

1. On average, how many days with a high temperature above 90 degrees does Franklin currently experience?

How many are projected to occur by 2050?

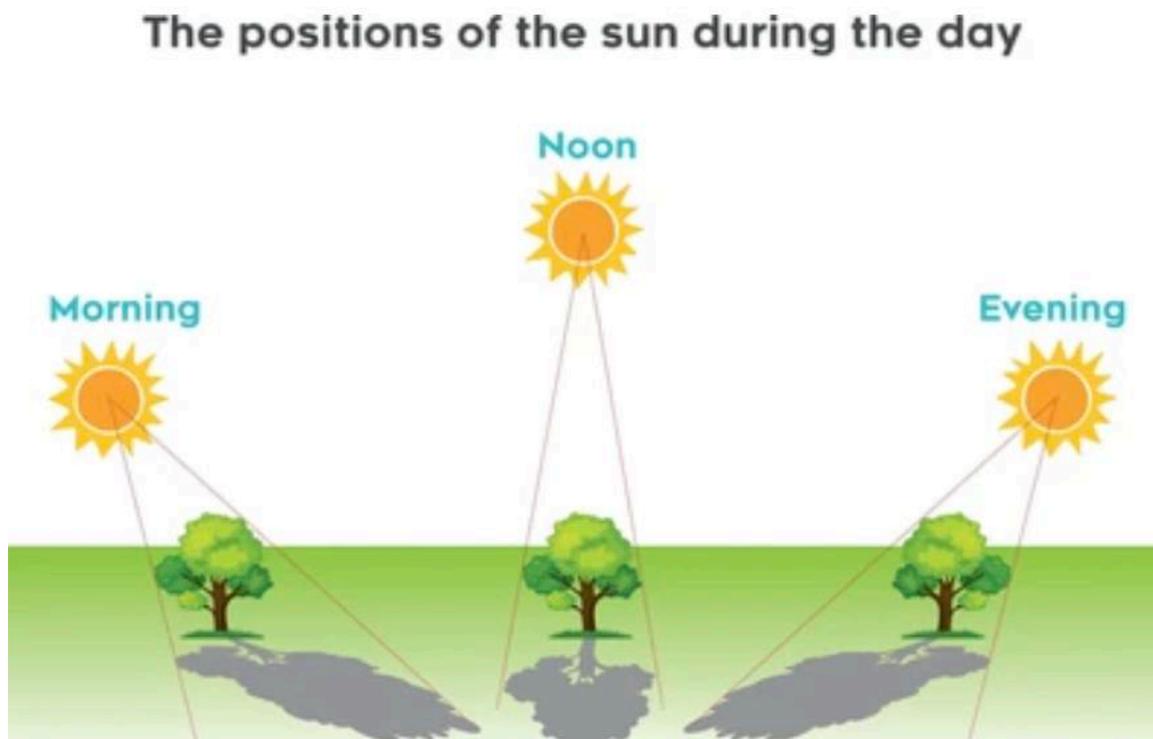
By 2070?

[Click for answer.](#)



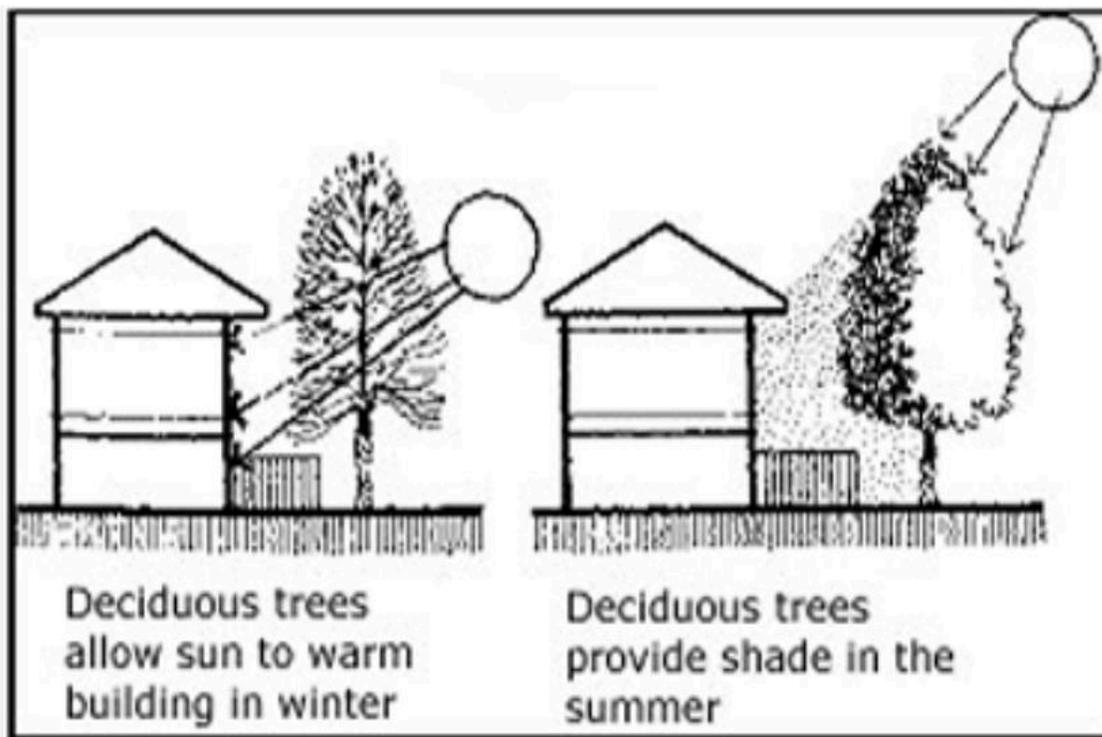
2. What is the temperature difference, on average, between a sunny area and a shaded area?

[Click for answer.](#)



3. Does shading the roof of a house reduce the temperature inside? If so, by how much?

[Click for answer.](#)



4. A calorie is a measure of heat needed to raise the temperature of 1 gram of water 1 degree Celsius. How many calories do you think it takes to melt 1 gram of ice?

[Click for answer.](#)

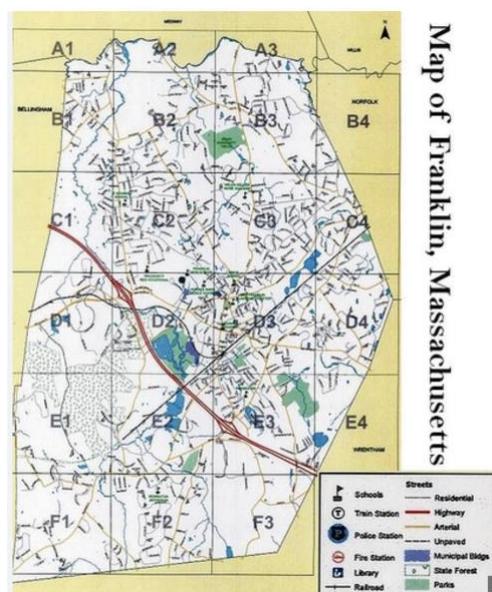


5. Franklin has an area of 27.03 square miles or about 17,300 acres.

(a) The 1970 population was 17,472.  
How many acres were used for residential properties?

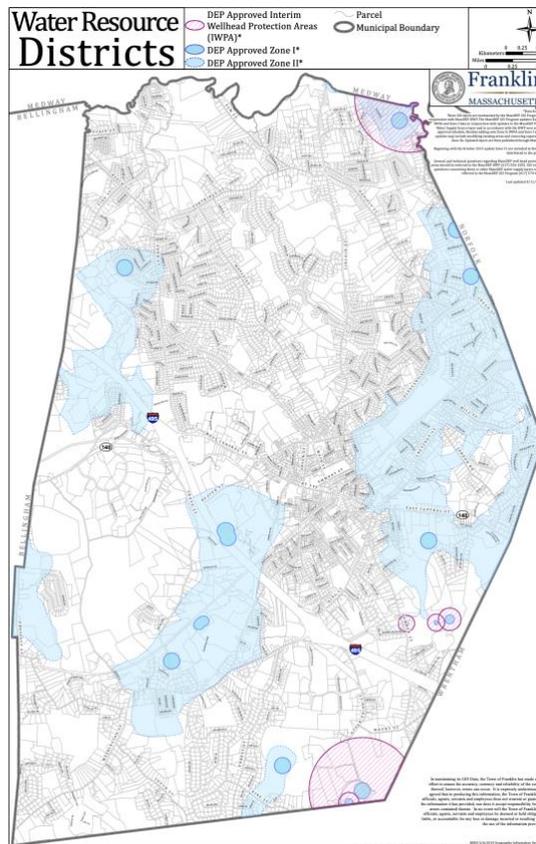
(b) The 2000 population was 29,560.  
How many acres were needed to accommodate the population increase of 11,730?

[Click for answer.](#)



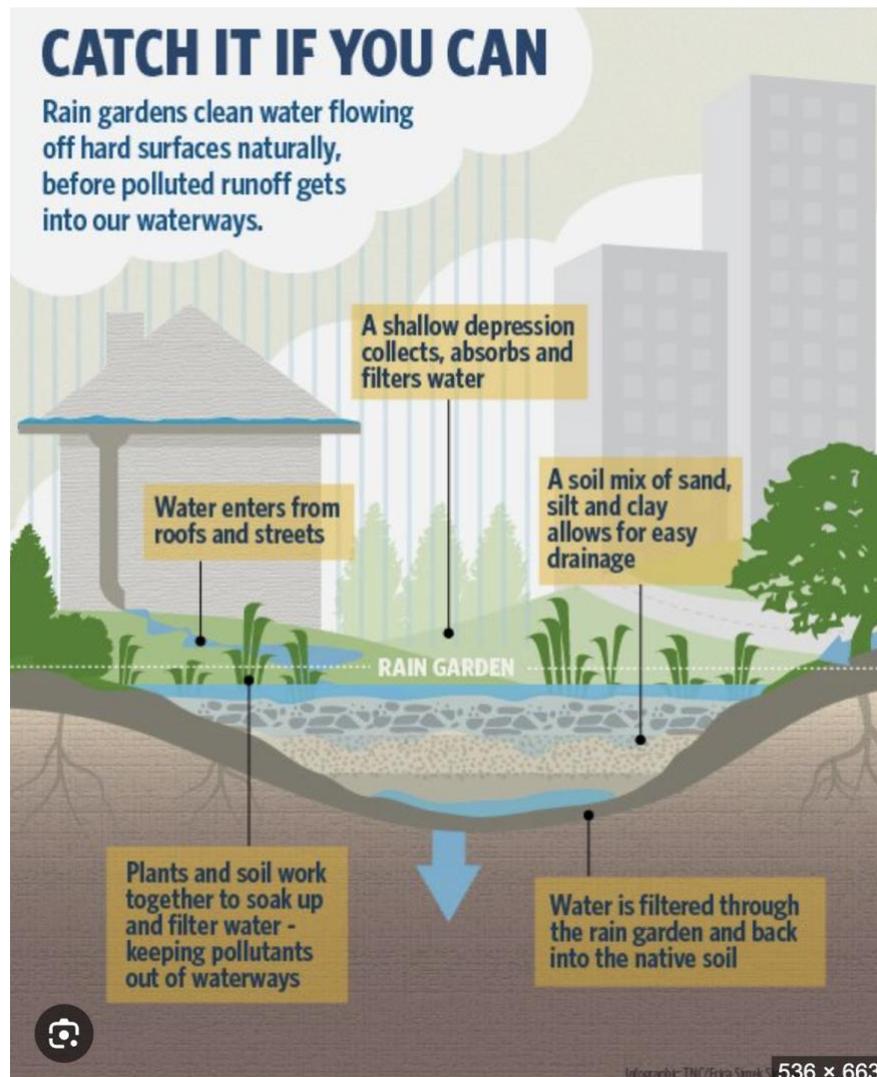
6. In FY2000, Franklin had 150 miles of water mains and 1,085,259,000 gallons of water were pumped from the aquifers. In 2022, there were 170 miles of water mains. How many gallons of water were pumped that year?

[Click for answer.](#)



7. Do you know what “Green Infrastructure” is? (a) Can you identify any examples of it in Franklin? (b) Can you name the most significant element of Green Infrastructure in Franklin?

[Click for answer.](#)



8. What type of infrastructure does Franklin use to manage stormwater, manmade or green?

[Click for answer.](#)



9. How much difference does a tree canopy make on the surface temperature of the ground?

[Click for answer.](#)

