

Poolesville's Annual Water Capacity Report

January 11, 2023

Each year, the Town will develop a Municipal Water Capacity Report. The reports will include the three most recent years of flow data contained in the Monthly Operating Reports. To determine the annual average flow, the monthly average flow for each month will be averaged with the other monthly averages.

The Town has developed the following procedures to manage water capacity and to control the distribution of capacity to avoid burdens to the system and to maintain sufficient set aside in accordance with the adopted Water Allocation Plan.

According to the MDE, use of an estimate of 250 gallons per day (gpd) per single-family dwelling or 100 gpd per person is a common practice. Although actual domestic usage may be less, the Town's figure of 325 per household to protect against overburdening the aquifer.

The following methodology is used in the annual water capacity determinations:

- Calculate the past three-year averages
- Calculate the number of allocated (not connected) water connections that the local government has provided a written commitment
- Subtract this sum from the permitted 650,000 gpd
- The remaining balance is the **net available water capacity**

Average Flows

2020	548,000 GPD
2021	516,000 GPD
2022	541,000 GPD

Three-Year Rolling Average- 535,000 GPD

Commercial Allocations – Donegan – **12,753 GPD**

Lots approved to build – 11 units or **3,575 GPD**

- Highfill (Hughes Rd) 1, Jamison (Hughes Rd) 2, Fox Hunt (Hughes Rd) 4, Grace Cottages (Fisher Ave) 3, Brightwell (Elgin Rd) 1

Preliminary Plan Approved – 72 units – or **23,400 GPD**

- Willard (Fisher Ave) 63, Hartz (Fisher Ave) 9

2022 Net Available Water Capacity

Withdrawal Permit	650,000 GPD
3-Yr Rolling avg.	-535,000 GPD
<u>Allocations</u>	<u>-39,728 GPD</u>
Net Available Water Capacity	75,272 GPD