MASSACHUSETTS RIVER OVERVIEW

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Recent rainfall has replenished river and stream flows across the Commonwealth but at least normal rainfall going forward will be necessary to sustain these flows.

- Selected locations already dropping below normal again.
Discharge, cubic feet per second

Most recent instantaneous value: 238 11-04-2020 10:45 EST

USGS 01103500 CHARLES RIVER AT DOVER, MA

--- Provisional Data Subject to Revision ---

▲ Median daily statistic (83 years) ▲ Measured discharge
--- Discharge ---
Discharge, cubic feet per second
Most recent instantaneous value: 68.0 11-04-2020 10:30 EST

--- Provisional Data Subject to Revision ---

△ Median daily statistic (48 years) ✶ Measured discharge
—— Discharge
• Limited rainfall through early next week.
A 42 member ensemble run for all NERFC forecast points to give us an idea of the possible range of river flows out 10 days.

- Basically 42 slightly different initial conditions lead to 42 different forecasts based on rainfall and temperature.

- Will show results for the North Nashua River at Fitchburg (FBGM3) and the Charles River at Dover (DOVM3).
Dry weather followed by a minor rain event by the middle of next week??
Minor rainfall event middle of next week??

Most likely range is shaded in orange (still relatively low flow)
CONCLUSIONS

• River flows have recovered from record lows across hard hit drought areas.
• Sustained at least normal rainfall will be needed to keep rivers from returning to below normal.
• Very dry and warm weather for November into early next week with a wetter weather pattern possible in the 10-14 November time frame.