• Elevation : 519.74 ft
• Volume : 334,802 MG (81.2%)
• At current capacity Quabbin can supply the system’s current demand* for 4.6 years

* Calculated using an average daily demand of 200 MGD
Quabbin Reservoir Levels relative to Drought Stages

Quabbin Reservoir Levels
With Drought Emergency Planning Stages

Current % Capacity

Below Normal
Below 25% Drought Emergency Stage 3
Below ~55% Drought Emergency Stage 2
Below ~55% Drought Emergency Stage 1
Warning
Below 38% Drought Emergency Stage 2
Below 25% Drought Emergency Stage 3

Jan-00 Jan-02 Jan-04 Jan-06 Jan-08 Jan-10 Jan-12 Jan-14 Jan-16

Percent Full
Quabbin Reservoir levels have been modeled for the next 12 months (March 2017 – February 2018) given varying yield conditions, and an annual demand of 220 mgd (includes a 10 mgd increase from current annual demand levels). The monthly yield for February 2017 was 5,983 MG. It should be noted that February 2017 was about average in the 68 year history of Quabbin yields (32 out 68.)

Table 1 below shows the ending drought status for the time period being simulated.

<table>
<thead>
<tr>
<th>Median Yield</th>
<th>1-Month</th>
<th>3-Months</th>
<th>6-Months</th>
<th>12-Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry (75th Percentile)</td>
<td>Below Normal</td>
<td>Below Normal</td>
<td>Normal</td>
<td>Below Normal</td>
</tr>
<tr>
<td>Driest (of Record)</td>
<td>Below Normal</td>
<td>Below Normal</td>
<td>Below Normal</td>
<td>Below Normal*</td>
</tr>
</tbody>
</table>

*Reservoir level is at 70.9% full at the end of 12 month simulation which is Below Normal condition but close to Drought Warning Condition (<70%)

Evaluating a 24-month scenario using the driest conditions, Quabbin Reservoir would end in the Drought Warning Stage Level.
Quabbin Projections using historical data

Quabbin Reservoir 12-month Simulation

- Normal Operation
- Below Normal
- Drought Warning
- Drought Emergency Stage 1

Legend:
- 12 month median
- 12 month P75
- 12 month Minimum
- Stage 1
- Drought Warning
- Below Normal

Elevation (ft)
March, April, May, June, July, August, September, October, November, December, January, February, March