

Changes In Water Supply And What It Means To You

Twice a year the Mount Laurel MUA changes water sources; at midnight on April 30th and again on September 30th. Below is an excerpt from our CCR (water quality report) showing the areas of town and the water supply sources for the two times a year that a change is made.

What this means to you? If you are in the areas that receive NJ American Water during the months of October 1st through April 30th, you may notice a change in taste or smell. This is because NJ American Water Company supplies surface water (from the Delaware River) and the MLTMUA and WMUA sources are from deep wells. These changes in taste/smell are completely normal. Surface water and groundwater have different characteristics and will smell, taste and feel differently. All supplied water meets or exceeds all State and Federal drinking water requirements.

If you are noticing a change in your water during this time of year, this is most likely the reason. However, if you feel the change in your water isn't related to the change in sources, you can always call our customer service department and discuss your concerns and if necessary, an appointment will be scheduled to have one of our professionals out to assess your water.

Where Does Your Water Come From?

Every day we deliver an average of 4 million gallons (MG) of water to the community of Mount Laurel, with the addition of outdoor summer use reaching as high as 10 million gallons in one day. However in 2020 the peak use day was 7.4 MG thanks to our customers following our Water Conservation Program. Total water delivered in 2020 was 1.4 billion gallons. Water is provided into our distribution system via several sources: Mount Laurel MUA's (MLTMUA) Elbo Lane Water Treatment Facility & Aquifer Storage & Recovery Facility (ASR), and by purchasing treated water from the Willingboro MUA (WMUA) and New Jersey American Water Company (NJAWC). We manage these sources to meet our customers' water needs while complying with all regulatory and contractual requirements.

The volume of water we are permitted to pump from our own water treatment plant during any given minute, month or year is strictly regulated by the NJDEP. In 1995, the NJDEP severely and permanently reduced the permitted annual pumping capacity of our wells to a quantity far below what is needed to service those in Mount Laurel. Consequently we must augment our well water supply with other sources, as previously mentioned. In 2020, those sources were the VMUA and the NJAWC; however we continue to pursue alternate sources of water on behalf of our customers.

Mount Laurel Township MUA Service Area Jurisdictions-Water

Supply Sources
Winter Operation
October- April

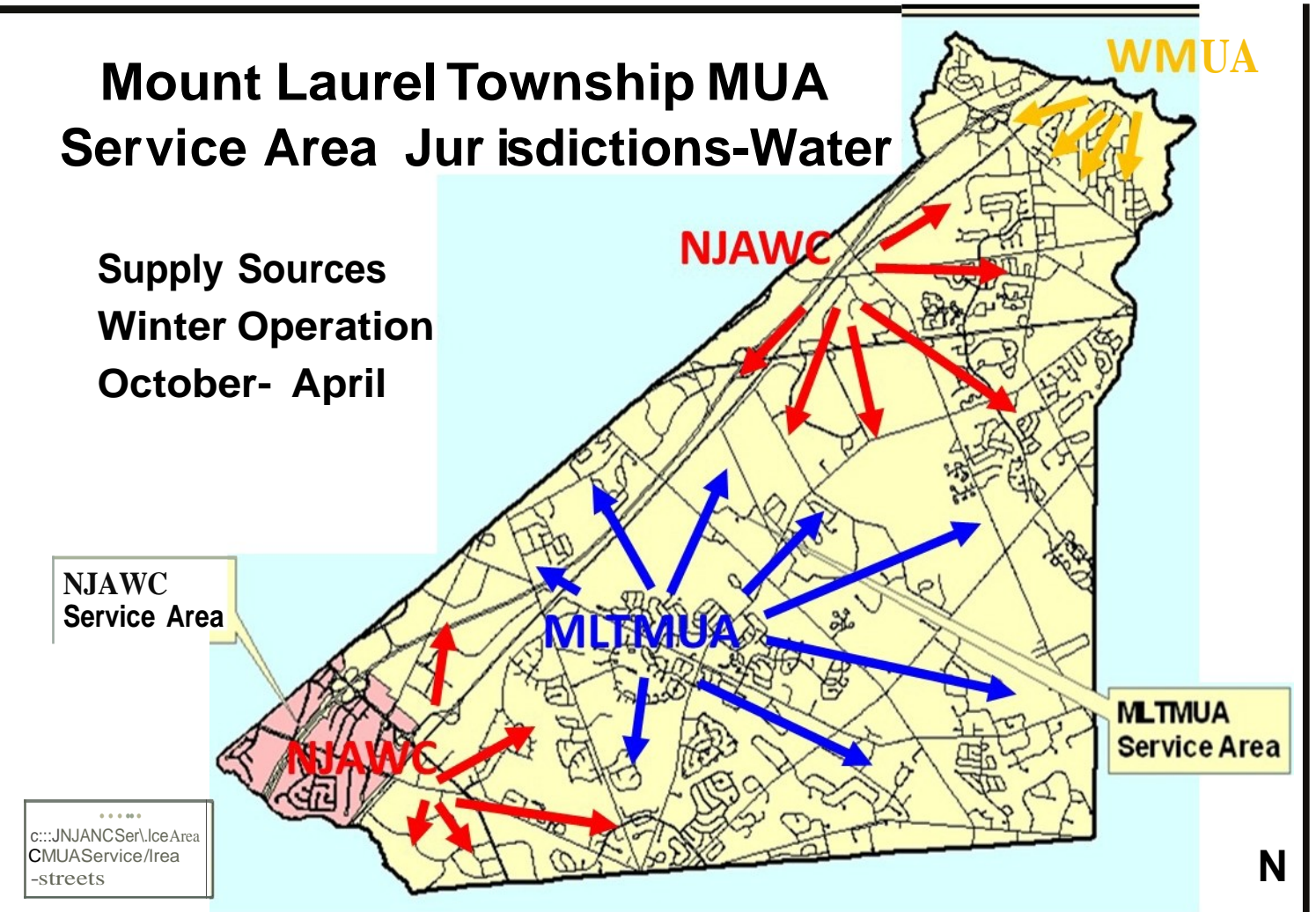


Figure 2: Winter Supply Sources

As mentioned above, your drinking water comes from a blend of sources which varies by time of year (Figures 1 & 2). Due to the number of water supply source locations, interconnectivity of our distribution piping network and relative complexity of our purchase agreements, we are unable to definitively determine from which supply source you receive your water. You should assume that your water comes from a mixture of the sources detailed within this report.

The water supplied to our water treatment facility on Elbo Lane is pumped from three deep (600-700') wells within the lower Potomac-Raritan-Magothy (PRM) aquifer. Our water treatment facility is equipped with a mixed media filter system including pH adjustment, chlorine disinfection and fluoridation. In 2004, we converted a 4th well from a direct supply source to an underground storage source using ASR technology. Since water entering the ASR is already treated prior to storage, it does not require full retreatment when recovered, only pH adjustment, re-chlorination and fluoridation; however if necessary, we have the ability to send the recovered water through our Elbo Lane Plant. We use the ASR facility to augment supply in the warm weather when customer use increases. WMUA obtains all of its water from the PRM aquifer and operates several water treatment facilities. NJAWC supplies water to our distribution system from three sources: surface water from the Delaware River Delran Plant (majority of our purchase from NJAWC), and ground water from the PRM and Mount Laurel-Wenonah aquifers. All water is distributed to our customers via our 200+ mile underground piping network (distribution system).

Mount Laurel Township MUA Service Area Jurisdictions-Water

Supply Sources
Summer Operation
May-September

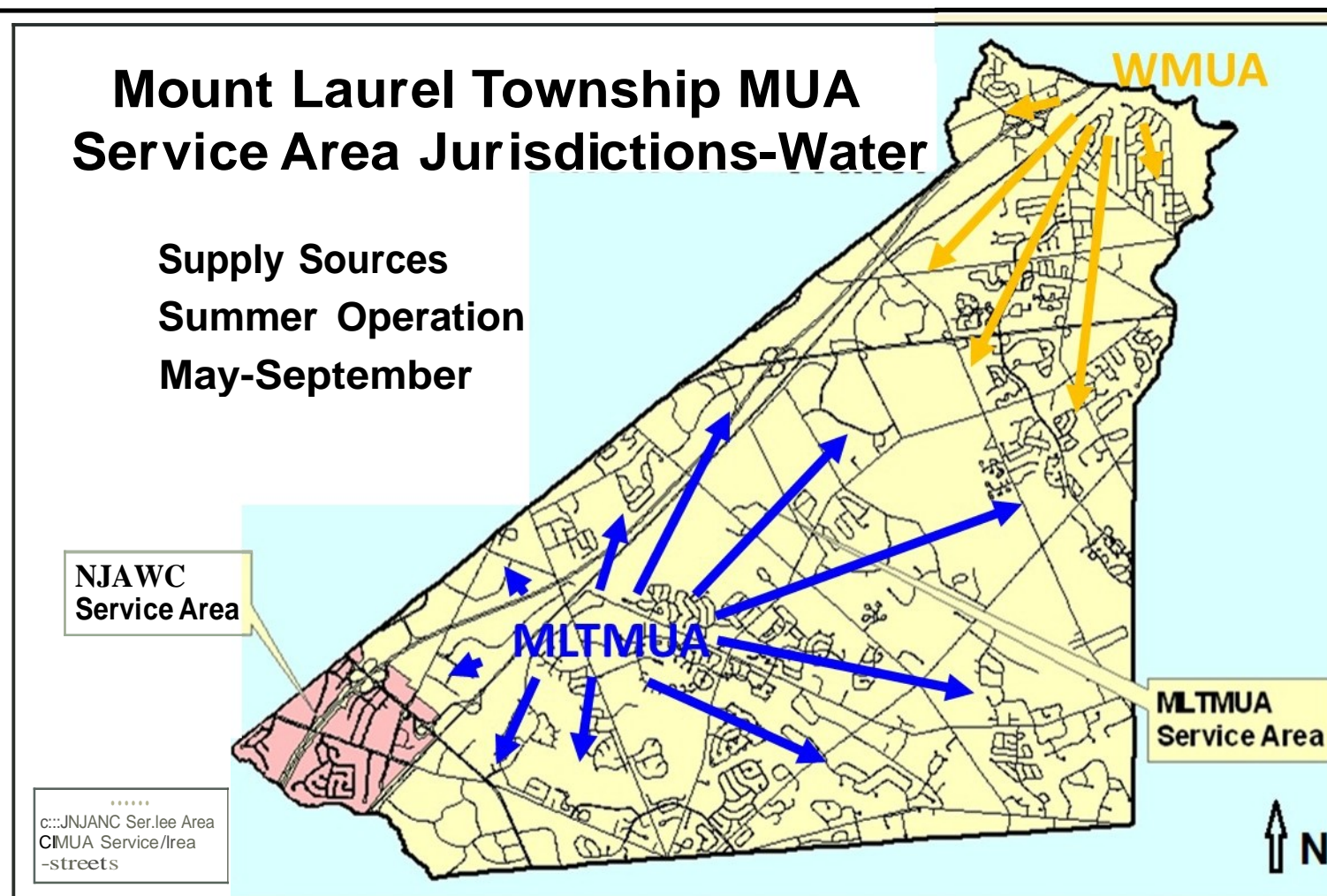


Figure 1: Summer Supply Sources