



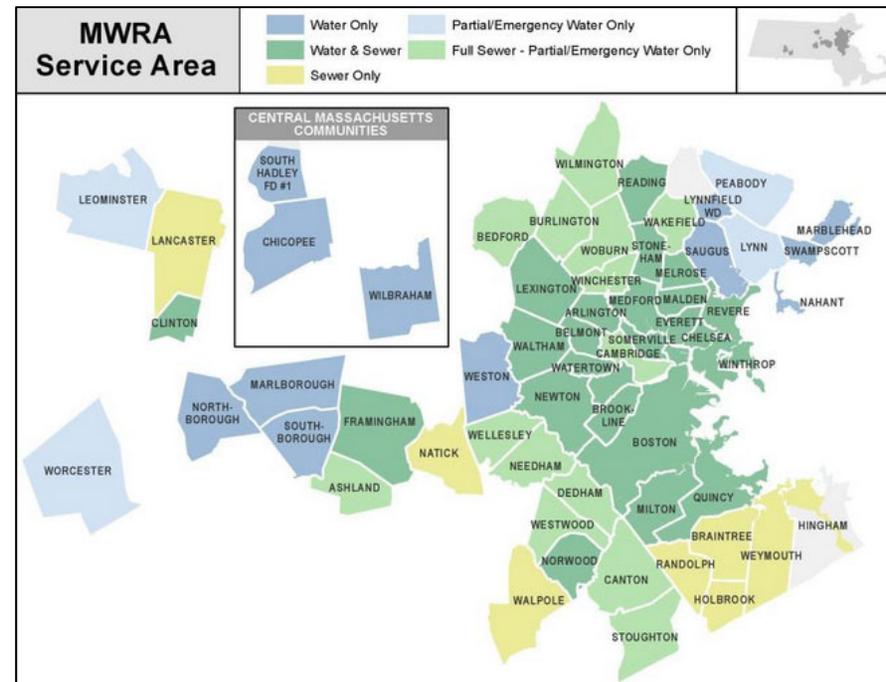
MWRA Water Capacity

July 29, 2025



Agenda

- Background
- Water Capacity Study & Results
- Next steps



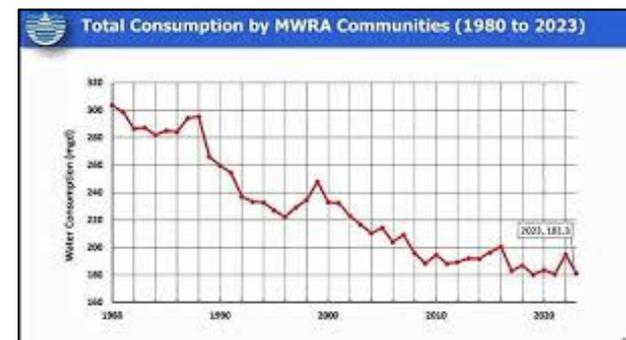
Background



- Availability of surplus water supply – long-understood impediment to South Hingham development
- MWRA opportunity – provides redundant water supply, additional available capacity & potential of accepting new connections;
- Weymouth seeking access, potentially providing access
- Regional exploratory effort
 - Hingham, Abington, Cohasset, Hanover, Norwell, Rockland, Scituate
 - MOU – jointly fund capacity study:
 - Verify current water system demands and capacity
 - Estimate future water system demands
 - Describe infrastructure required to access MWRA water and estimate early costs

South Hingham Study Group Final Report

November 2017



Study Results



- **Projected Supply Deficits**

- **WRWS, Hanover, ARJWW, Norwell**
- **Combined Deficit = 2.16 MGD**

Water System	Current Maximum Day Supply (MGD)	Projected MDD (MGD)	Surplus or (Deficit) (MGD)
Scituate	4.30	2.82	1.49
Cohasset	3.00	1.85	1.15
Hanover	2.51	2.52	(0.02)
ARJWW	3.75	4.44	(0.69)
WRWS	6.98	7.44	(0.46)
Norwell	1.67	2.66	(0.99)
Net Surplus or (Deficit)			0.47
Total Needs [Sum of Deficits]			(2.16)

- **Redundancy Needs (Emergency Supply)**

- **All Communities**
- **Range of 0.40 – 2.26 MGD**

Water System	Firm Capacity (MGD)	Projected MDD (MGD)	Surplus or (Deficit) (MGD)
Scituate	1.30	2.82	(1.51)
Cohasset	0.00	1.85	(1.85)
Hanover	2.12	2.52	(0.40)
ARJWW	3.51	4.44	(0.93)
WRWS	5.18	7.44	(2.26)
Norwell	1.27	2.66	(1.39)



Study Results

- Total of 8 conceptual MWRA supply scenarios using combined hydraulic models
 - Southern vs. Northern Routes
 - 8 – 13 miles of pipe
 - 12” – 36” Diameter
 - Total Cost = \$130M - \$240M*
 - WRWS Share (by flow) = \$20M - \$28M



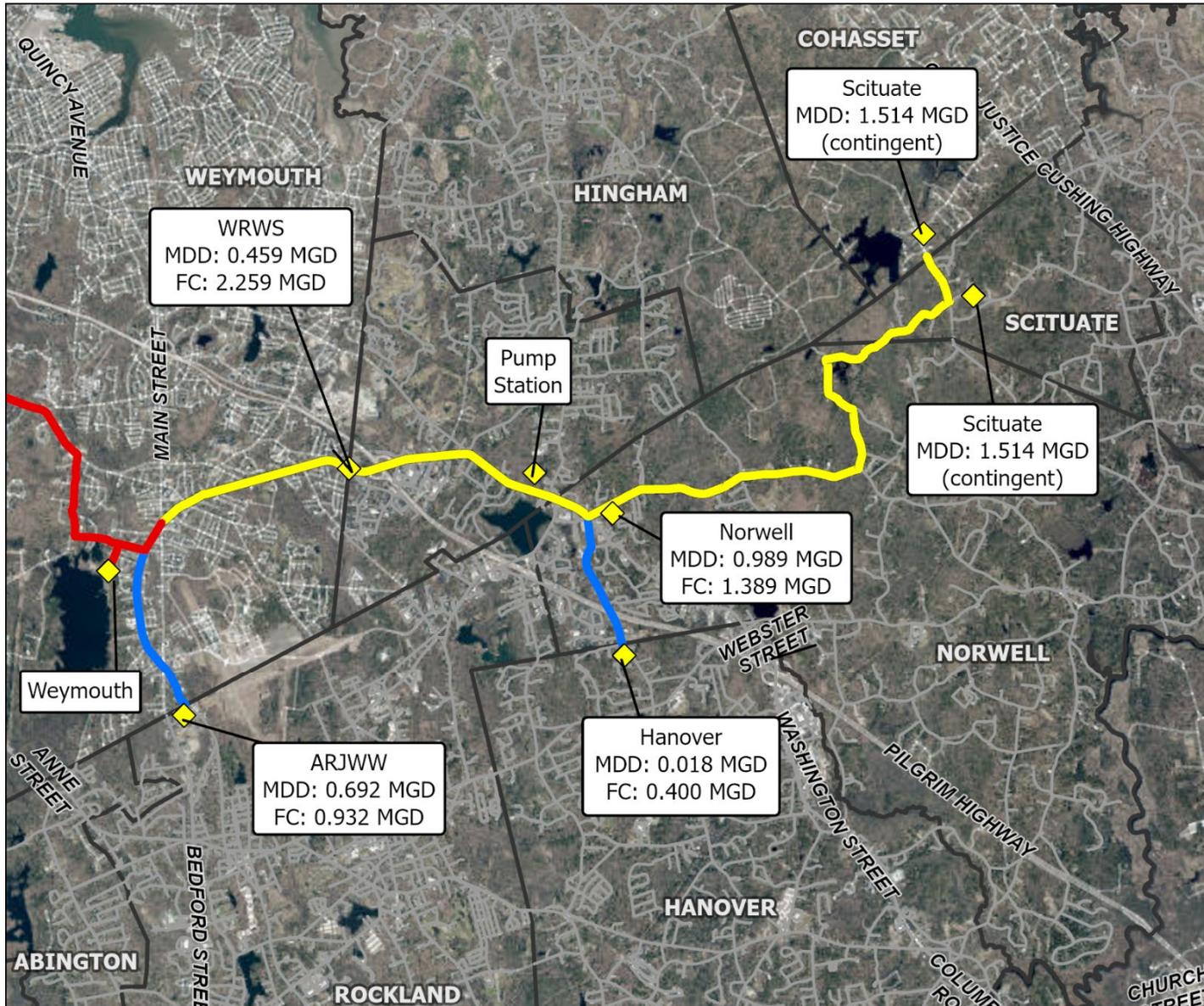
FINAL REPORT

OCTOBER 2022

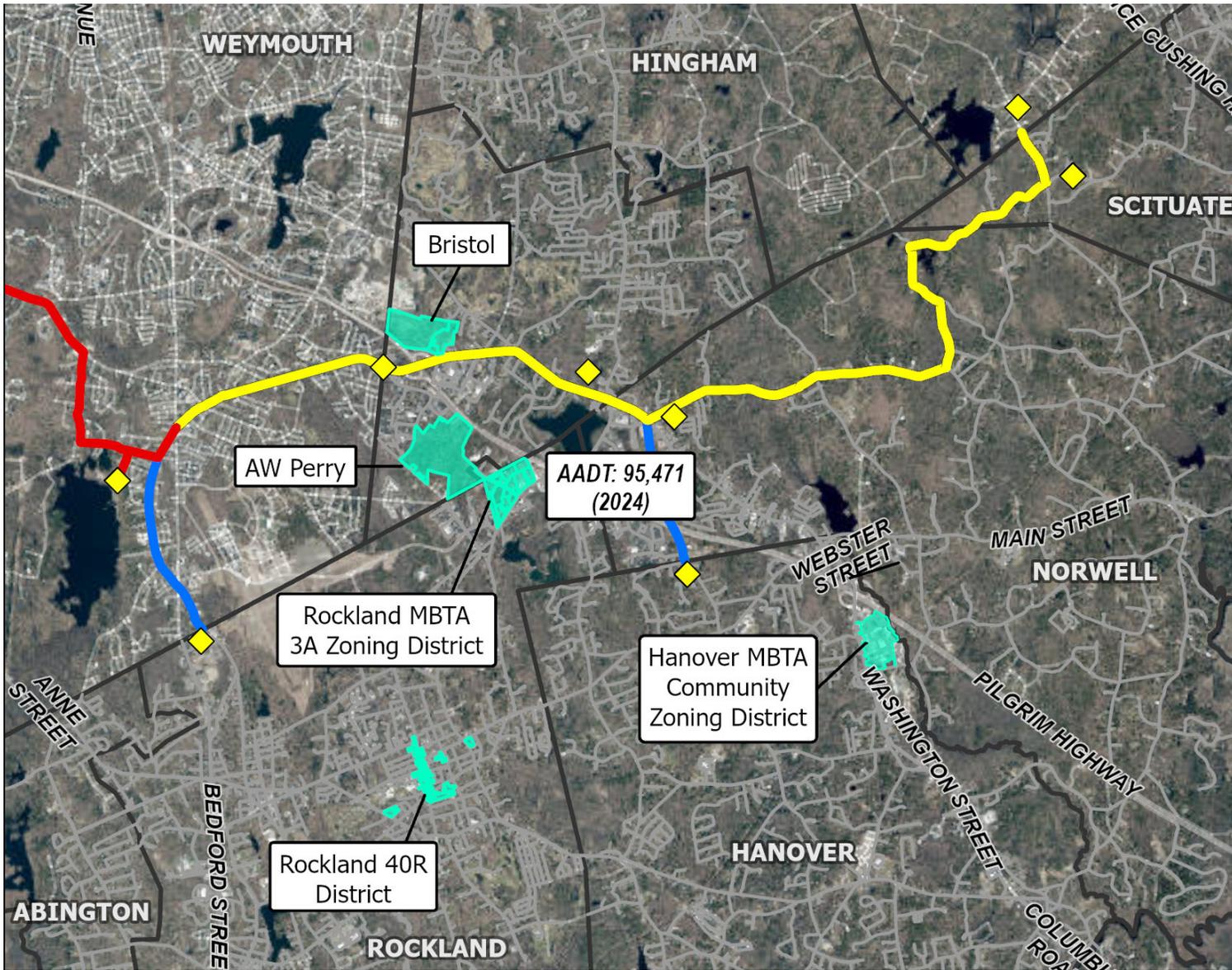
MWRA Water and Wastewater
System Expansion Evaluation
to South Shore Communities

Massachusetts Water
Resources Authority

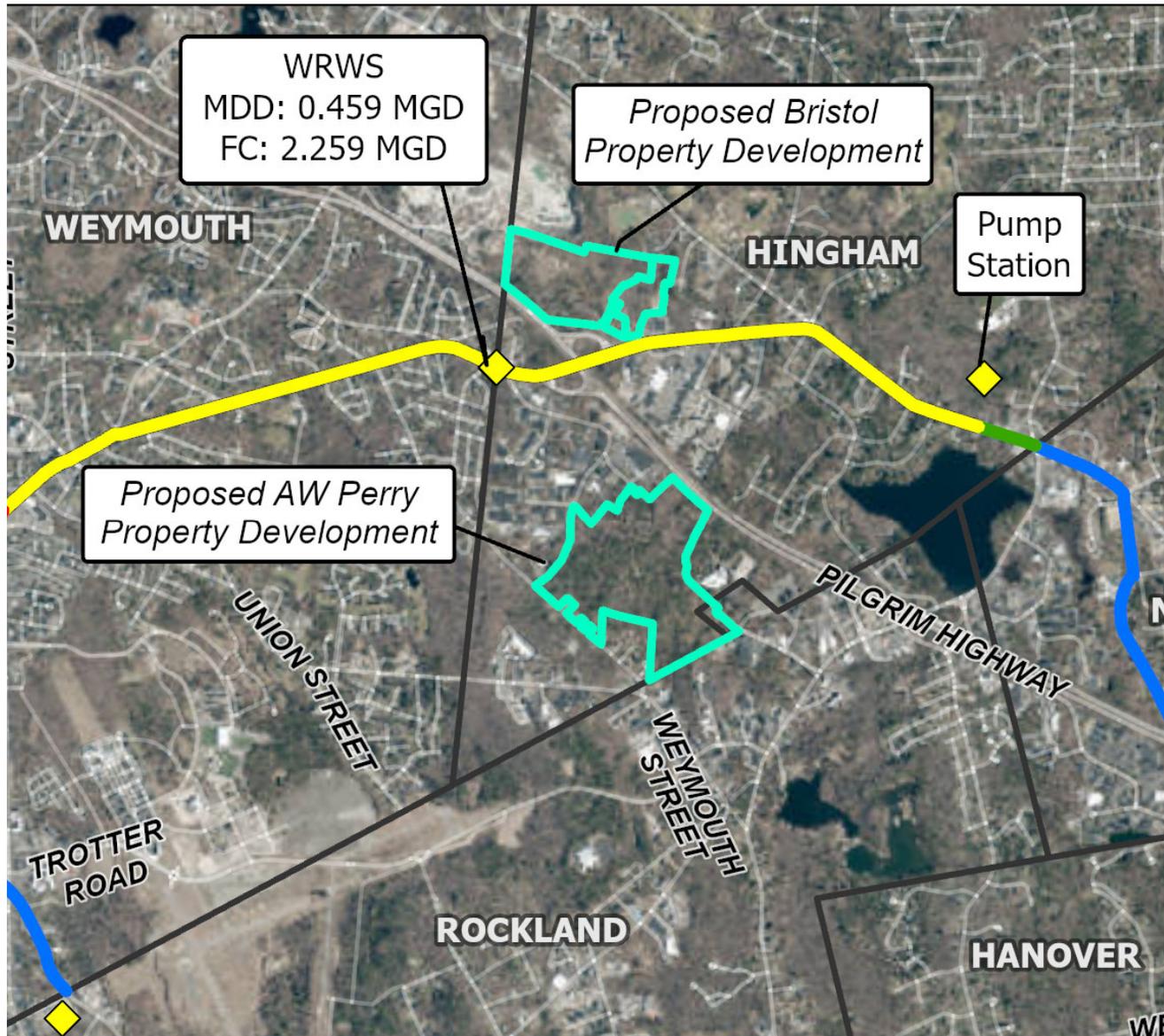
Study Results



Opportunity – South Shore



Opportunity - Hingham





Next Steps

- **Track Weymouth's progress**
- **Hingham & other Towns determine next steps**
 - **Hingham, others resolve water treatment plant questions:**
 - **Can treatment capacity be expanded?**
 - **Are there regulatory barriers that would prevent expansion?**
- **Interested Towns meet MWRA staff and others**
 - **Share findings & gain feedback**
 - **Infrastructure funding options**
 - **Path to waiving entry fee after 2027**

Conceptual Timeline



	2026	2027	2028	2029	2030	2031	2032
WTP Capacity Study	Dark Blue	Light Green					
Design	Light Green	Dark Blue	Dark Blue	Dark Blue	Dark Blue	Light Green	Light Green
MEPA/MWRA Approvals	Light Green	Light Green	Light Green	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Weymouth IMA	Light Green	Dark Blue	Dark Blue				
Weymouth Online	Light Green	Yellow					
Construction	Light Green						
							Dark Blue
							Dark Blue
							Dark Blue
							Dark Blue



Questions?

**Any additional
questions please
contact:**



**Arthur Robert
Town of Hingham
Assistant Town Administrator, Operations**



781-804-2409



Roberta@Hingham-ma.gov