

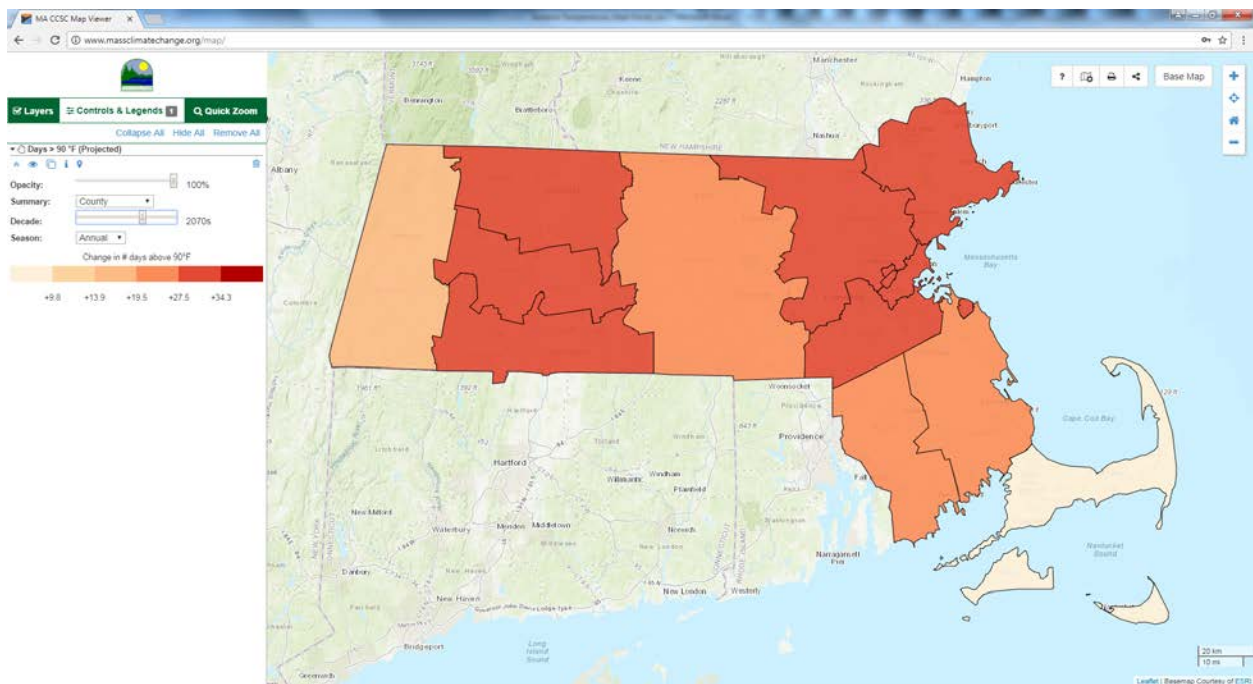
# Massachusetts State Hazard Mitigation and Climate Adaptation Plan

## State Agency Vulnerability Assessment Reference Materials: Extreme Temperatures/Heat Waves

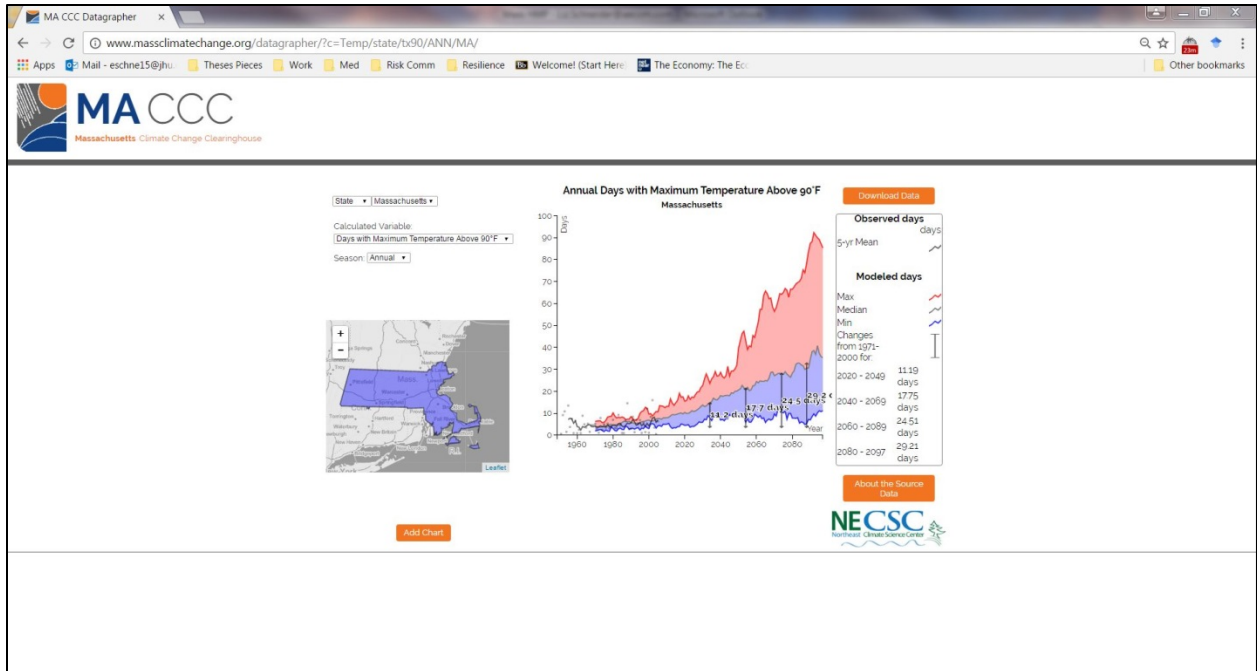
Data Source: Northeast Climate Science Center

Mapping of projected extreme temperatures based on data from the Northeast Climate Science Center is available on the Massachusetts Climate Change Clearinghouse Map Viewer at the State, County, and Drainage Basin levels: <http://www.massclimatechange.org/map/> (see screenshot below). A tutorial on how to use the Interactive Map and GIS Viewer is provided on this website. The following indicators provide information pertinent to this hazard:

- Days with Maximum Temperature Above 90 Degrees
- Days with Maximum Temperature Above 95 Degrees
- Days with Maximum Temperature Above 100 Degrees
- Days with Minimum Temperature Below 32 Degrees
- Days with Minimum Temperature Below 0 Degrees



These data are also accessible by using the Massachusetts Climate Change Clearinghouse Data Grapher, which provides time series graphs of modeled changes to the following indicators: <http://www.massclimatechange.org/data/data> (see screenshot on the following page). A tutorial on how to use the Climate Data Grapher is provided on this website. As indicated by the Climate Data Grapher, the frequency of extreme high temperatures is projected to increase in the future.



Also, the first row of maps below shows days with maximum temperature greater than 95°F during the summer for the baseline (1971-2000) and for the projections relative to that baseline for three future periods. The bottom row shows days with maximum temperature greater than 95°F during the summer values for those future periods. These maps also reflect the Northeast Climate Science Center data.

