Drought Task Force Meeting
June 9, 2022

MassDEP-Water Management Program Update
Duane LeVangie
Most WMA Permits require reductions in nonessential water uses when one or more of the following are triggered from 5/1 - 9/30:

- Specific streamflow triggers generally include:
  - June ABF is the May-June trigger
  - August ABF is the July–September trigger
- Groundwater elevations on Cape, Islands and parts of Southeastern MA
  - Triggers are the period of record monthly 25th percentile depth to water level values, as determined and published by the USGS.
- Drought Declaration or 7-Day Low Flow
USGS Stream Gages and Monitoring Wells

• 54 USGS Gages are tracked
  • On May 3\textsuperscript{rd} - 4 gages had been below the trigger for 3 consecutive days
  • On June 6\textsuperscript{th} – 49 gages had been below the trigger for 3 consecutive days

• 6 USGS Monitoring Wells
  • On May 3\textsuperscript{rd} - 1 gage had met or been below the trigger values for 60 consecutive days
  • On June 6\textsuperscript{th} – 1 gage had met or been below the trigger values for 60 consecutive days

• Drought Declarations and 7-Day Low Flow
  • On May 16\textsuperscript{th} - Level 1 - Mild Drought in the Southeast and Islands Drought Regions
  • On May 3\textsuperscript{rd} - 0 gages had hit the 7-day low flow
  • On June 6\textsuperscript{th} – 0 gages had hit the 7-day low flow
Restriction Numbers

• 5/3 we had:
  • 1 Voluntary restriction
  • 23 Mandatory restrictions of 3 days or more
  • 22 Mandatory restrictions of 2 days or less

• 5/12 we had:
  • 2 Voluntary restrictions
  • 35 Mandatory restrictions of 3 days or more
  • 28 Mandatory restrictions of 2 days or less

• 6/2 we had:
  • 5 Voluntary restrictions
  • 43 Mandatory restrictions of 3 days or more
  • 40 Mandatory restrictions of 2 days or less
The Maps

CURRENT MUNICIPAL WATER USE RESTRICTIONS

Non-Essential Outdoor Water Use Restrictions
as of May 3, 2021

RESTRICTION LEVEL BY TOWN

- Water Supply Emergency Declared
- Mandatory Restriction - 1 Day or Less of Watering Allowed per Week
- Mandatory Restriction - 2 Days or More of Watering Allowed per Week
- Public Water Supply Service Territories
- Areas with MWRA Water Service

Voluntary Restriction
No Restriction Reported
Very Small or No Municipal Water Supply

The Municipal Water Use Restrictions List specifies which Public Water Suppliers are instituting restrictions. The List can be found at https://www.mass.gov/maa/1405541/.

SOURCES:
Restriction level data provided by municipal Public Water Suppliers or by MassDEP internet search.
For more information contact MassDEP Water Management Program at 617-287-3708.
NOTE: Sub-basin water supply service areas are approximate.

CURRENT MUNICIPAL WATER USE RESTRICTIONS

Non-Essential Outdoor Water Use Restrictions
as of June 2, 2022

RESTRICTION LEVEL BY TOWN

- Water Supply Emergency Declared
- Mandatory Restriction - 1 Day or Less of Watering Allowed per Week
- Mandatory Restriction - 2 Days or More of Watering Allowed per Week
- Public Water Supply Service Territories
- Areas with MWRA Water Service

Voluntary Restriction
No Restriction Reported
Very Small or No Municipal Water Supply

The Municipal Water Use Restrictions List specifies which Public Water Suppliers are instituting restrictions. The List can be found at https://www.mass.gov/maa/1405541/.

SOURCES:
Restriction level data provided by municipal Public Water Suppliers or by MassDEP internet search.
For more information contact MassDEP Water Management Program at 617-287-3708.
NOTE: Sub-basin water supply service areas are approximate.