

Urban Heat Island

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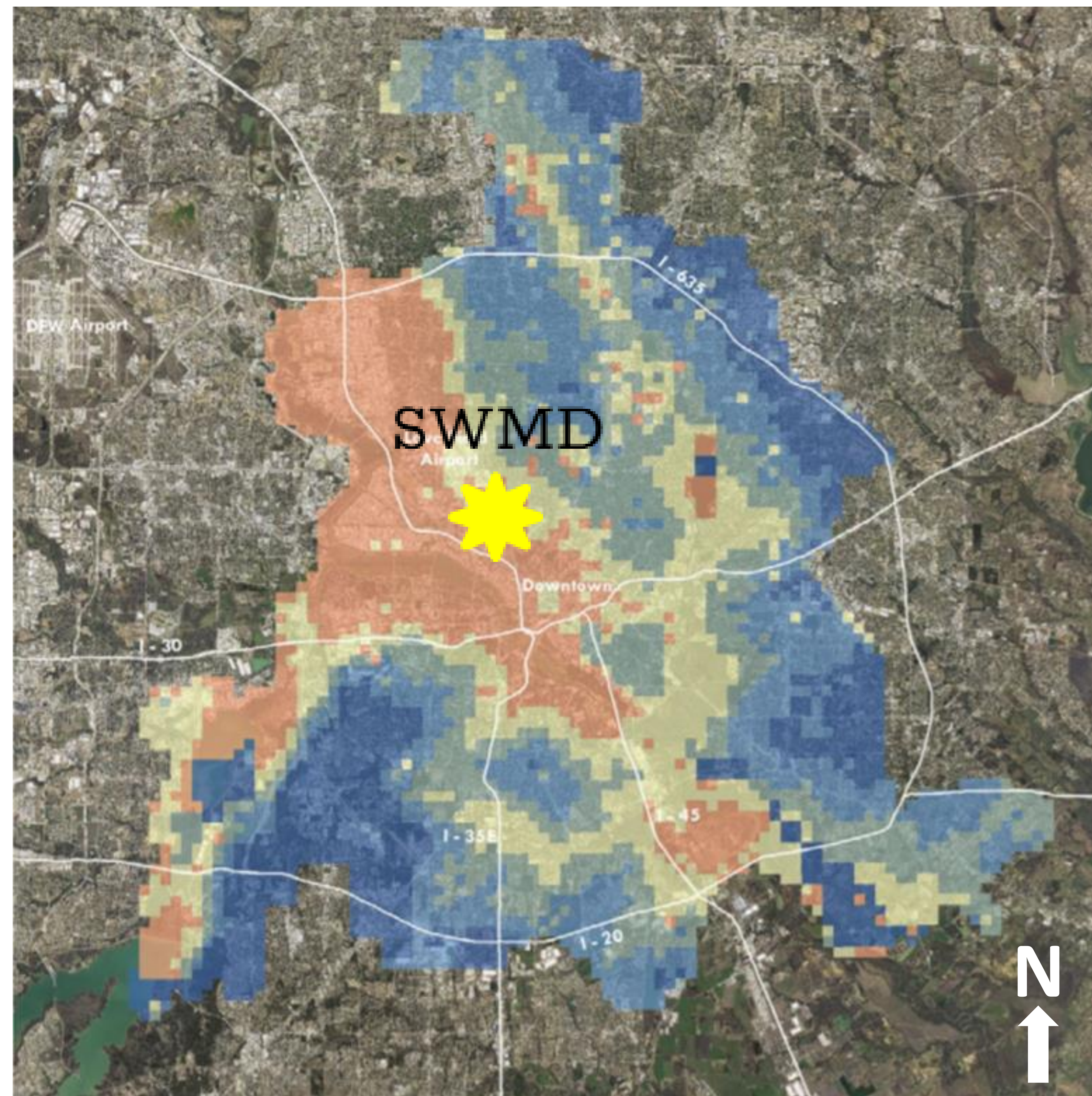
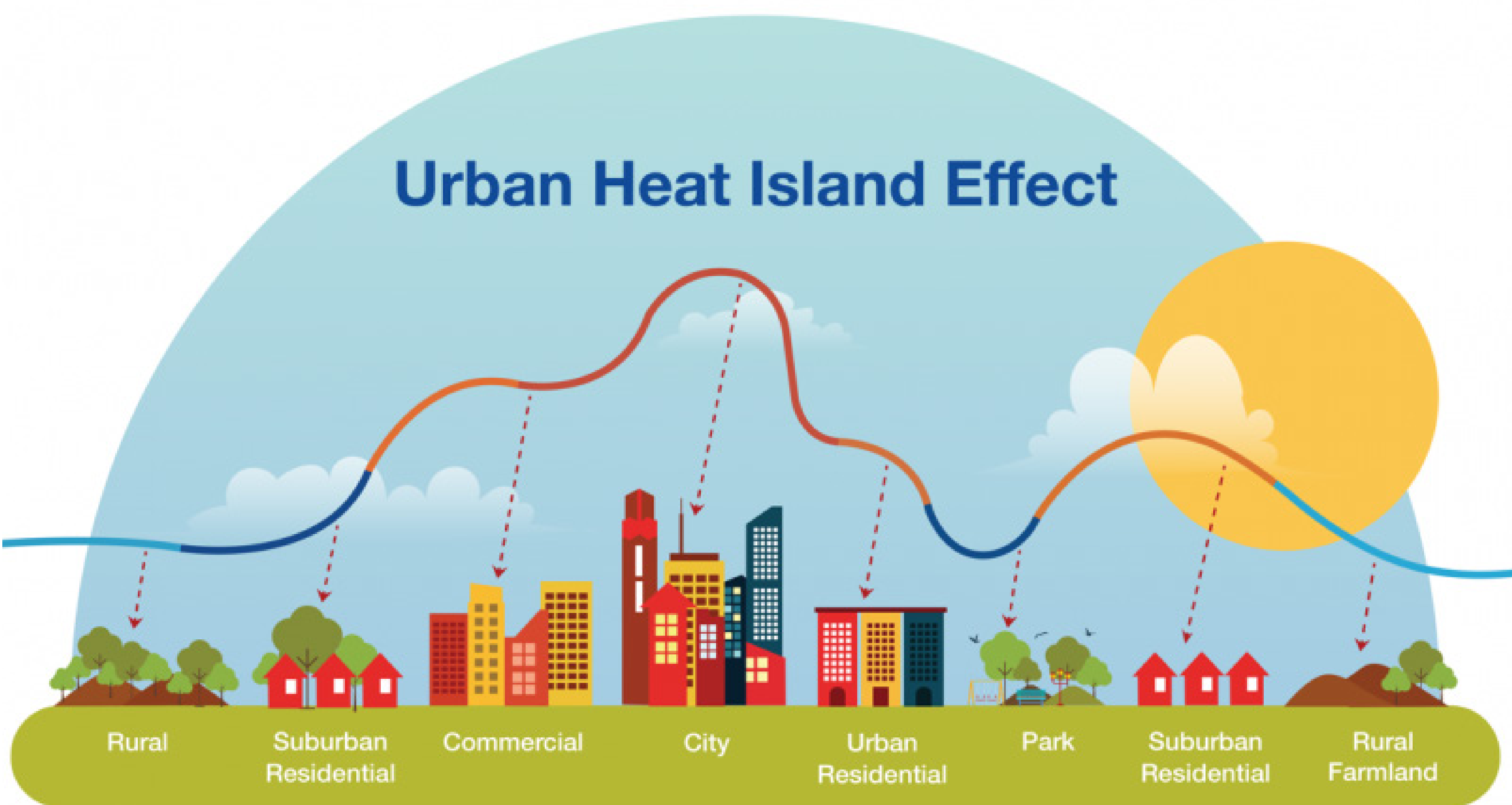


Urban Heat Island Overview

Heat islands are urbanized areas that experience **higher temperatures** than outlying areas. Structures such as buildings, roads, and other infrastructure **absorb** and **re-emit** the **sun’s heat** more than natural landscapes such as forests and water bodies. Urban areas, where these structures are highly concentrated and **greenery is limited**, become “**islands**” of higher temperatures relative to outlying areas.

Areas of Dallas can be up to 15°F hotter than surrounding rural areas. Some areas of Dallas can be up to 11°F hotter than others within the city limits. Due to the proximity of the SWMD to I-35 the Medical District is **HOT**

In 2017, the Texas Trees Foundation released a groundbreaking report on urban heat island impacts in the Dallas-Fort Worth area. This analysis found that the Southwestern Medical District lies within the second largest heat island in the country.



- Legend:
- 89.9 - 97.8 °F
 - 97.8 - 98.1 °F
 - 98.1 - 98.4 °F
 - 98.4 - 98.7 °F
 - 98.7 - 101.0 °F

Warm season (May through September) average daily high temperature (°F)