



# White Rock Meeting

---

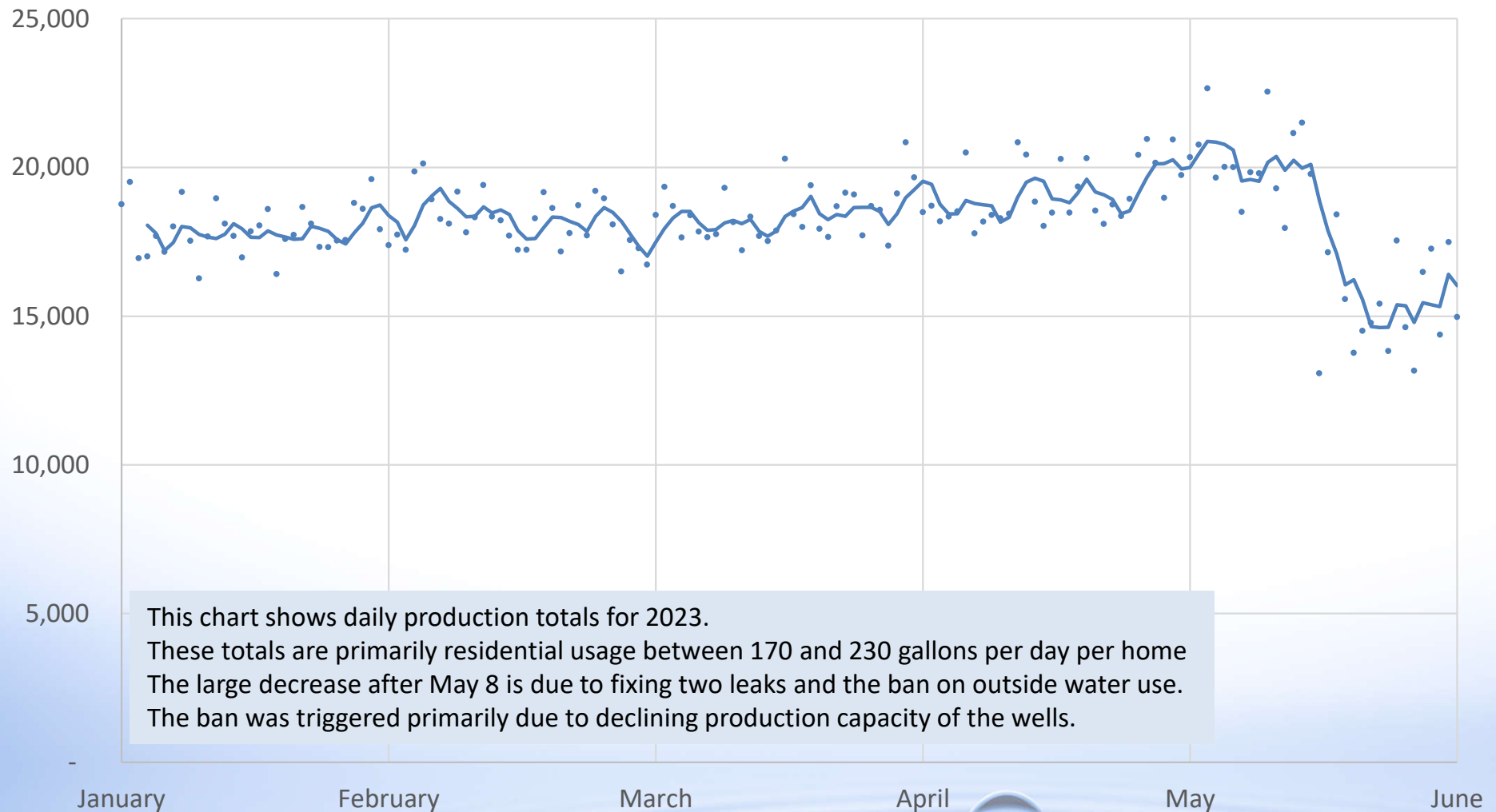
June 7, 2023

AQUARION



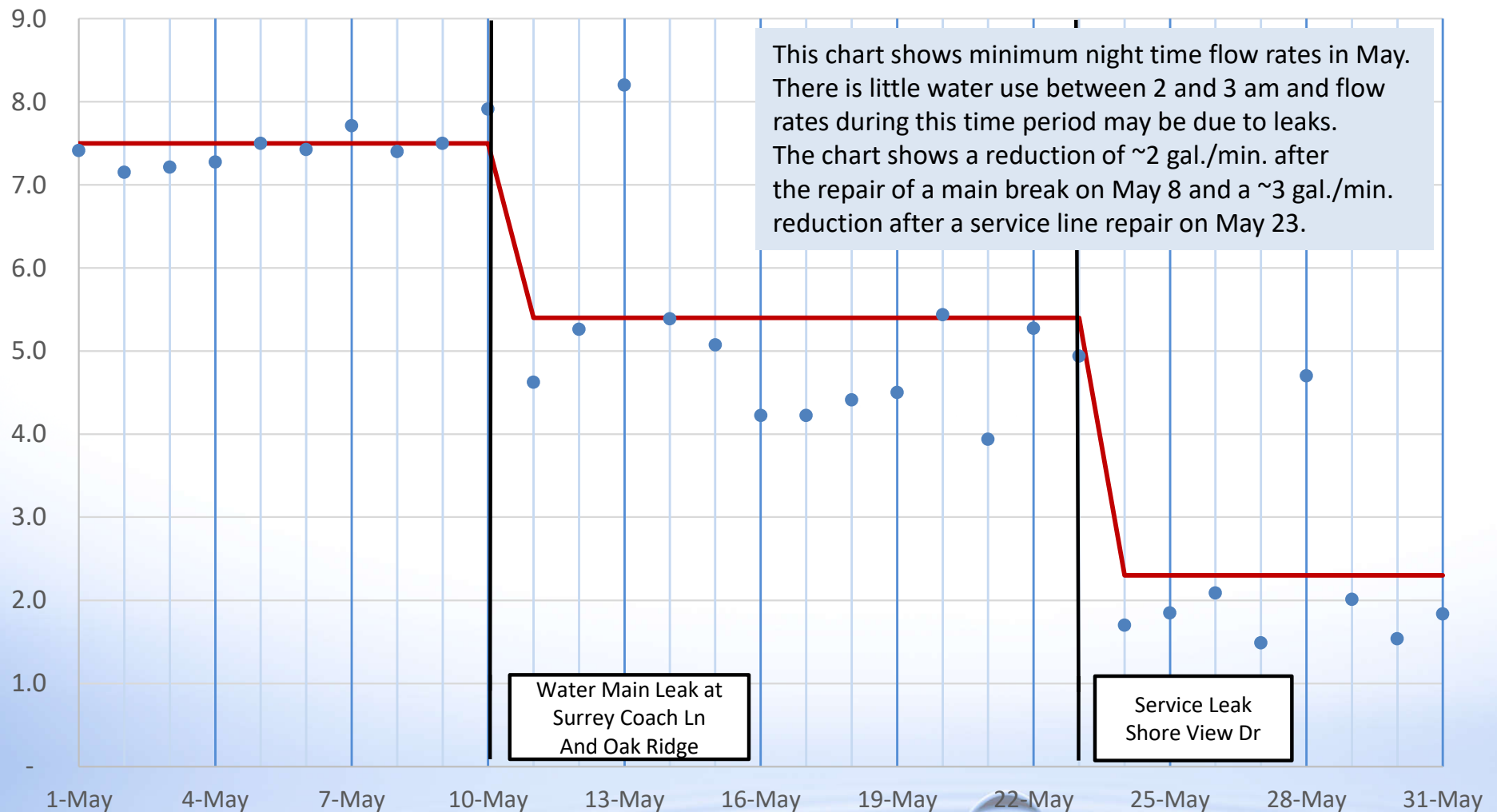
# Daily Production 2023

Gallons per Day



# Leak Repairs

2 a.m. – 3 am. Leak Rate (Gallons per Minute)



# Wells

Well	Installed	Pump Depth (feet)	Pump Size (HP)	2023 Average (Gal/day)
1	1966	750	1	915
2	1966	900	3	4,423
3	1987	1045	5	11,564



Hole in pipe at Pump 1 connection





# Wells

Well	Installed	Pump Depth (feet)	Pump Size (HP)	2023 Average (Gal/day)
1	1966	750	1	915
2	1966	900	3	4,423
3	1987	1045	5	11,564



Hole in pipe at Pump 1 connection

To diagnose the loss in production capacity, the pumps in Wells 1 and 2 were removed. Well 1 pump (see picture) exhibited wear and tear, and had a hole in the discharge pump. Pump 1 was replaced and length of pipe with the hole was removed. Well 2 pump also exhibited wear and tear, and the connecting length of pipe was near failure. Pump 2 was replaced and length of pipe with the hole was removed.



# Wells

Well	Installed	Pump Depth (feet)	Pump Size (HP)	2023 Average (Gal/day)
1	1966	750	1	915
2	1966	900	3	4,423
3	1987	1045	5	11,564



Hole in pipe at Pump 1 connection

The table above compares the three wells and pumps. Well 3 provides 2/3rds of total production. Wiring for both pumps was also replaced. No other electrical deficiencies were observed. Now that we know there are no problems with Pumps 1 and 2, we will spend the next couple of weeks conducting tests to quantify the actual production capacity of each well. These tests will allow us to determine if the wells can provide enough water to support outside water uses.



# Bulk Deliveries

Date	Loads	Quantity (gallons)
Fri May 19	3	18,000
Sat May 20	1	6,000
Sun May 21	2	12,000
Tue May 23	1	5,000
Fri May 26	1	6,000
Tue May 30	1	6,000
Wed May 31	1	6,000
Thu Jun 1	1	6,000
Fri Jun 2	1	6,000
Total	13	71,000

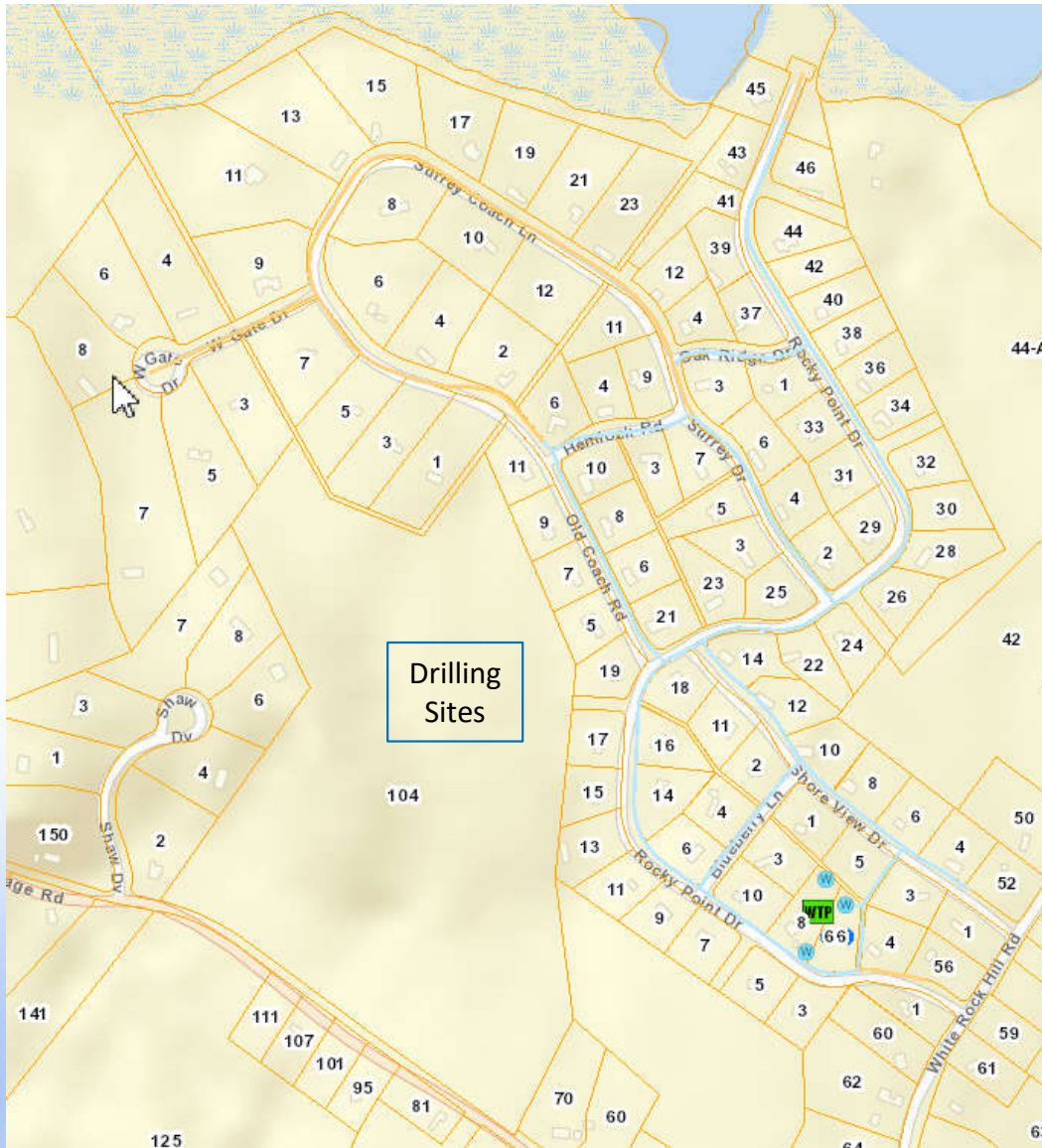
To assure that water systems demands could be met while The wells were out of service for pump work, we received bulk water deliveries.

These deliveries were acquired from a state-certified water hauler and pumped directly into our storage tanks.





# New Source Development Site



The company has also been working on developing new sources.

Currently, two exploration wells are being drilled in the town forest off Rocky Point Road.

The following pages describe, at a high level, the activities started last year and continuing this year to date for this project.

If the test wells can provide adequate supply, we will proceed with development and construction. Specific details will depend upon the volume of Water that can be produced and what type of water treatment may be needed.





# New Source Development Schedule

---

- Work to date
  - 2022
    - Specific site evaluation and selection
    - Wetland surveys
    - DES Environmental Review
    - Town approvals
      - Conditional Exploration Easement
      - Wetlands Buffer Permit
  - 2023
    - DES Environmental Review – January
    - Town Conservation and Planning Board approvals for access and drilling
    - Contract bids and approvals - February
    - Construction of access road / tree clearing - May
    - Drill test wells / perform initial pumping test - June / July



# New Source Development Schedule

---

- If test wells have adequate supply
  - Local Approvals
    - Apply to town for permanent easement for wells, pipes, etc.
  - DES New Source Permitting Process
    - Hydrogeological Reports
    - Public Hearings
    - Pumping Tests
      - Monitoring Nearby Wells and Wetlands
      - Water Quality Testing
    - DES issues permit
  - Well Development
    - Design / Specifications of Well Pumps, Electrical and Piping Systems, and Treatment Upgrades (if needed)
    - Electrical Service Installation
    - Pump and Pipe Installation (from well to pump station)
    - Treatment Upgrades (if needed)



# System Improvements

- Storage Tanks were relined – Mar 2022
- Arsenic treatment system was replaced – May 2022
- New chemical storage and dosing equipment - 2022
- Replaced booster pump – Dec 2022
- Mapping and operations telemetry - ongoing
- Fixed two distribution system leaks – May 2023
- Replaced pumps in Wells 1 and 2 – May / Jun 2023
- Planned replacement of PRVs - summer 2023
- New Source Exploration – ongoing

The company has also been active on other improvement projects

