



Review of the Extreme Heat and Cold/Freeze Hazard Annexes

Office of Emergency Services
November 2, 2022

Mary Jo Flynn-Nevins, Chief

Phases of Activation



Readiness

- General Seasonal Readiness
- Public Education



Watch

- Weather Coordination Calls
- Logistics Readiness for Facilities and Goods



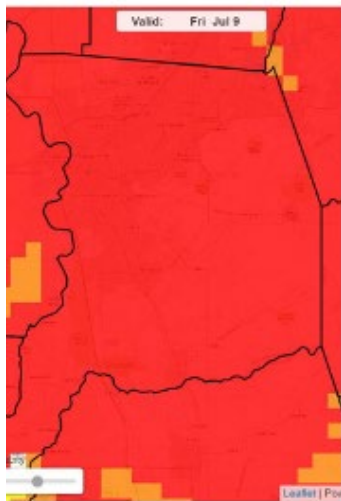
Warning

- Action to Implement Plans

HeatRisk Sample

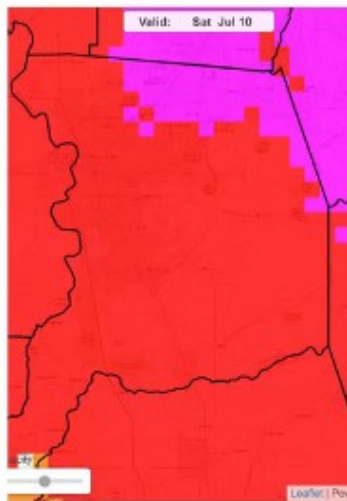
12:00 PM, July 9 - 9:00 PM, July 12, 2021

Friday



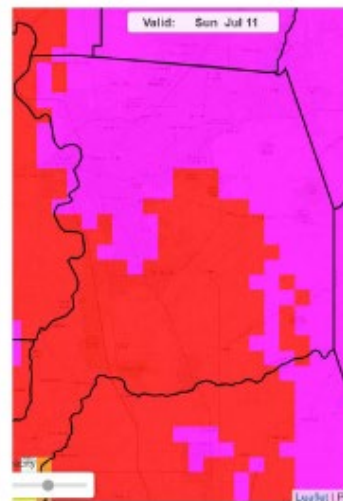
High 105°F
Low 69°F

Saturday



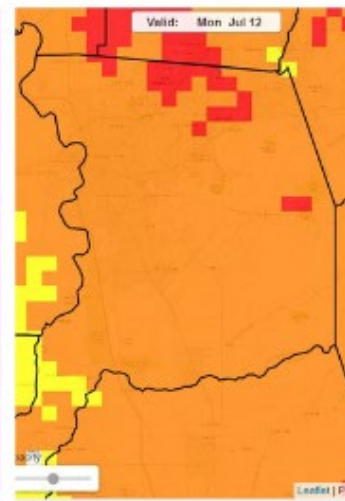
High 110°F
Low 72°F

Sunday



High 109°F
Low 69°F

Monday



High 99°F
Low 60°F

Heat Risk



Extreme Heat Criteria

2022 Plan

Extreme Heat Emergency

- The NWS issues an Excessive Heat Warning for Sacramento County
- The Experimental HeatRisk is Magenta (Level 4) for 3 or more days
- NWS issues a Partner Email, Advisory, Watch or Warning in addition to:
 - Abnormal human medical emergencies and mortality
 - Abnormal animal mortality
 - SMUD electrical emergency and/or extended power outages due to extreme heat or supply constraints

Probabilistic Data

LOW TEMPERATURE PROBABILITIES OF 32 DEGREES

Location	Thursday 12/30/21 Night	Friday 12/31/21 Morning	Friday 12/31/21 Night	Saturday 1/1/22 Morning	Saturday 1/1/22 Night	Sunday 1/2/22 Morning
Sac Downtown	11%		38%		56%	
Mather Field	27%		65%		79%	
McClellan AFB	23%		62%		85%	

Location	Probability of 32 Degrees	Probability of 28 Degrees	Range/Fcst
Sacramento/ Metro	92%	30%	26 to 32 30
Sac Downtown	56%	15%	27 to 33 32
Mather Field	79%	19%	27 to 33 30
McClellan AFB	85%	27%	26 to 32 30

Extreme Cold/Freeze Criteria

2022 Cold/Freeze Emergency

- NWS provides probabilistic data with a 50% or greater chance of low temperatures at 32 degrees or lower for 3 consecutive days
- NWS issues a Partner Email, Advisory, Watch or Warning in addition to:
 - Abnormal human medical emergencies and mortality due to cold
 - Abnormal animal mortality
 - SMUD electrical emergency and/or extended power outages due to extreme cold or supply constraints