

RESILIENT EAST

Climate Ready Eastern Adelaide

EXPLORE THE HEAT LAYERS

The Urban Heat and Tree Mapping Viewer allows us to see high-resolution surface temperature data for the Adelaide metropolitan area.

Explore the data by turning on/off the layers available. These layers help us evaluate features that make up our neighbourhoods and discover opportunities to plan for more resilient communities and assets.

Explore the layers at resilienteast.com/map-viewer.

ABOUT THE LAYERS

Resilient East & City of Salisbury Heat Map data was collected on 10 March 2018 between 11:30 am - 4:00 pm for day, and, 11:00 pm - 3:30 am for night. The minimum temperature that day was 21.3°C, the maximum was 33.8°C. The data resolution is 2 metres, where each 2x2 metre pixel represents the average temperature within that space.

Social Vulnerability was developed using census data to create a simple Social Vulnerability index (SVI).

Capturing thermal data on a regular basis will allow us to assess the effectiveness of climate change adaptation measures, like greening, climate sensitive infrastructure and the use of water.

Note, water plays an important role in cooling cities. Just like evaporative air conditioners, water bodies cool surrounding air via evaporation. Like the River Torrens, which shows up cool / blue on the map!

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IMAGERY BASEMAP

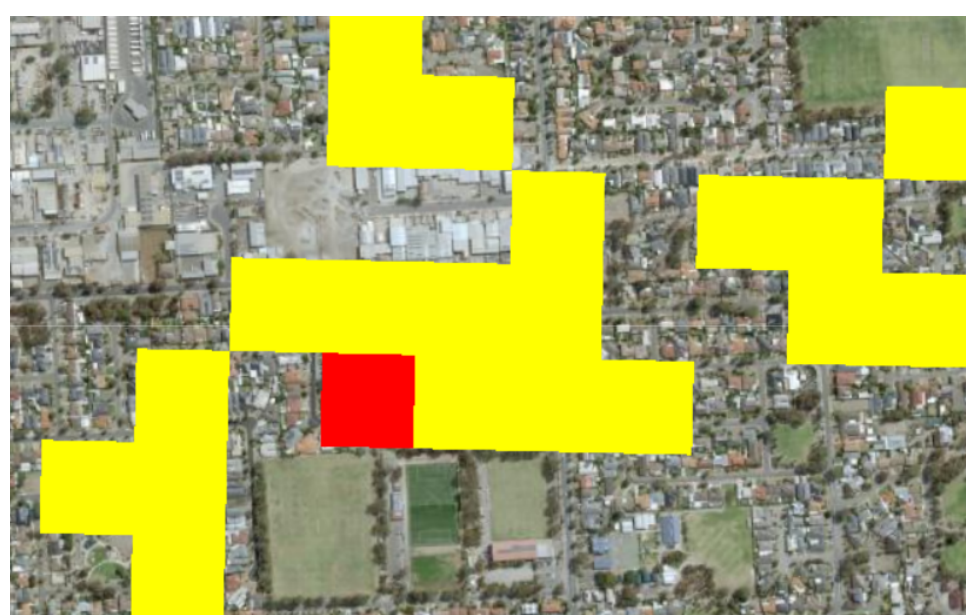
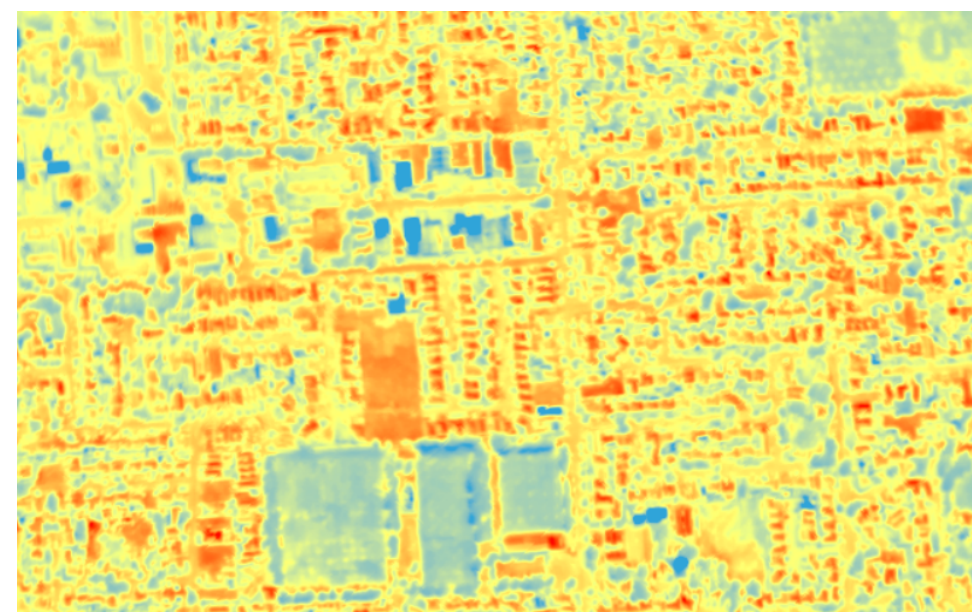
A 'bird's eye view' of what our neighbourhoods look like from above.

Access this layer simply by deselecting all other layers. It will remain as a basemap and cannot be turned off. Note: this aerial imagery is updated more often than other layers, therefore some things may not match up as changes on the land occur.

HEAT MAPS - DAY & NIGHT

On opening the Resilient East & City of Salisbury Heat Data menu, you will see two layers for heat. One captured in the day, the other at night.

The colour scale shows surface temperatures on the date of capture, from **coolest** (blue) to **hottest** (red).



HEAT ISLANDS - DAY & NIGHT

This layer shows 125m x 125m areas that experience above average surface temperatures. We call these 'heat islands'.

Yellow represents >2°C above average surface temperature. **Red** represents >4°C above average surface temperature.

SOCIAL VULNERABILITY - DAY

With heat islands, a social vulnerability index (SVI) is available so we can identify where vulnerable community members are exposed to heat.

The colour scale shows the least vulnerable in **light blue** to the most in **dark blue**.

