Ned Lamont
Governor

Department of Emergency Services and Public Protection

Division of Emergency Management and Homeland Security

James C. Rovella, Commissioner
Brenda M. Bergeron, Deputy Commissioner
William H. Turner III, Director

FINAL UPDATE FROM DESPP/DEMHS AT 2:00 PM MON JULY 10TH 2023

THE HEAVY RAINFALL HAS DEPARTED THE STATE…SEVERAL TOWNS HAVE REPORTED URBAN FLOODING AND A FEW TOWNS HAVE REPORTED SIGNIFICANT DAMAGE TO ROADS, RAIL ROADS AMD BRIDGES…

All of the Flood Advisories and Flash Flood warnings have expired. Several Flood Warnings for rivers that are above flood stage remain in effect.

Total rainfall ranged from 1 – 3 inches across central Connecticut, 3” – 5” in southeastern CT and up to 8” – 11” in the NW Hills. The map to the right shows total rainfall as of 7:00 AM. Some additional rainfall occurred in Southeastern CT after 7:00 AM.

Urban flooding was reported in East Lyme, New London and several other towns in southeastern CT. Significant infrastructure damage was reported in Norfolk and Cornwall. Preliminary analysis indicates that the rainfall in the NW Hills exceeded the 10-year storm in a few towns for a 3-hour duration of very heavy rainfall. Many older culverts are designed for the 10-year storm and some of these culverts failed when the 10-year storm was exceeded.

The Housatonic River at Gaylordsville is cresting at this time at 10.9 feet which is just over the moderate flood stage of 10.0 feet.

The Connecticut River at Hartford is forecast to crest at 23.2 feet at 1:00 PM on Wednesday, just below the moderate flood stage of 24.0 feet.

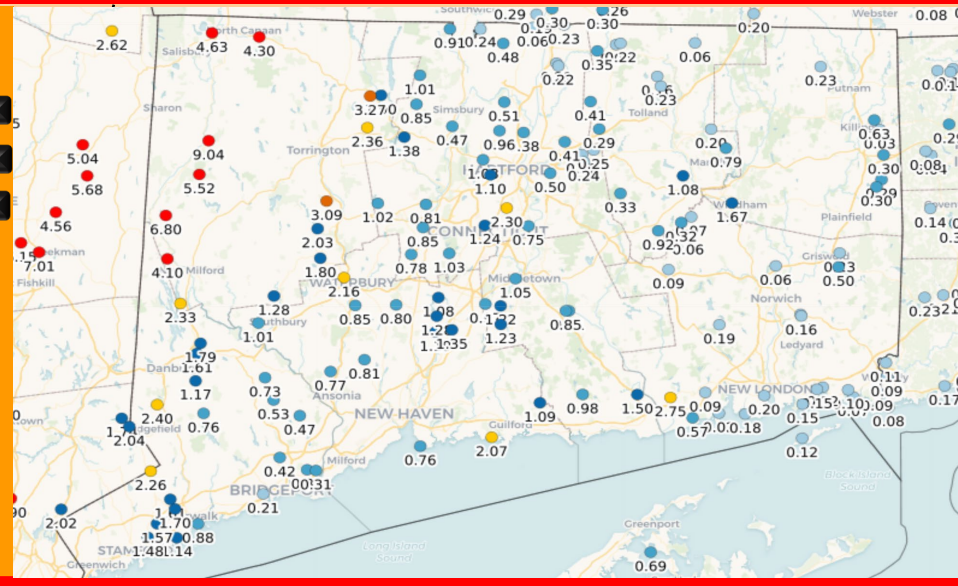
Towns should continue to report any significant flood damage to their DEMHS Regional Coordinators as time permits. This will be the final update on this event from DESPP / DEMHS.

PM HAZARDS EXPECTED

PRIMARY HAZARDS	CURRENT SPC FORECAST	Low	Mod	High	Sig
Urban Flooding	10%				
River Flooding	40%				
Severe T-Storms	5%				

OTHER HAZARDS	IMPACTS
Torrential Downpours	Low
Dangerous Lightning	Low
Strong Winds	Low
Power Outages	Minor

Total Rainfall as Reported by CoCoRaHs at 7:00 AM



3-HOUR RAINFALL RATES PLOTTED BY RETURN FREQUENCIES

Explanation: The duration of the heavy rainfall for this event was approximately 3 hours for each burst of heavy rain in the NW hills. This storm event exceeded the 10-year frequency for a 3-hour event which is a standard for older culvert designs. Note: This is a single site analysis for Cornwall. The return frequencies will be different at other sites.