

Public Water System and Certified Water Operators

Drought Updates

Reservoir, Ground Water and Water Use Monitoring
Webinar # 2020-16

DRINKING WATER SECTION

Lori Mathieu

Environmental Health & Drinking Water Branch Chief

July 2, 2020

(1:00 PM – 2:00 PM)

CONNECTICUT DEPARTMENT *of* PUBLIC HEALTH



AGENDA



DRINKING WATER
SECTION

WEBINAR SERIES
Webinar # 16

DWS Updates
for
Water Utilities

Certified Water
Operators

July 2, 2020

- **Tracking per State Drought Plan**
- **Drying Conditions Related CLs**
- **Water Supply Monitoring Requirements**
- **Water Supply Reporting Requirements**
- **Conservation Recommendations**
- **Questions ?**

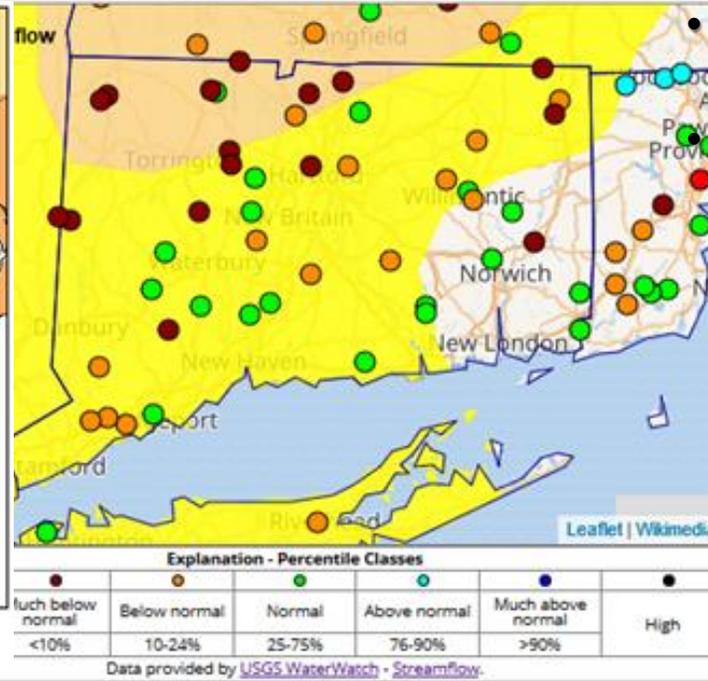
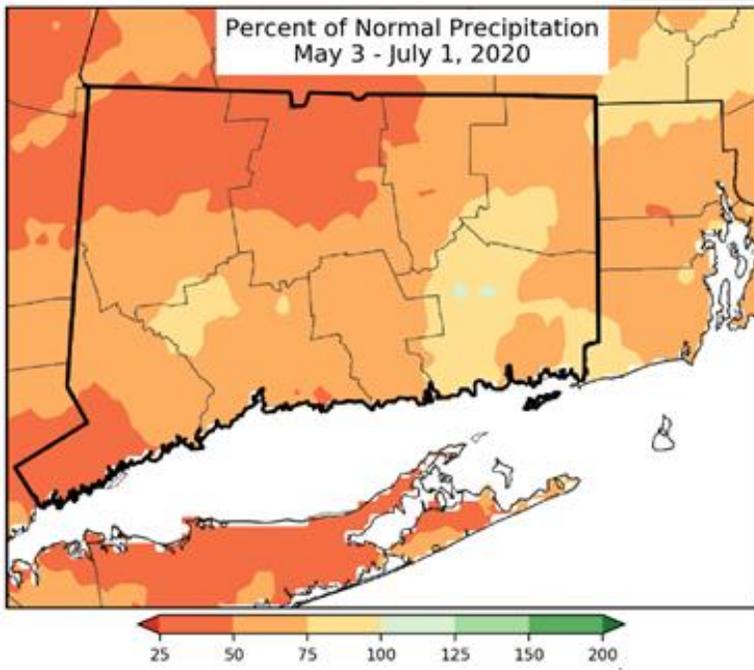




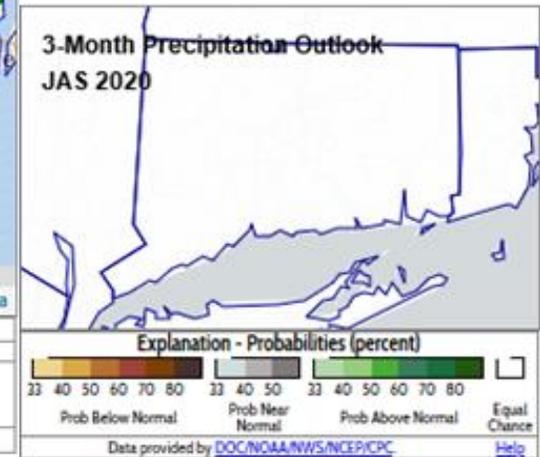
Tracking per State Drought Plan



- ❖ Statewide Percent full is 93.29% ❖ Statewide Percent of Normal is 98.35%
- 18 Systems <100% of Normal, High demands across the State impacting storage capacities
- US Drought Monitor expanded D0 - parts of all counties included, D1 in N and NW portions
- 60 day % of Normal Precip map shows long term deficits; June 25-75% of Normal Precip



Stream flows indicate very dry conditions.
July, August, Sept Precip outlook is equal chance.





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Drying Conditions Related CLs

- **Drinking Water Section (DWS) [Circular Letter 2020-49](#)**
- **Circular Letter EHDW #2020-53**
- **Reporting Important Measures in Dry Weather - Reservoir, Ground Water and Water Use Monitoring- CL 2020-54**





Water Supply Monitoring

- Weekly readings of instantaneous flow rate and total quantity of water delivered over the previous week
- Record weekly on the [Surface Water Capacity Reporting form](#) the status of the reservoir, including water elevation, instantaneous usable storage capacity, reservoir withdrawals, and amount of precipitation.
- Record on the [Ground Water Level Monitoring and Reporting form](#) daily the ground water status, including measurements of instantaneous pumping rates and ground water elevations for each ground water source.



Water Supply Monitoring

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- Record weekly the water use of the community public water system, including measurements of the volume of water withdrawn from each source of supply and for the total system, the volume of water bought from or sold to another public water system, and the type of restrictions, if any, imposed on water use.
- CWSs less 1000 -water system experiences a decrease in the instantaneous flow rate or an increase in the total quantity of water delivered over the previous week, or both, that is more than a 20% difference from the week before.





Conservation Recommendations

- Report any outages of water service and related rehabilitation to services and sources that may happen as the result of the current dry conditions to the DWS and relevant health directors.
- Record all consumer complaints regarding the quality or quantity of water per §19-13-B102(1)(1)(F).
- Notify the DWS of any bulk water hauling per RCOSA §19-13-B46.
- Use DPH licensed bulk water haulers pursuant to Section 20-278h of the Connecticut General Statutes.
- Review all back up and emergency sources/interconnections.





Conservation Recommendations

- Review appropriateness of the drought trigger levels within your Emergency Contingency Plan developed pursuant to 25-32d and in preparation for potentially worsening conditions. As appropriate, the drought trigger levels should be amended to give sufficient lead time to adequately implement response actions and reflect an adequate number of remaining days of supply in time of an emergency.
- Report current drought status to DPH on a weekly basis
- Work as feasible with the municipalities you serve on drafting and enacting a local water use restriction ordinance.
- Proactively repair leaks and assess and reduce to at least 15% the unaccounted-for water in your distribution system.



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Water Supply Reporting

- Submit the weekly water use information to the DWS **every Monday** for the previous week's readings.
- Submit to the DWS via electronic mail at DPHWaterSupplyCapacity@ct.gov





Suggestions

- Next webinar is on Thursday **7/09/20** at 1 pm.
- Email Questions about operator certification to William.Sullivan@ct.gov
- Email questions/notifications about water quality testing and monitoring to dwdcompliance@ct.gov
- Emergency notifications, may call 860-692-2333, and email to dwdcompliance@ct.gov

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Thank You

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