• Current Elevation: 518.62 ft
• Current Volume: 326,626 MG (79.2%)
• At current capacity Quabbin can supply the system’s current demand* for 4.9 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

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

Percent Full

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

Current % Capacity

Below Normal
Warning
Below ~55% Drought Emergency Stage 1
Below 38% Drought Emergency Stage 2
Below 25% Drought Emergency Stage 3
Quabbin Reservoir Projections – January 2017

Quabbin Reservoir levels have been modeled for the next 12 months (January 2017 – December 2017) given varying yield conditions, and an annual demand of 220 mgd (includes a 10 mgd increase from current annual demand levels). It should be noted that December 2016 was the 13th driest December in the 68 year history of Quabbin yields. The monthly yield for December 2016 was 3,042.29 MG.

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

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

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

12 month Minimum uses actual drought yield data beginning in January 1965 to forecast next 12 months.
Wachusett Reservoir Status – Normal operations

**Wachusett Reservoir**

- **Long Term Average**
- **Lower Band**
- **Upper Band**
- **Winter Band**
- **2017**

**Drawdown for construction project**

- **2016**
- **Long Term Average**
- **Lower Band**
- **Upper Band**
- **Winter Band**
- **2017**
Current Sudbury System Elevations

Winter drawdowns suspended for 2016/17 season due to drought conditions.

Winter drawdown for record snowpack

Winter drawdown for invasives plants control

Sudbury Reservoir

Foss Reservoir