



AQUARION
Water Company

Rye Select Board Meeting
July 13, 2020

Carl McMorran, Operations Manager



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Agenda

- **Water Service**
 - **Reliability**
 - **Safety**
- **Operations**
- **Capital Improvements**
- **Covid19**



Service Area

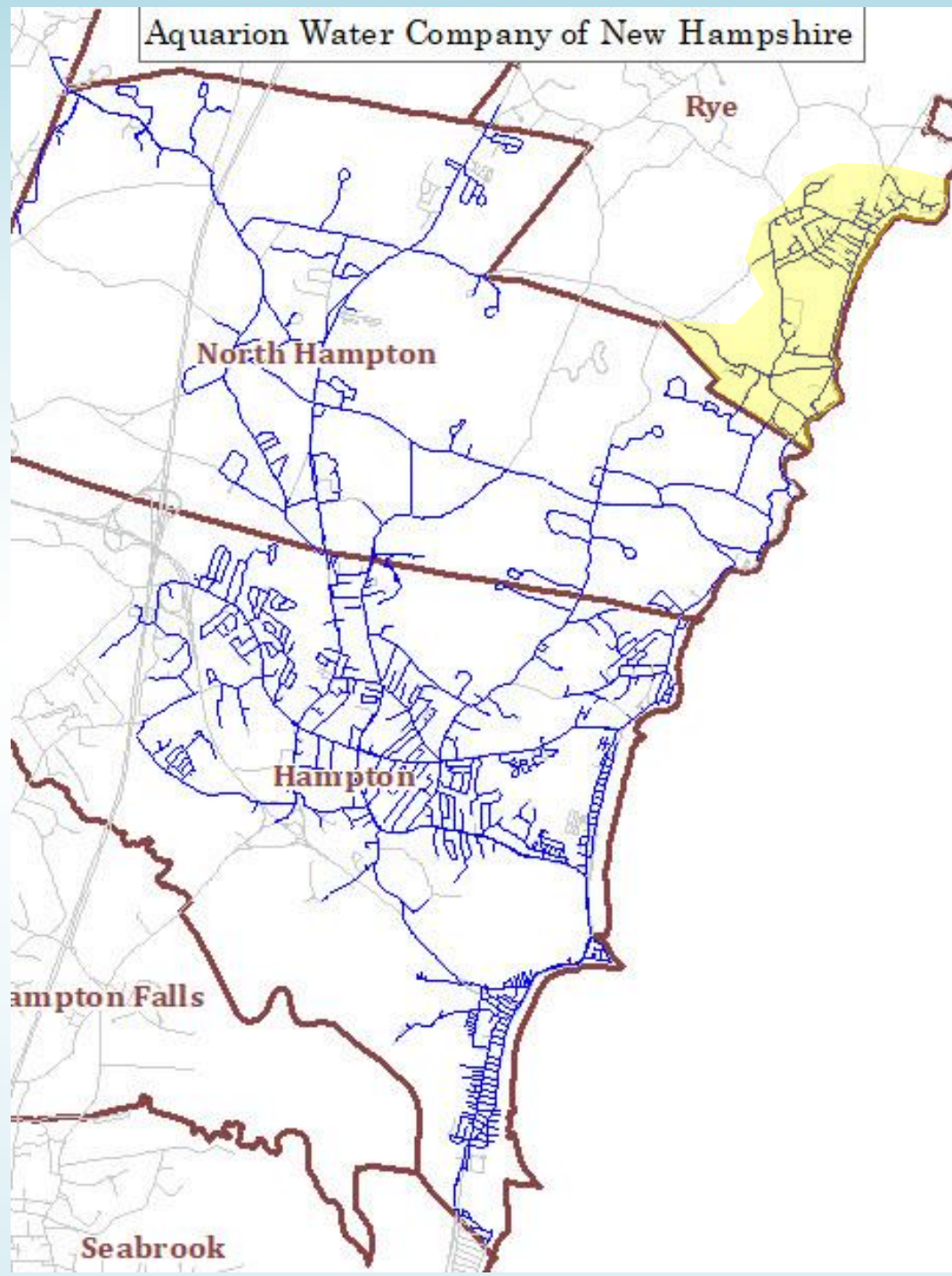
Hampton

North Hampton

Rye

Jenness Beach Precinct

Rye Beach Precinct





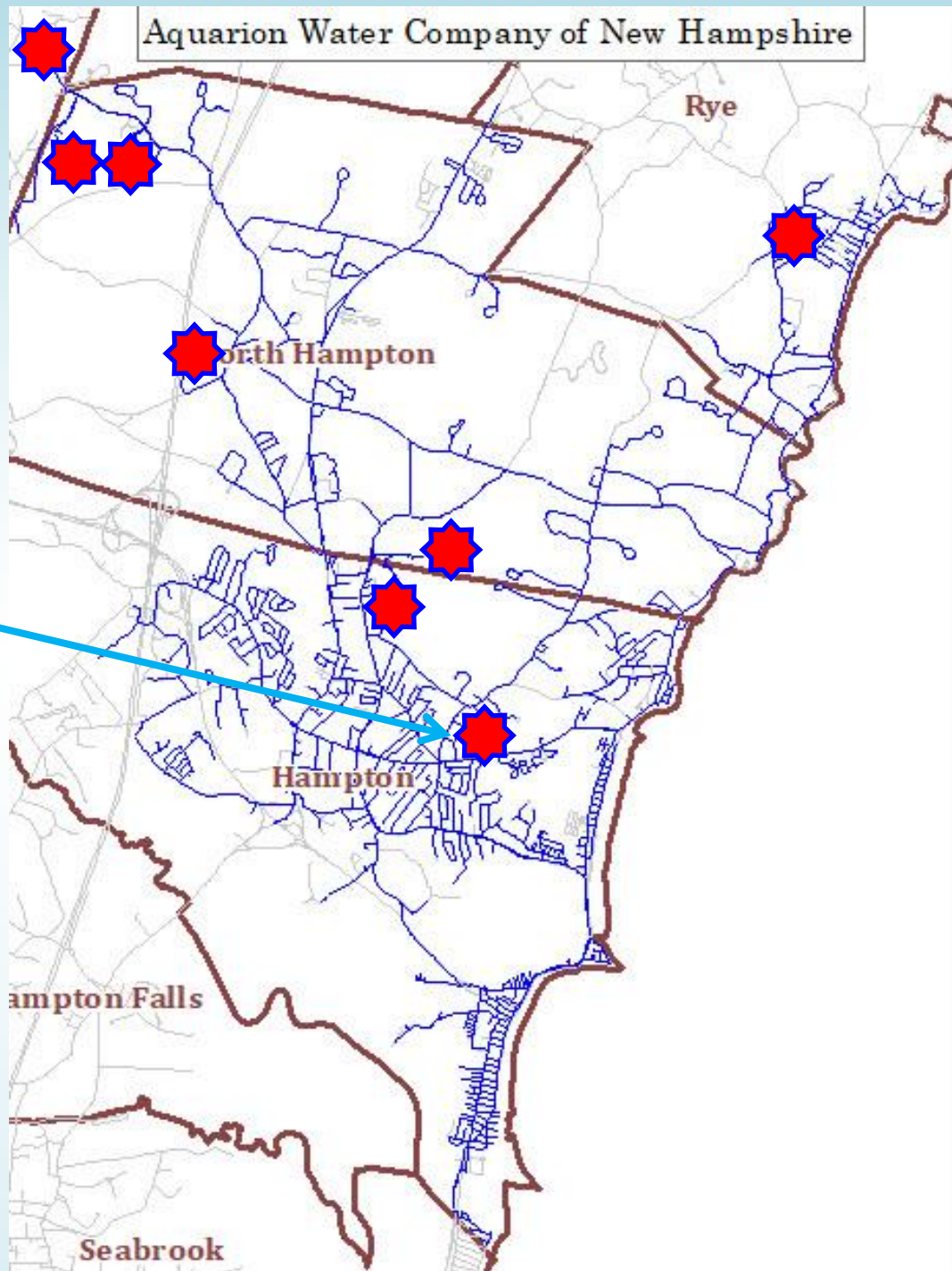
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Water Sources

17 Wells

Well 22

1 million gallons
per day



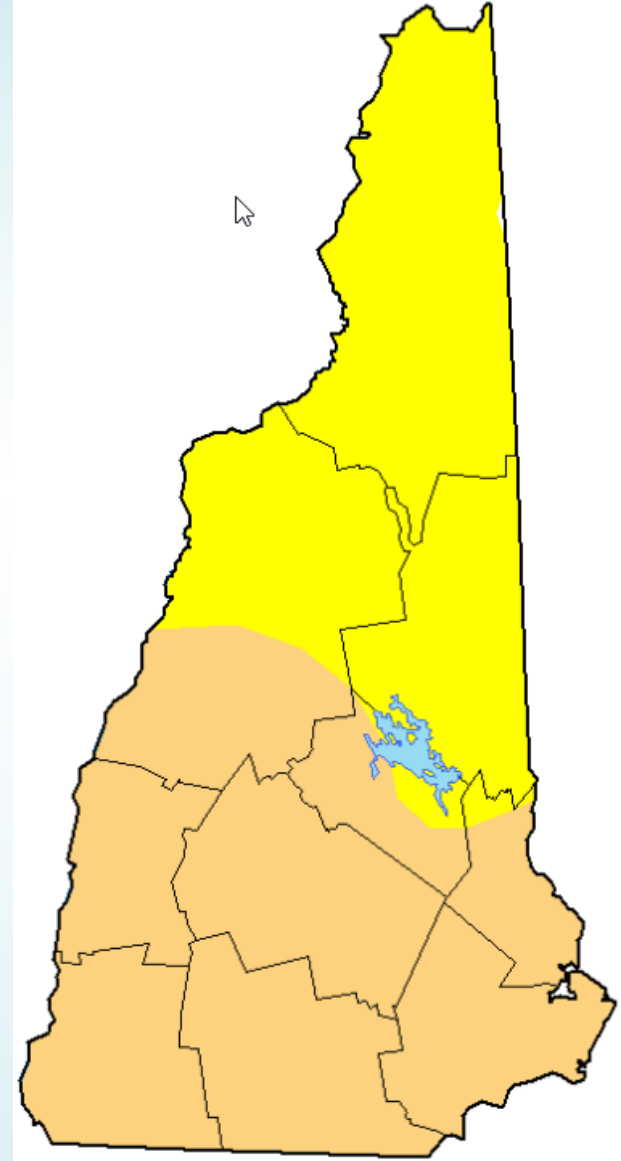


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Moderate Drought

<https://droughtmonitor.unl.edu>

- Expected to persist through the end of July
- No outside water use restrictions (yet)
- Follow Best Practices for Outside Watering
 - www.aquarionwater.com/conserve





Service Area

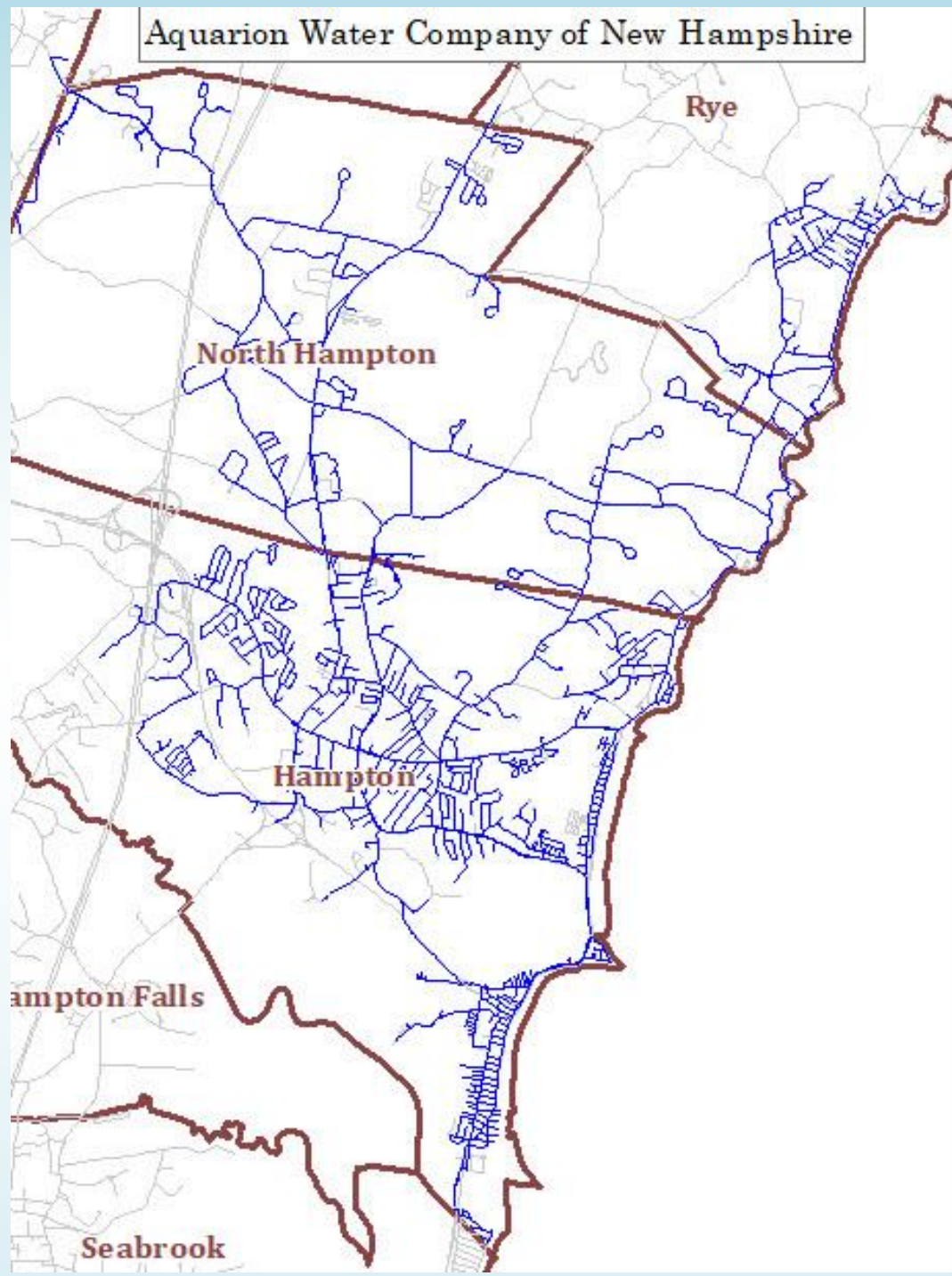
**137 miles of underground
water pipes**

**8,200 year-round service
connections**

**700 seasonal service
connections**

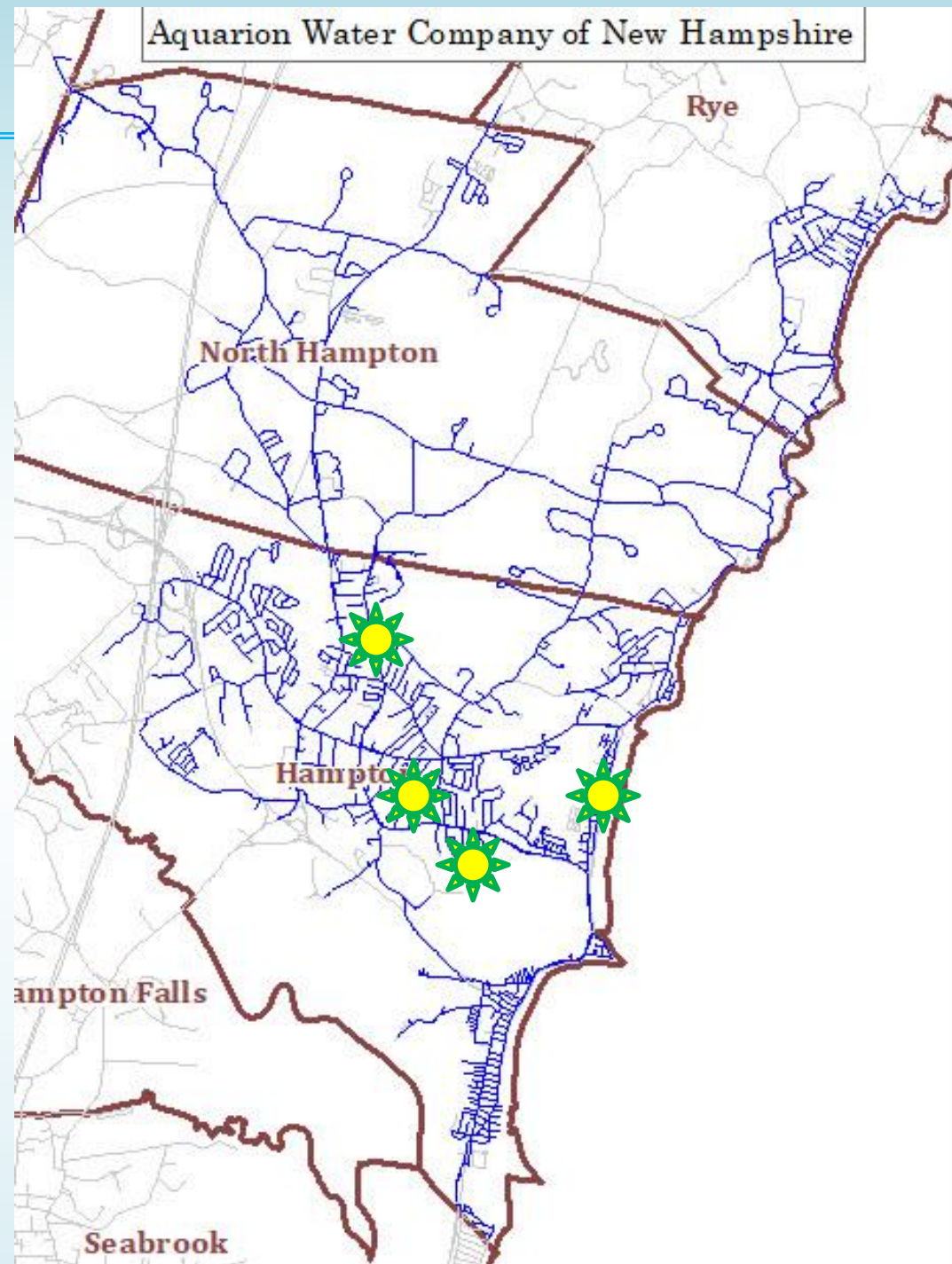
500 public hydrants

**400 private hydrants and fire
services**



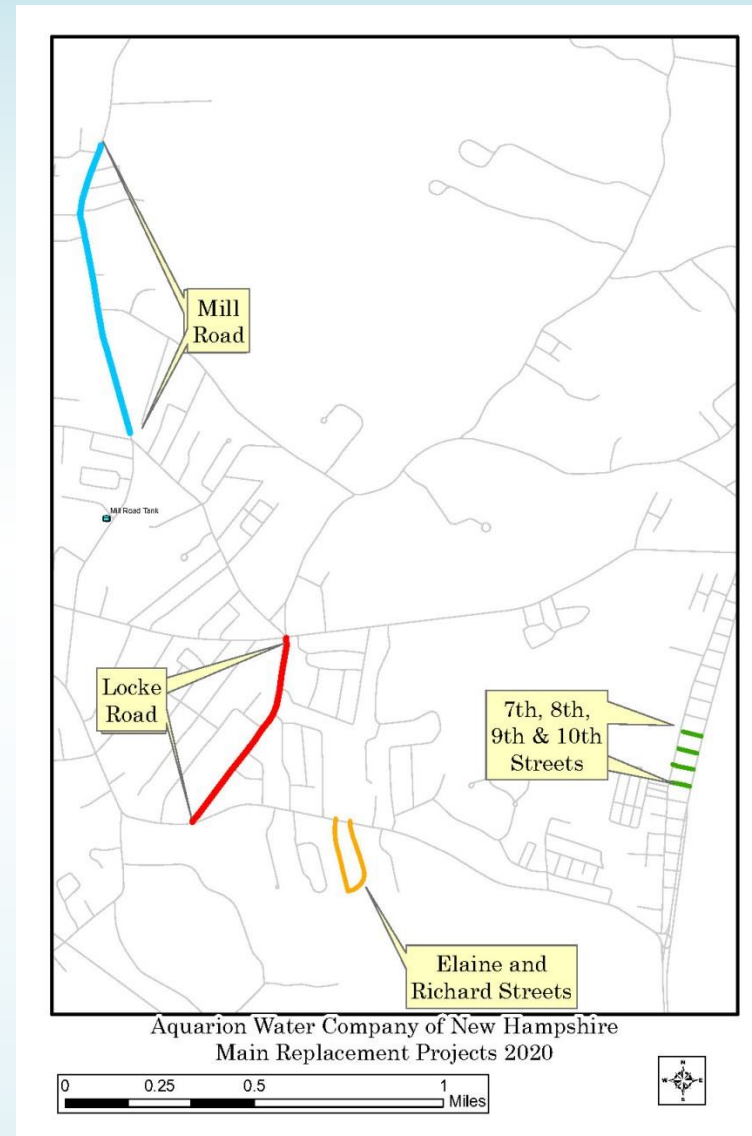
Main Replacements

- 2020 Projects



Main Replacements

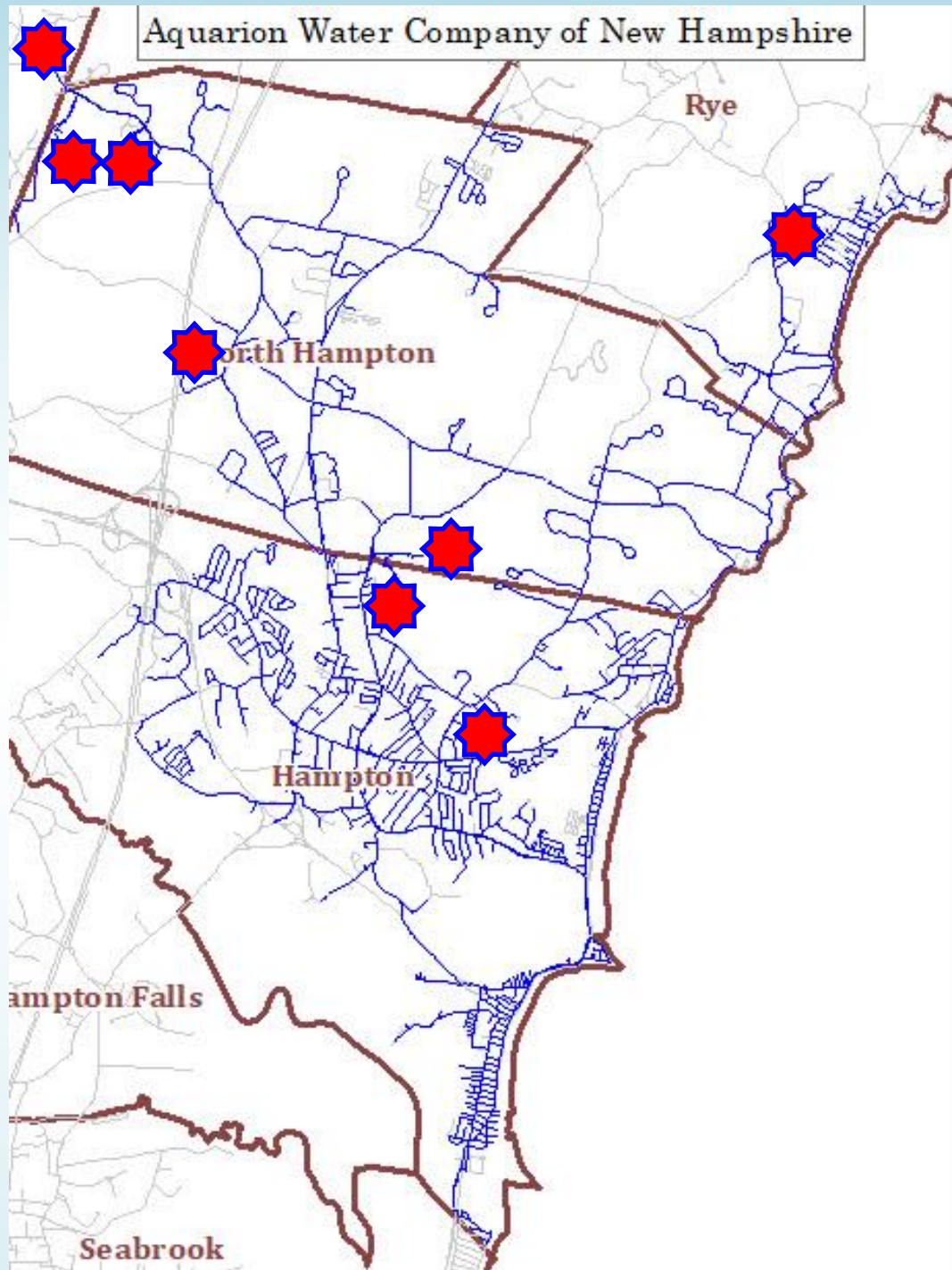
- Prioritizing older pipe materials that are prone to leaks and breaks
- Asbestos-cement – 1950s & 1960s
 - Mill Road
 - Anns Lane to Reddington
 - Coordinated with Hampton sewer & drain projects
 - Locke Road
 - Elaine Street
 - Richard Street
- Galvanized iron – 1930s
 - 7th, 8th, 9th & 10th Streets





Water Treatment

17 Wells





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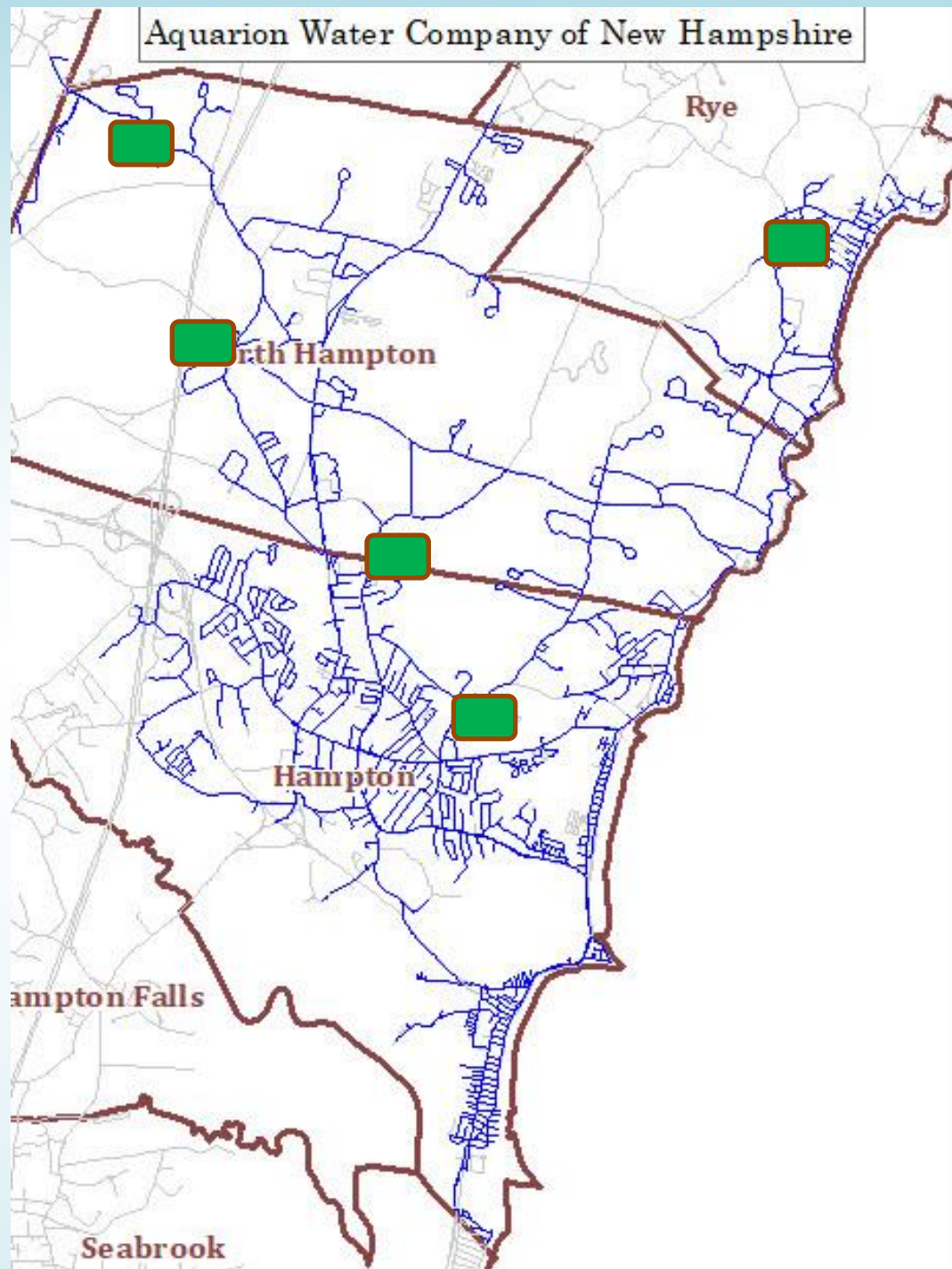
Water Treatment

5 Water Treatment Facilities

Disinfection

Covid19

Corrosion Control





Stewards of the Environment™

2019 Water Quality Report

*Hampton, North Hampton
and Rye System*

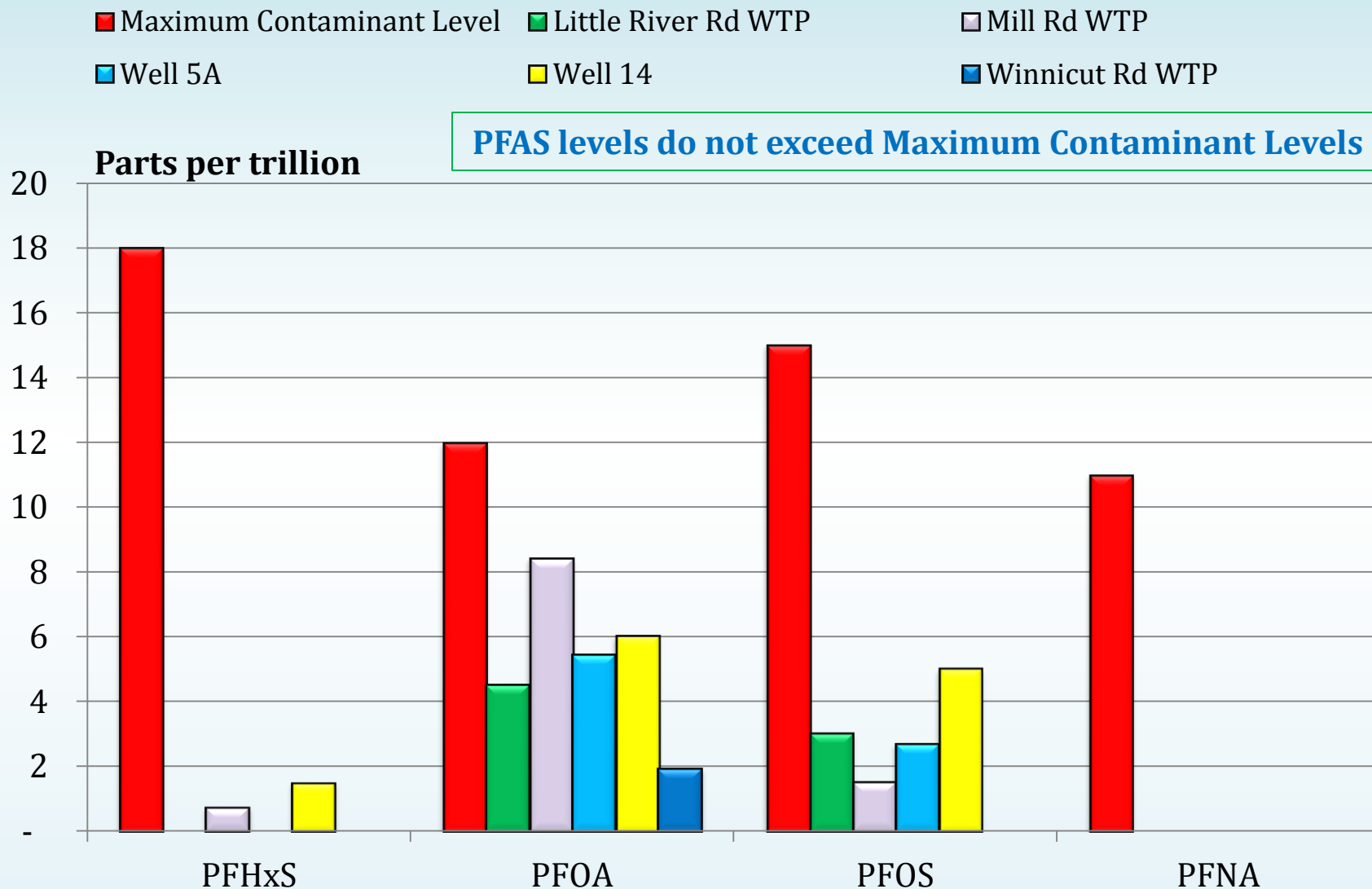


Water: It's Too Precious To Waste.



				Hampton, North Hampton and Rye System Detected Level		
Substance (Units of Measure)	Highest Allowed by Law		Violation	Test Date	Average	Range
	MCLG	MCL				
Inorganic Compounds						
Arsenic (ppb)	0	10	NO	quarterly, 2019	3	ND < 1 – 6
Barium (ppm)	2	2	NO	7/11/17, 7/18/17, 8/15/18, 4/2/19	0.021	0.012 – 0.041
Copper (ppm)	1.3	AL = 1.3	NO	4/6 – 5/19/17	0.72*	
Fluoride (ppm)	4.0	4.0	NO	7/11/17, 7/18/17, 8/15/18, 4/2/19	0.03	ND < 0.01 – 0.19
Lead (ppb)	0	AL = 15	NO	4/6 – 5/19/17	1**	
Nitrate (ppm)	10	10	NO	4/2/19, 7/9/19, 7/16/19, 8/6/19	1.43	0.53 – 3.40
Microbials						
Total Coliform	0 positive samples per month	1 positive sample per month	NO	8/6/2019, 8/21/2019	0^	0 – 3
Disinfectant						
Chlorine (ppm)	MRDLG 4	MRDL 4	NO	monthly, 2019	0.61	ND < 0.05 – 1.41
Organic Compounds						
Total Trihalomethanes (ppb)	NA	80	NO	7/23/19	32***	13 – 32
Total Haloacetic Acids (ppb)	NA	60	NO	7/23/19	5***	2 – 5
Radiologicals						
Combined Radium (pCi/L)	0	5	NO	7/18/17, 4/2/19	1.05	ND < 1.0 – 1.4
Secondary Contaminants						
Chloride (ppm)	NA	SMCL = 250	NA	7/11/17, 7/18/17, 8/15/18, 4/2/19	96.1	40.0 – 240
Sodium (ppm)	NA	SMCL = 250	NA	7/18/17, 8/15/18, 4/2/19	36.8	23.0 – 110.0
Sulfate (ppm)	NA	SMCL = 250	NA	7/11/17, 11/15/17, 8/15/18, 4/2/19	35.4	9.70 – 110.0

PFAS Compliance with Maximum Contaminant Levels – October 2019 through June 2020



Compliance is Measured at Entry Points to the Distribution System, Not Individual Wells

Operations and COVID-19

- **No Interruptions of Water Service**
- **All Water Quality Standards Met**
- **Adjusted Work Schedules to minimize contact between staff and with the public**
- **Suspended non-emergency customer calls**
- **Maintenance**
 - **Chemical Feed Equipment**
 - **Hydrants**
 - **Leak detection**
 - **Mark outs**



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Thank you