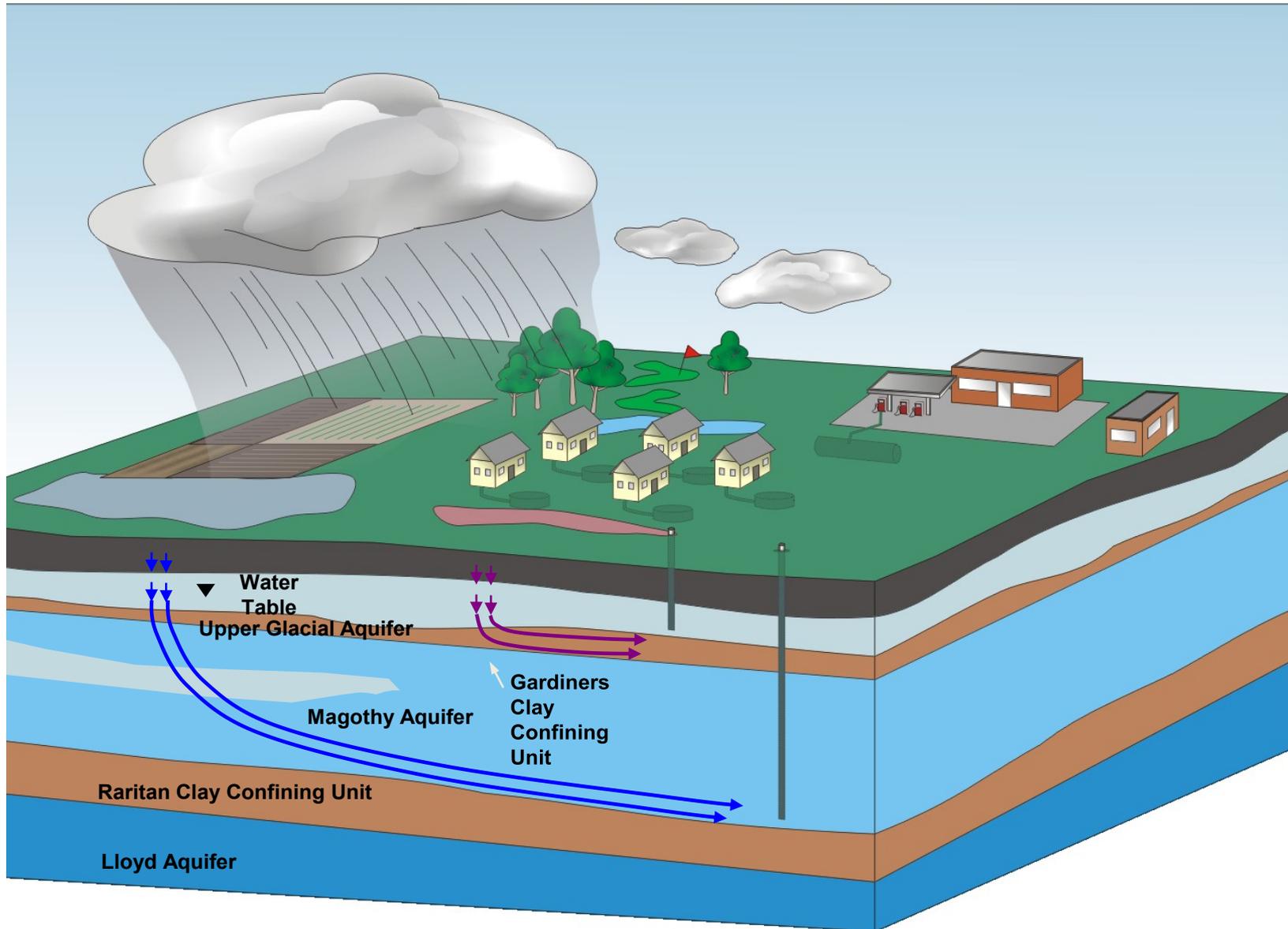
-Deputy CEO for Operations



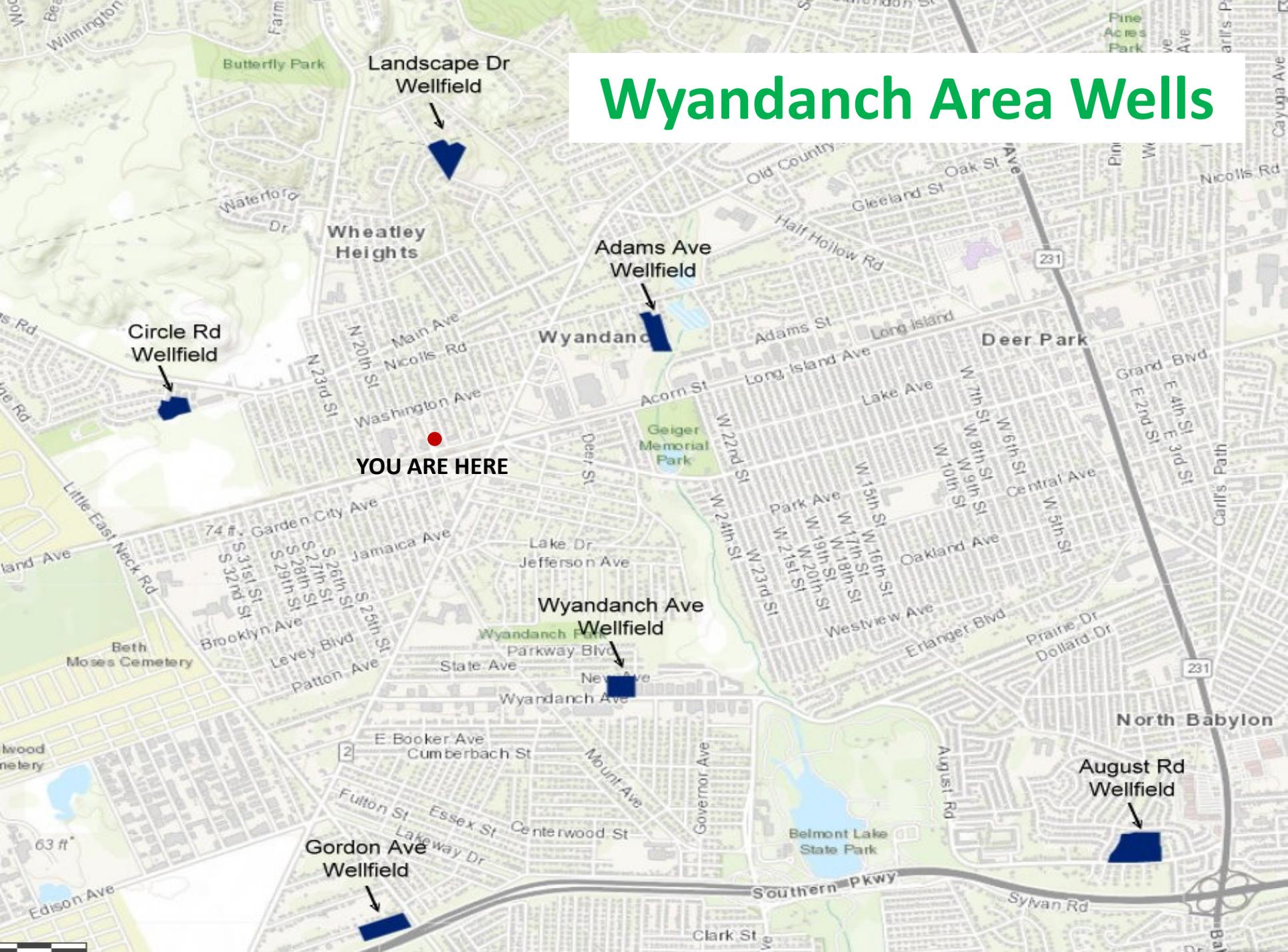
SCWA Service Territory



Source Water – Where Does Our Water Come From?



Wyandanch Area Wells





Wyandanch Well Improvements

- August Rd- Replacement Well 3a (2016)
- Circle Drive- Replacement Well 3a (2016)
- Wyandanch Ave- Well 2a reconditioning (2013)
- Adams Ave- Planned Replacement Well (2020)



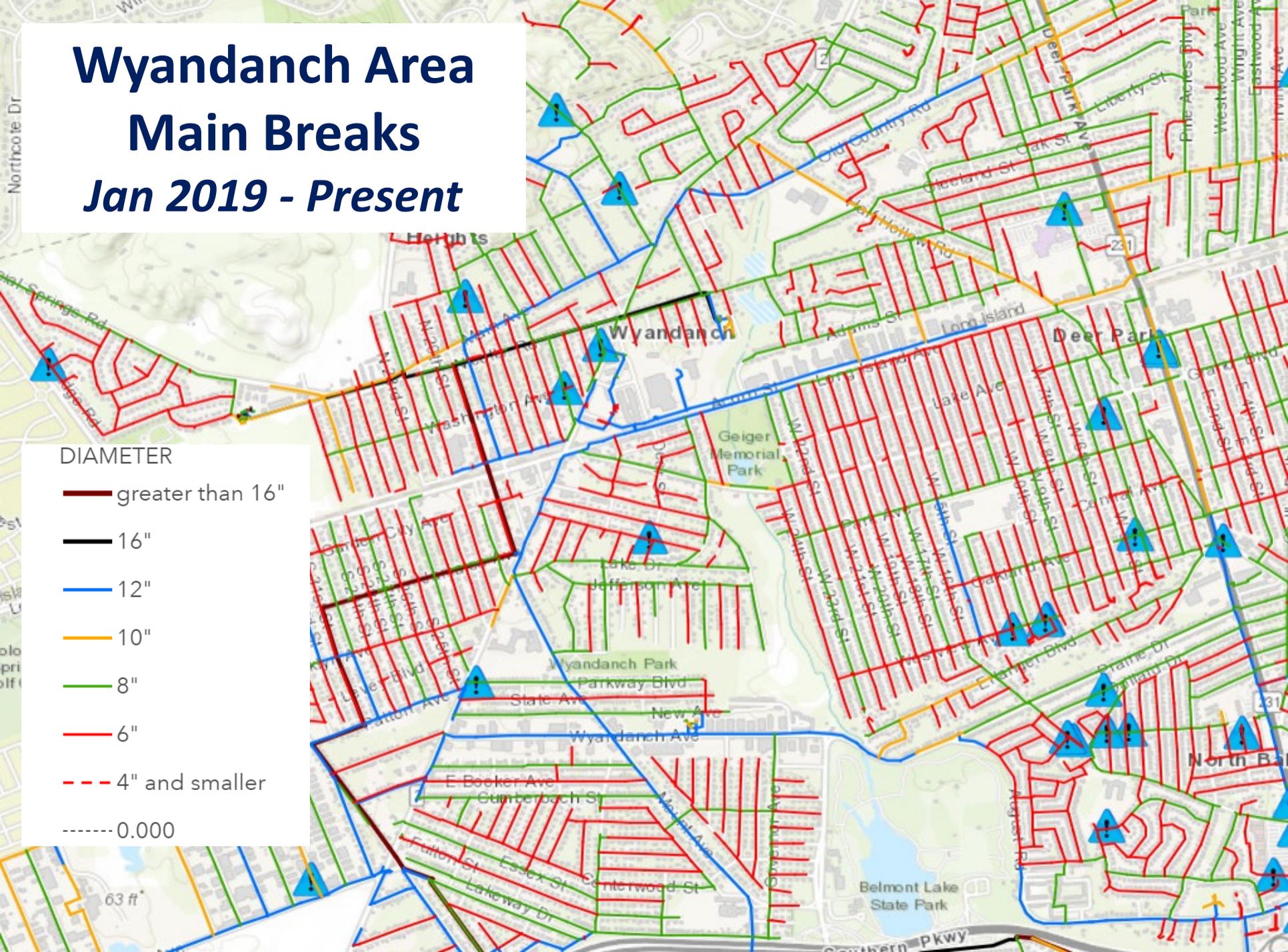
Water Main Break Excavation



Wyandanch Area Main Breaks Jan 2019 - Present

DIAMETER

- greater than 16"
- 16"
- 12"
- 10"
- 8"
- 6"
- - - 4" and smaller
- 0.000





WaterTalk

Water Quality

Christopher Niebling

-Laboratory Manager



SCWA Laboratory

- SCWA's in-house standards for water quality are often **tougher than** state or federal regulations.
- Tested for **400** compounds (**251 more than** required by regulators)
- Analyzed **55,000** samples last year for 167,000 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.



Distribution Sample Station



Consumer Confidence Report



SUFFOLK COUNTY WATER AUTHORITY

www.scwa.com

2018 DRINKING WATER QUALITY 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
- Pages 29-36: a water distribution 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 información muy importante sobre su agua de beber.
Tradúzcalo o hable con alguien que lo entienda bien.



Iron/Manganese Filtration

(August Rd Wellfield)





WaterTalk

WaterTraq

Ty Fuller

-Lead Hydrogeologist

-Director of Strategic Initiatives



WaterTraq

- WaterTraq is an online GIS-based water quality database from the Long Island Commission for Aquifer Protection (LICAP).
- Users can search by address, or by contaminant at: LIAquiferCommission.com.
- Water quality data is pulled from:
 - Wells
 - Laboratory
 - SCWA, all other Long Island suppliers.



Searching with WaterTraq

WaterTraq Long Island Water Quality Viewer CLICK FOR TOP COMPOUNDS & MCLS

295 Merritt Ave, Wyandandl X

Show search results for 295 Merritt Ave...

2015-2017 Untreated Compounds X

Tasks	Results
← Long Island Aquifer Sample Point BY COMPOUND (...)	
COMPOUND is	Chloride
RESULT is greater than	250
RESULT is less than	

Apply

<http://liaquifercommission.com/watertraq.html>



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Water Conservation

Ty Fuller

-Lead Hydrogeologist

-Director of Strategic Initiatives



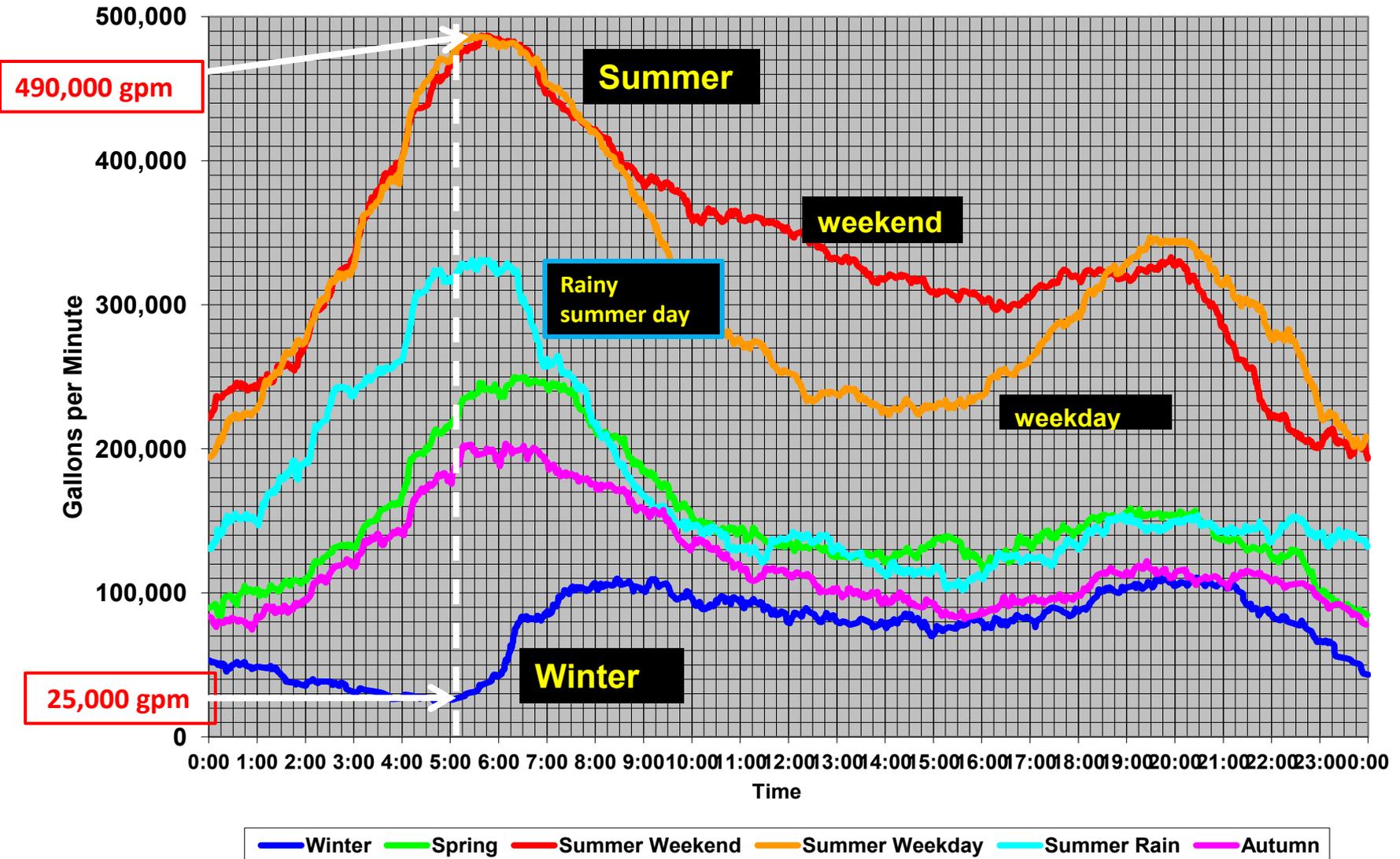
Why Should I Conserve Water?

- Long Island has a sufficient, but not limitless supply of groundwater.
- Higher water usage means more SCWA infrastructure, which means more costs that are passed along to customers.
- Higher peak water usage impacts pressure and therefore fire protection.
- Over-pumping can have negative water quality impacts.



Seasonal Water Use - SCWA

The Irrigation Situation



Average User vs. Water Waster

- Average residential customer uses just under 130,000 gallons annually.
- Largest residential user consumed approximately 22 million gallons in 2016. *(Primarily Irrigation and Geothermal HVAC system)*
- A hospital in the same community used approximately 14.5 million gallons last year.



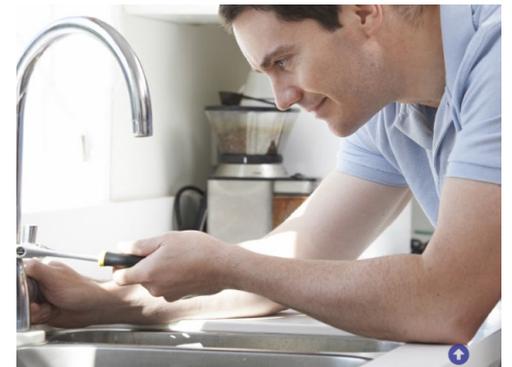
SCWA Tiered Rate Structure

- SCWA in April created a tiered rate structure to encourage the public to conserve our sole source aquifer that provides all of our drinking water.
- The rate is similar to others around the country and is designed to keep water rates as low as possible for those who don't use excessive water.
- How it works: Customers with meter sizes of one inch or smaller (the vast majority of SCWA customers) will pay the standard water rate of \$2.03 per thousand gallons up to 78,540 gallons per quarter.
- Customers who exceed water usage of 78,540 gallons will be charged \$2.34 per thousand gallons for every gallon over that threshold.



Water Conservation Tips

- 1) Be smart about watering your lawn with smart irrigation controllers and rain sensors.
- 2) Water less often.
- 3) Use EPA WaterSense products.
- 4) Shorten your showers.
- 5) Detect & fix leaks.



Water Conservation Tips

6) Shut off the tap when brushing teeth.



7) Fully load washing machines & dishwashers before running.



8) Keep you plants moist with mulch.

9) Don't hose it off if another tool will work.



10) Go to the car wash instead of using the hose.

Water Wise Programs

- The **Water Wise Checkup program** is a free service. One of our water experts will come to your home for a one-on-one consultation and develop a personalized plan to help you save water.
- **SCWA Water Wise Club** offers account credits up to \$50 for the purchase of water-saving devices. Participants send in a form along with their receipt.

Sign up or learn more at SCWA.com

Call: (631) 292-6101

Email: WaterWiseCheckup@SCWA.com

Direct Message us on:

Facebook @SCWAwater

Twitter @SuffolkWater



Our Water Our Lives Campaign



DID YOU KNOW?
Saving water is easy. In fact, there are a number of small steps you can take to make a HUGE IMPACT. Follow the 10 steps below to lower your water bill and help save Long Island's ONLY drinking water supply.

THE STEPS TO SAVING WATER

1 BE SMART ABOUT WATERING YOUR LAWN WITH SMART IRRIGATION CONTROLLERS AND RAIN SENSORS.

It's never been easier to have technology help you determine when your lawn needs to be watered. Rain sensors and smart irrigation controllers make sure lawns only get watered when they actually need it, eliminating wasteful overwatering and saving you money.

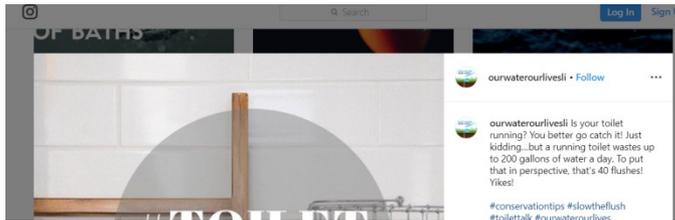
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OUR WATER OUR LIVES
OUR ONLY DRINKING WATER SOURCE

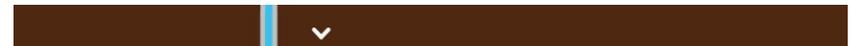
f t @ **3333** PLEDGES SO FAR

HOW TO HELP OUR AQUIFER PLEDGE SHARE IDEAS CONTACT

HELP SAVE LONG ISLAND'S ONLY DRINKING WATER SOURCE!



WWW.OurWaterOurLives.com





WaterTalk

Questions?

