

The ARWA Chesdin Reservoir Daily Status Report is broken down as follows:

1. Chesdin Reservoir-Pool Level: Provides the reader the date and lake water level in inches below normal (full) pool level which is at elevation 157.2 feet. So, for example, if we were down -44 inches(-3.7 feet) below the normal full lake level of 157.2 feet which is 153.5 feet from the full 157.2 foot lake pool level.
2. Mattoax: This is the reading in cubic feet per second (cfs) from the USGS gauge station (taken directly from the USGS real-time Mattoax gauge station web site) and indicates the majority of inflow of surface water to Chesdin Reservoir, So to refill the lake to full we would presently need greater than say 260 CFS inflow over a set period of time to make up for losses (the required DEQ release, evaporation, and demand).
3. Matoaca: This is the reading in cubic feet per second (cfs) from the USGS gauge station below the Brasfield (Chesdin Reservoir) Dam and indicates either the total water flowing over the dam (when the dam is overflowing) or the amount of water that we are releasing based on a calculation in our Virginia DEQ Water Protection Permit.
4. Target Release: This is the amount of Virginia DEQ required release from the permit (based on the permit required calculation related to the Mattoax and Deep Creek USGS surface inflow gauges with a multiplier applied) and should be very close to the above number for Matoaca when the dam is not spilling.
5. ARWA Production: This number represents the total finished water sent out over a 24 hour period to our wholesale customers.