

City of Portsmouth

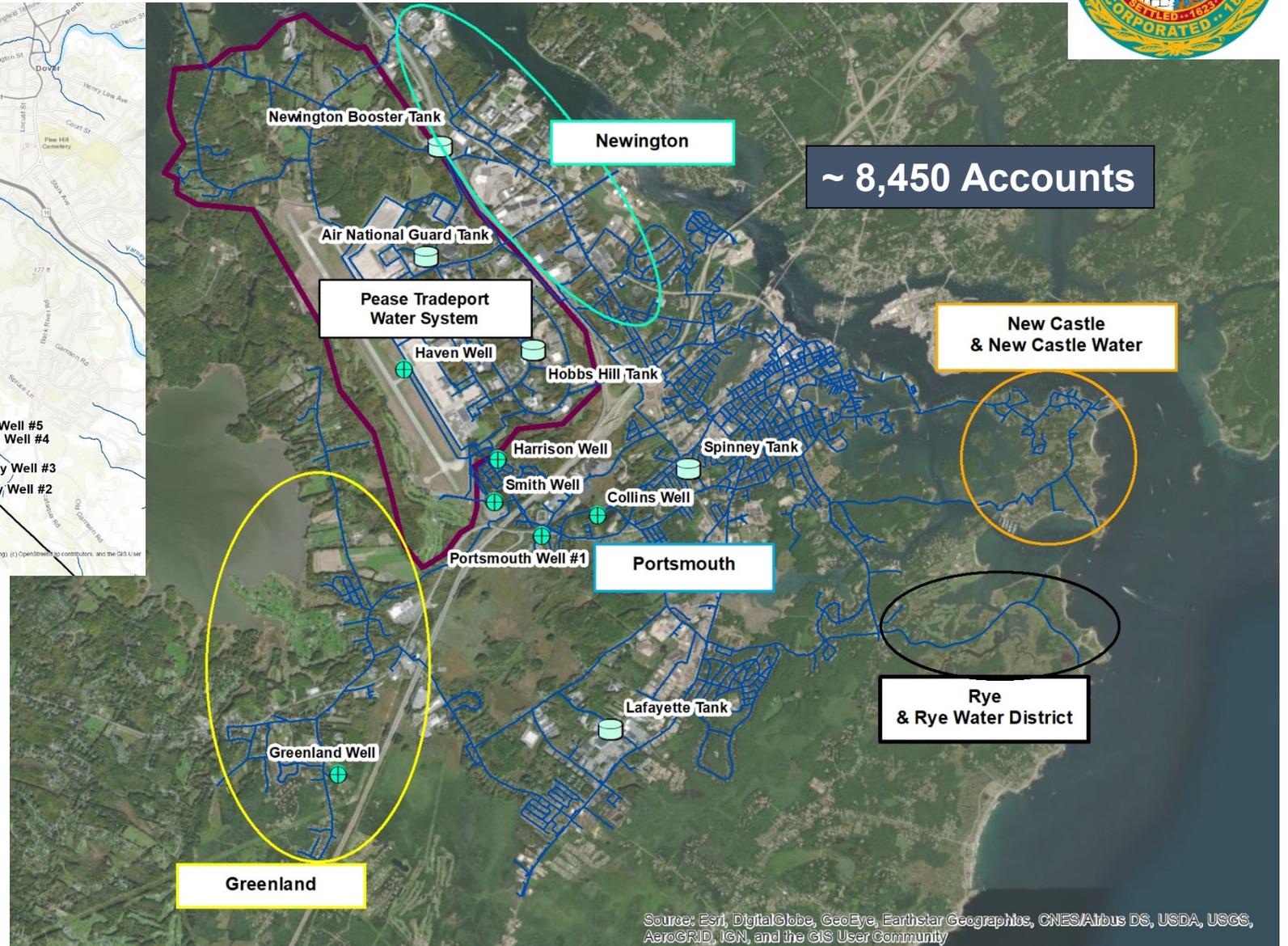
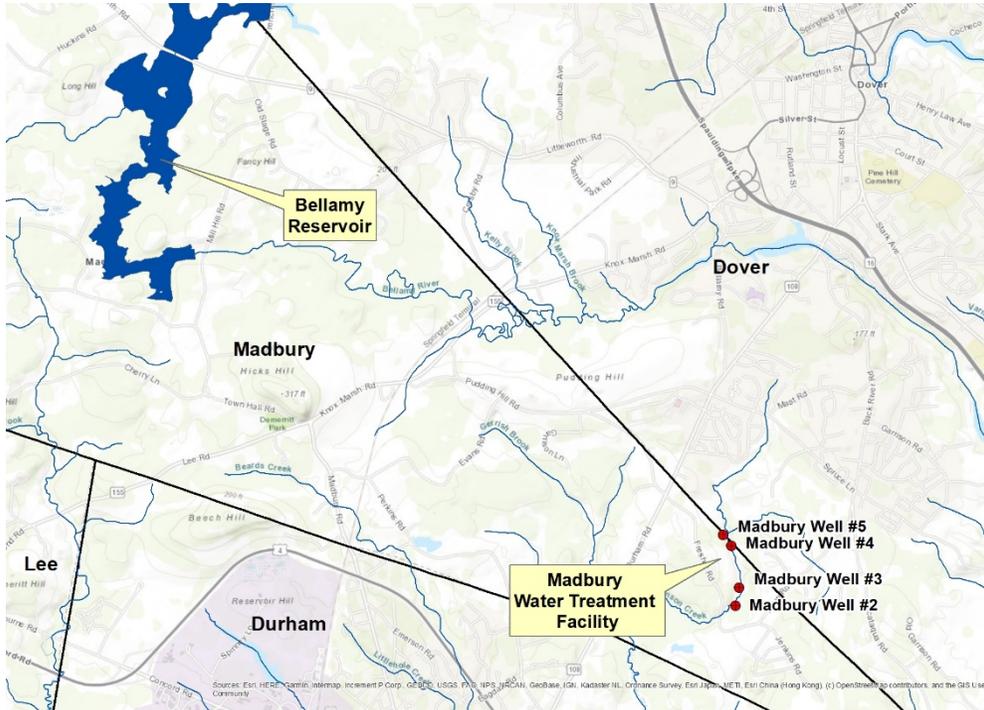


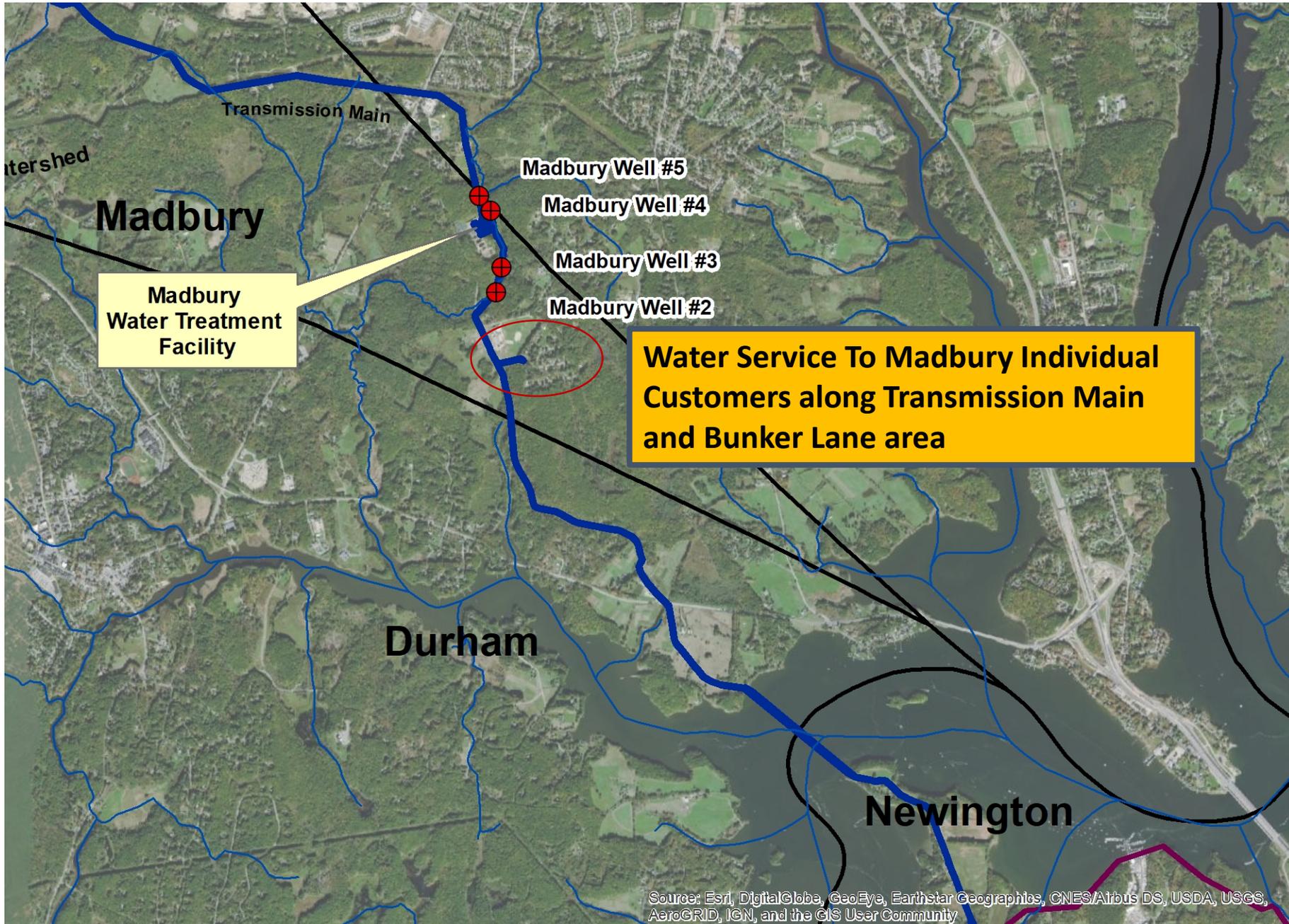
Water System in Madbury, NH

March 26, 2021

Seacoast Drinking Water Commission Meeting

Portsmouth Regional Water System Service Area





Madbury

**Madbury
Water Treatment
Facility**

Madbury Well #5

Madbury Well #4

Madbury Well #3

Madbury Well #2

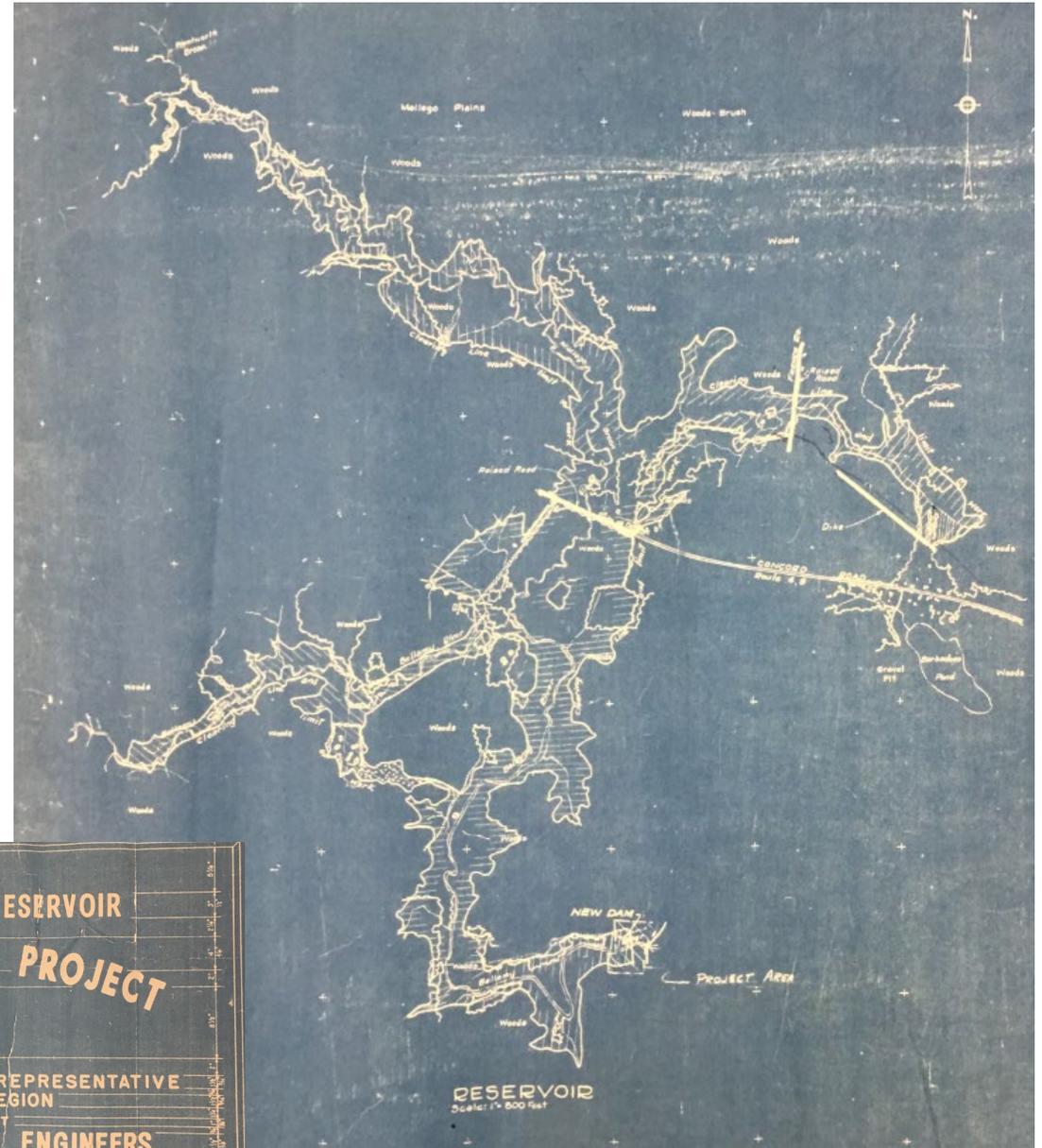
**Water Service To Madbury Individual
Customers along Transmission Main
and Bunker Lane area**

Durham

Newington

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Bellamy Reservoir – 1960



Madbury Water Treatment Facility – 2011 LEED Silver Certification



Three Madbury Wells - 1957



Madbury Well #5 – Permitted in 2016

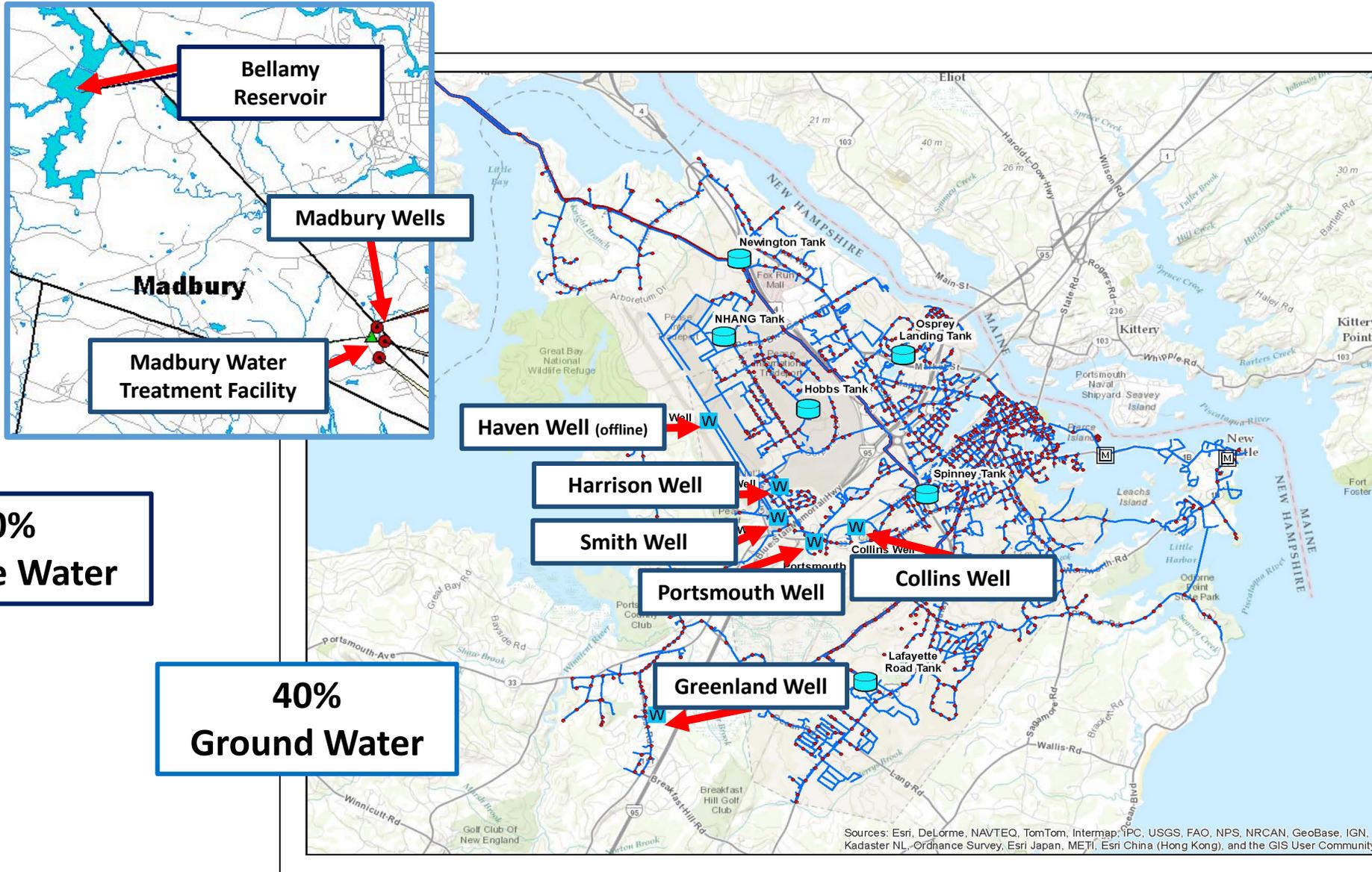
Construction of Facilities Scheduled for 2021

720,000 GPD Day



Portsmouth, NH - Water System Overview

Portsmouth Water Division – All Sources of Supply (Including Pease)

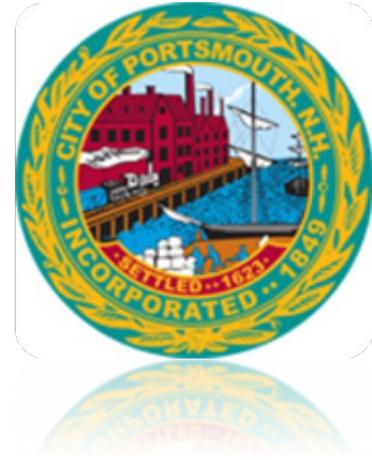


60%
Surface Water

40%
Ground Water

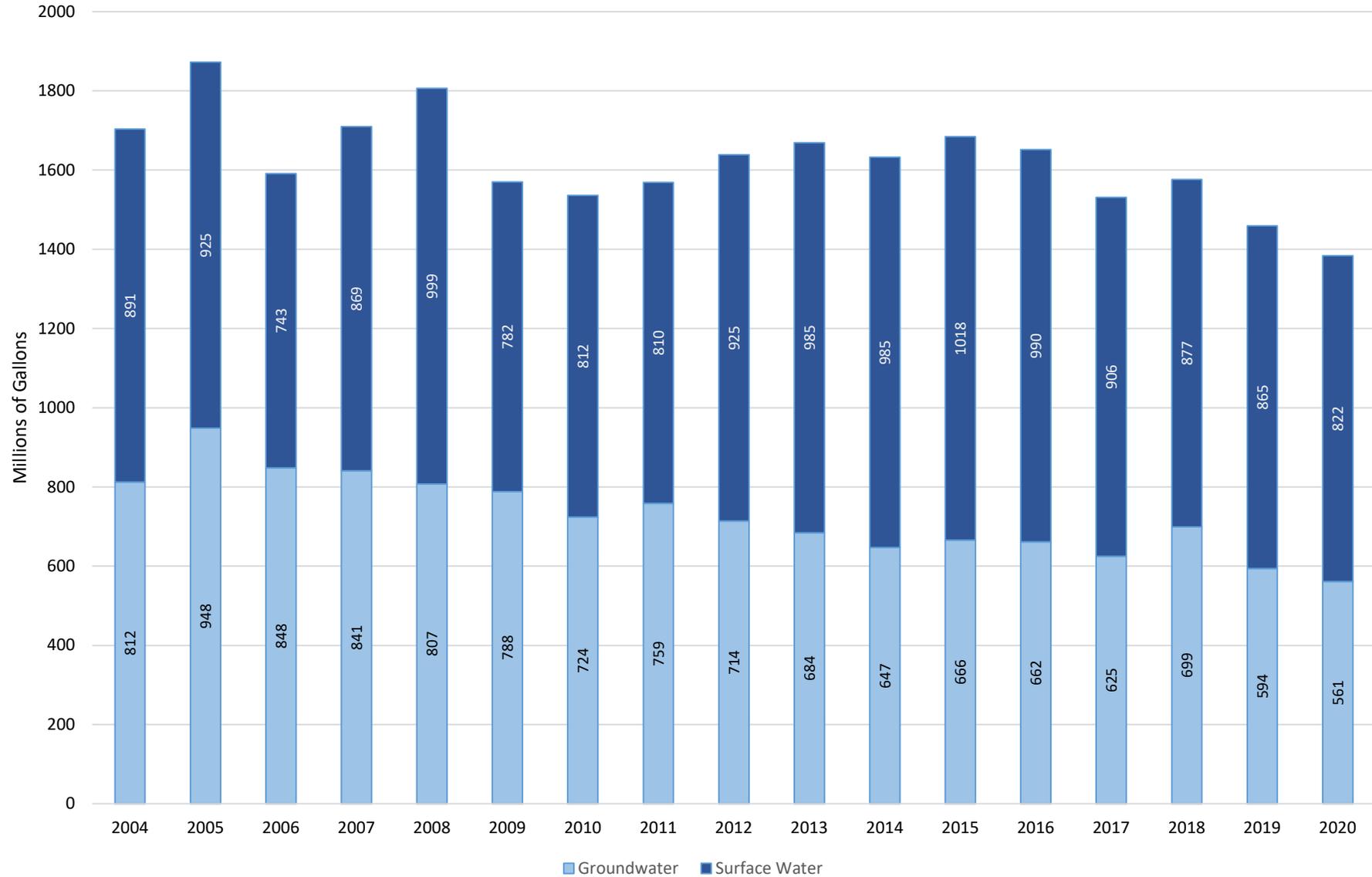
Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, iPC, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), and the GIS User Community

Portsmouth's Integrated Supply Management Strategy:

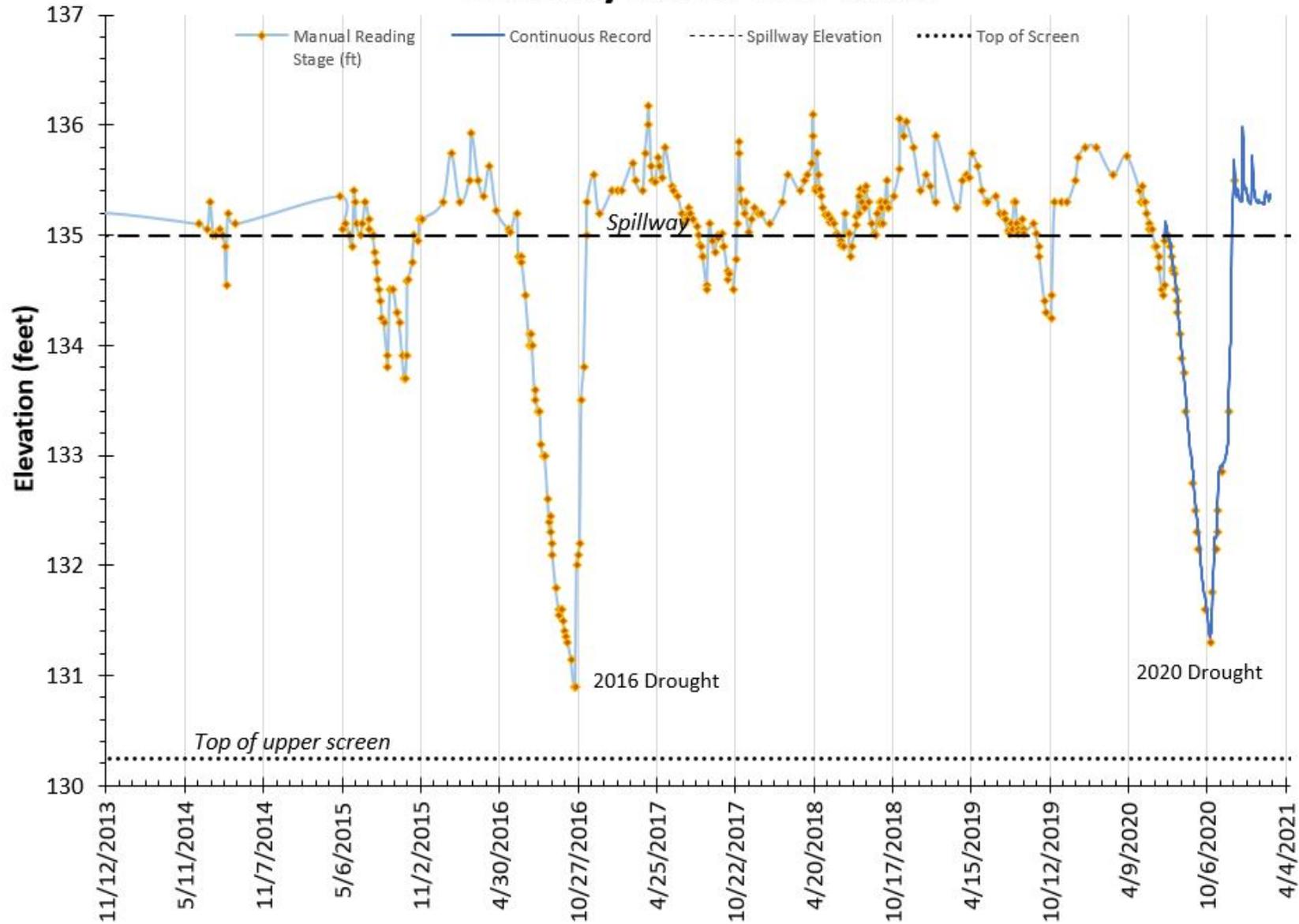


1. Optimize Surface Water Supply
2. Rest Groundwater Sources for Seasonal and Peak Demands
3. Management and Upgrades of Infrastructure
 1. Asset Management and Capital Improvements
 1. Water main replacements
 2. Water treatment facility upgrades
 3. Well redevelopments
 2. Leak Detection Program
 3. Water Efficiency Program
4. Track Precipitation Trends (12-month rolling average)
5. Public Outreach Through Water Supply Updates
cityofportsmouth.com/publicworks/water/supply-status

Portsmouth Water Supply Annual Total Water Supplied



Bellamy Reservoir Level



Reservoir Source Water Protection

Bellamy Reservoir
Protected Land

