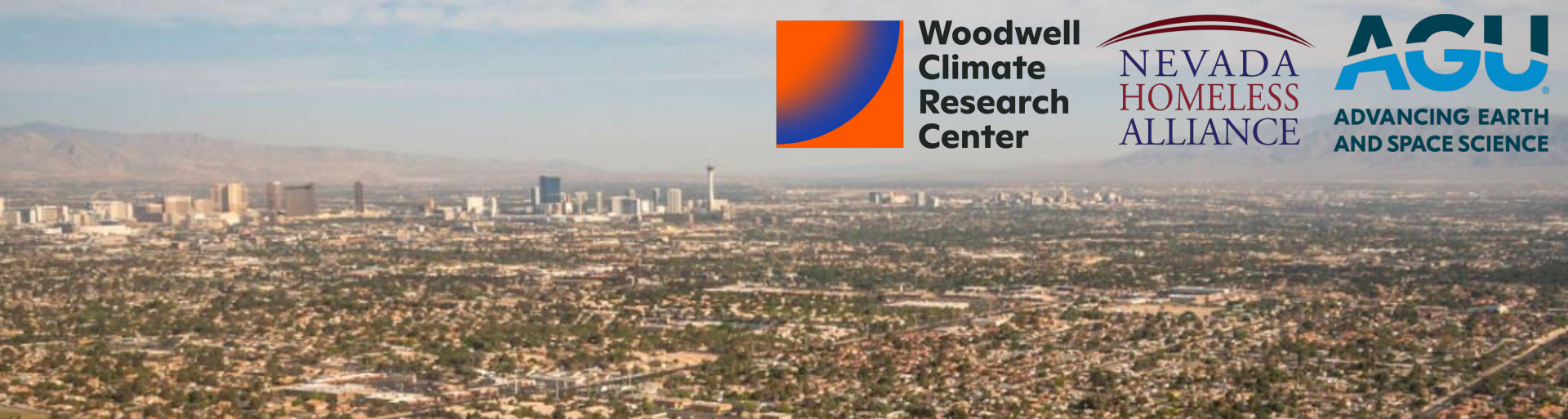




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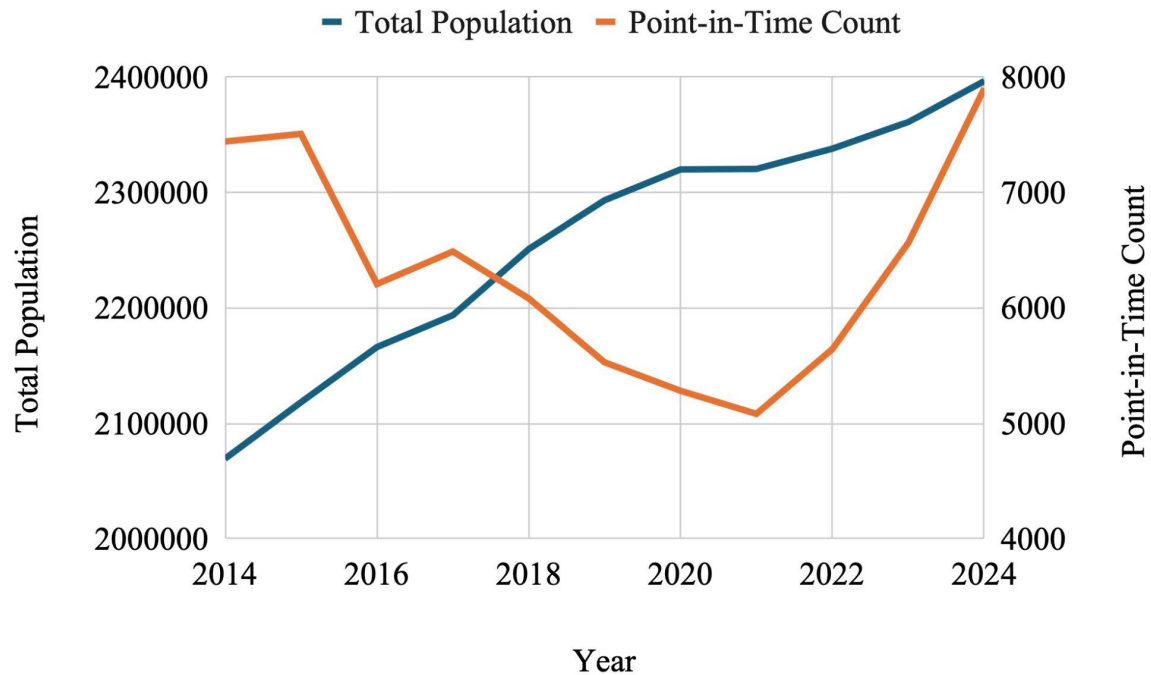
Integrating Local Knowledge of Homelessness With Climate Risk Metrics to Inform Intervention and Adaptation Planning

**Authors: Monica Caparas, Dr. Catrina Grigsby-Thedford, Southern Nevada Lived
X Consultants, Kelly Gassert, Dominick Dusseau, Dr. Christopher Schwalm**

Las Vegas Valley, Clark County



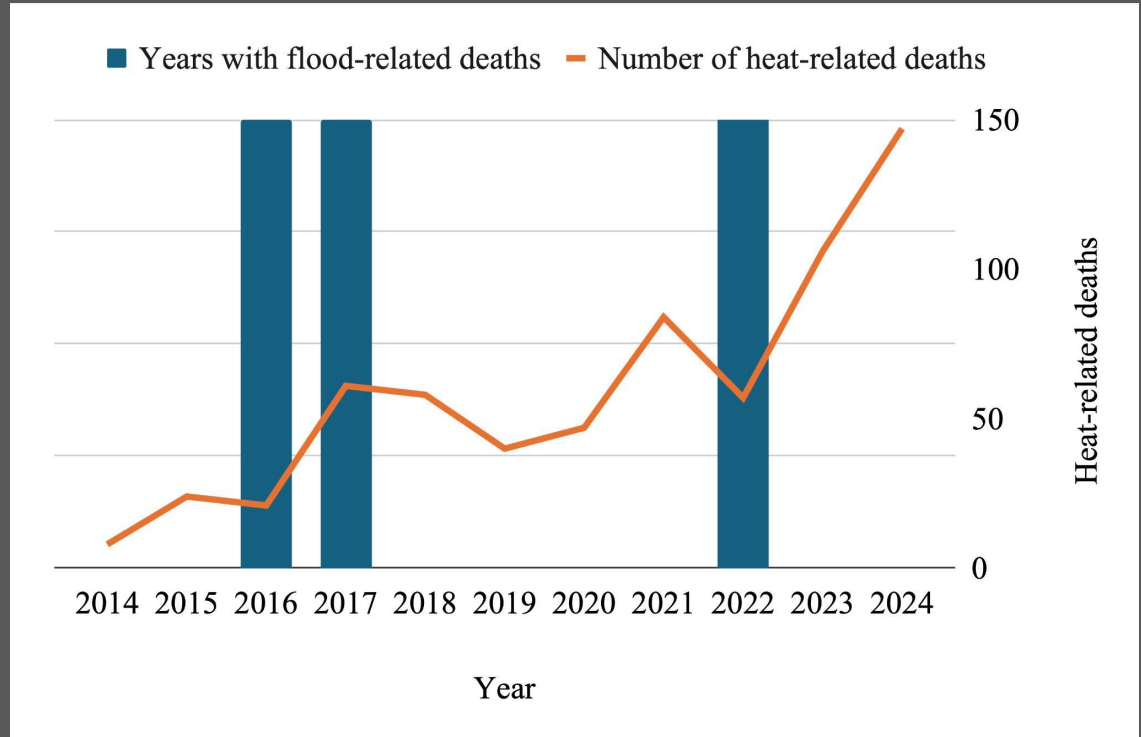
Source: USGS EROS



Source: Clark County Social Services

2024 was a decadal high for the number of people experiencing homelessness recorded on a given night.

People experiencing homelessness, especially unsheltered homelessness, are at the forefront of environmental risks.



Source: Southern Nevada Health District

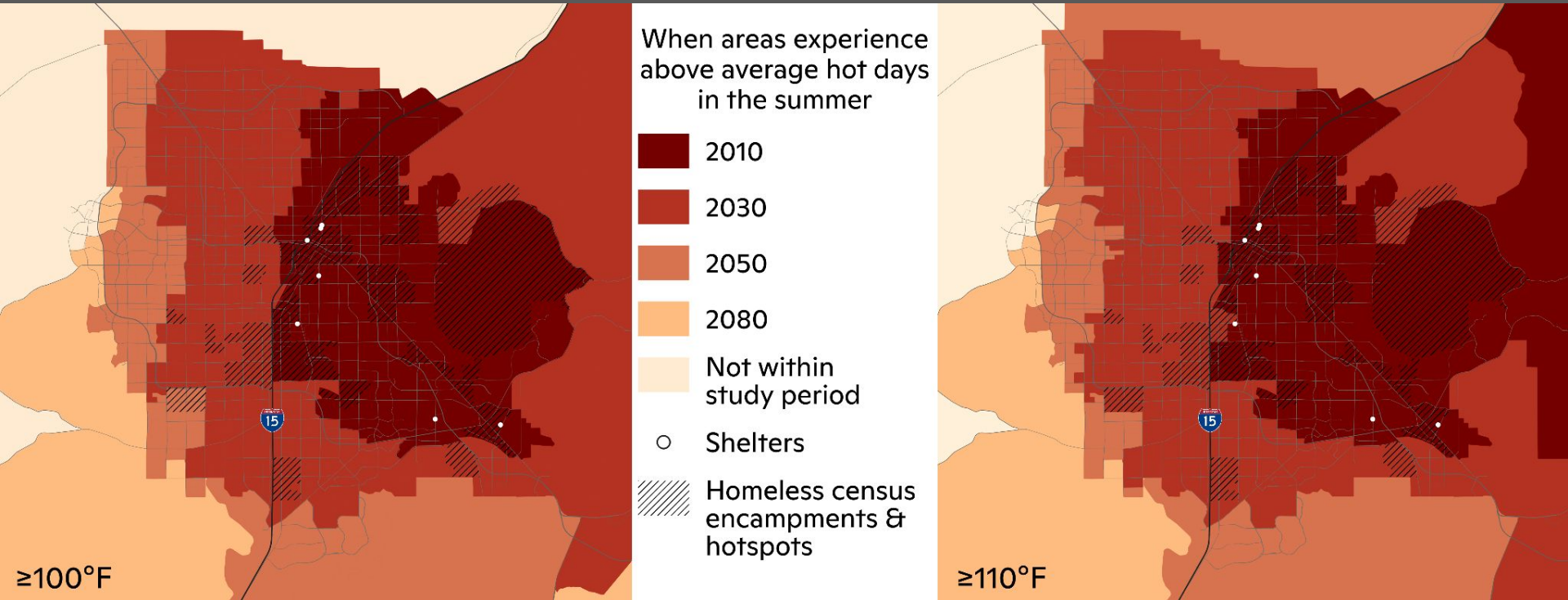
Local community and government relationships

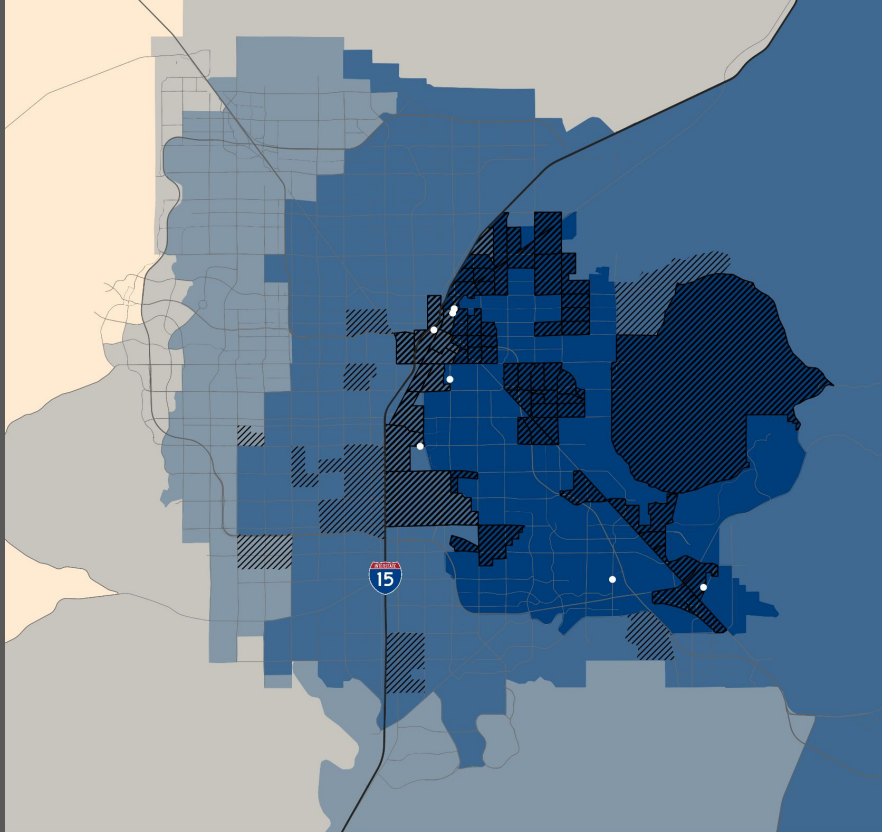


**Southern
Nevada Lived X
Consultants**



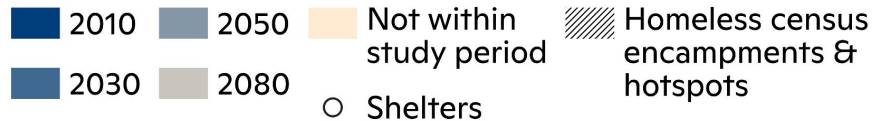
More than 80% of areas with encampments and hotspots already experience above average hot days in the summer.



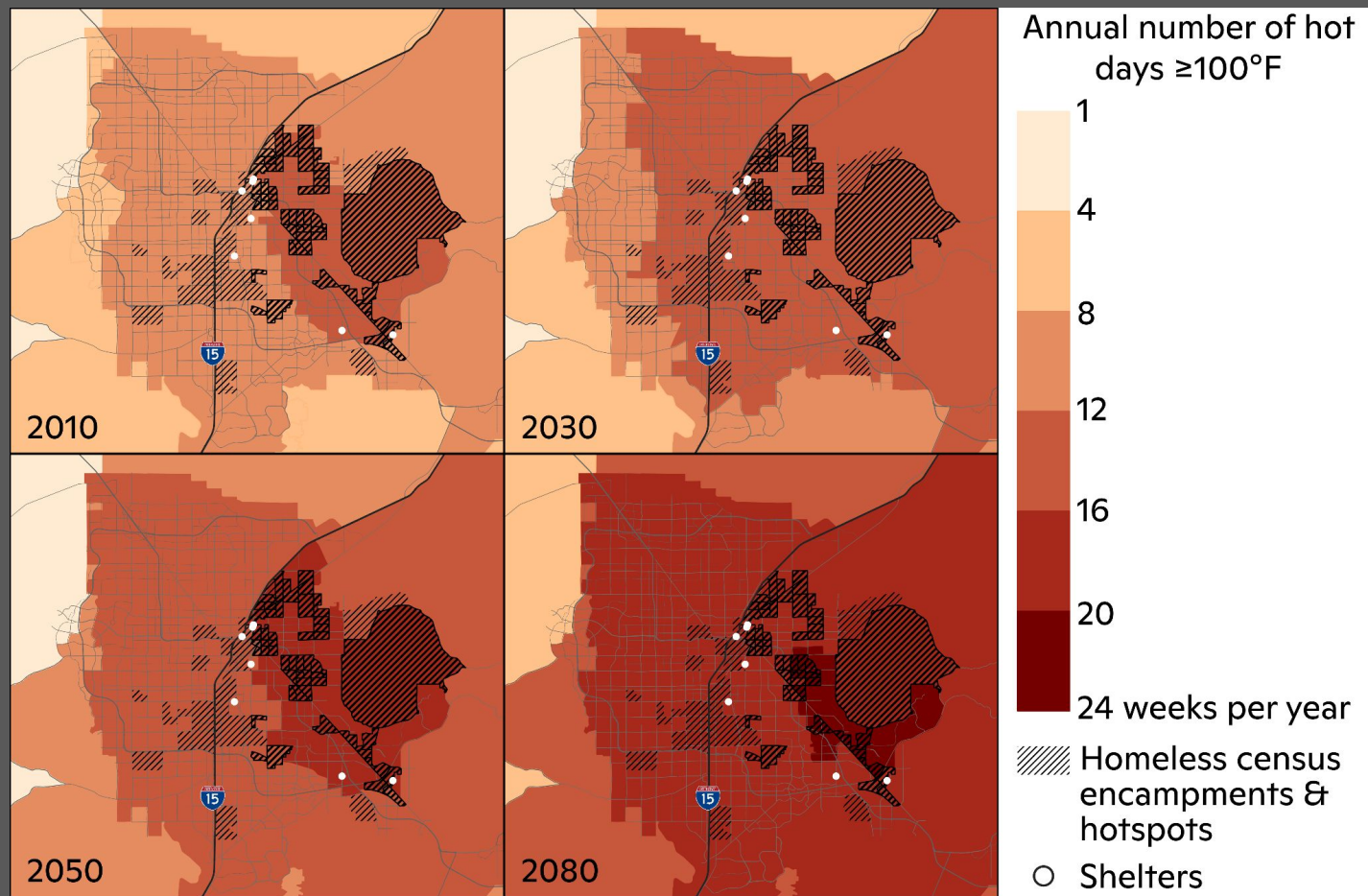


53 of the same areas that experience above average hot days also experience above average hot nights in the summer.

When areas experience above average hot nights $\geq 80^{\circ}\text{F}$ in the summer



As the number of 100°F days increases beyond summer, unequal heat exposure persists in areas with encampments and hotspots.





Proudly Serving Our Community

COOLING STATIONS



www.HelpHopeHome.org

Due to extreme heat, these locations are open July 3rd and 5th-10th, 2024, as daytime cooling stations for those in need of respite from the heat. Two locations are open July 4th, (as noted below).

WALNUT RECREATION CENTER

3075 N. Walnut Road
(south of E. Cheyenne Avenue)
Las Vegas, 89115
Phone: (702) 455-8402
Hours: 7:00am-6:00pm M-F

PEARSON COMMUNITY CENTER

1625 West Carey Avenue
(west of N. Martin Luther King Blvd)
Las Vegas, 89032
Phone: (702) 455-1220
Hours: 8:00am-6:00pm M-F

COURTYARD HOMELESS RESOURCE CENTER**

314 Foremaster Lane
(at Main Street)
Las Vegas, 89101
Phone: (702) 229-6117
• Open July 4th

THE SALVATION ARMY

35 West Owens Avenue
(near Stocker Street)
Las Vegas, 89030
Phone: (702) 701-5369
Hours: 8:00 am-4:00 pm daily
• Open July 4th

HOLLYWOOD RECREATION CENTER

1650 S. Hollywood Blvd
(north of American Beauty Ave)
Las Vegas, 89142
Phone: (702) 455-0566
Hours: 6:00am-8:00pm M-F
8:30am-3:00pm Sat

WHITNEY RECREATION CENTER

5712 E. Missouri Avenue
(south of Tropicana Blvd)
Las Vegas, 89122
Phone: (702) 455-7576
Hours: 8:00am-6:00pm M-F
Closed Weekends

ALEXANDER LIBRARY

1755 W. Alexander Road
(west of N MLK Blvd)
North Las Vegas, 89032
Phone: (702) 633-2880
Hours: 10:30am-8:00 pm M-Tu
9:00am-9:00pm Wed-Thu
9:00am-6:00pm Fri-Sat

NEIGHBORHOOD RECREATION CENTER

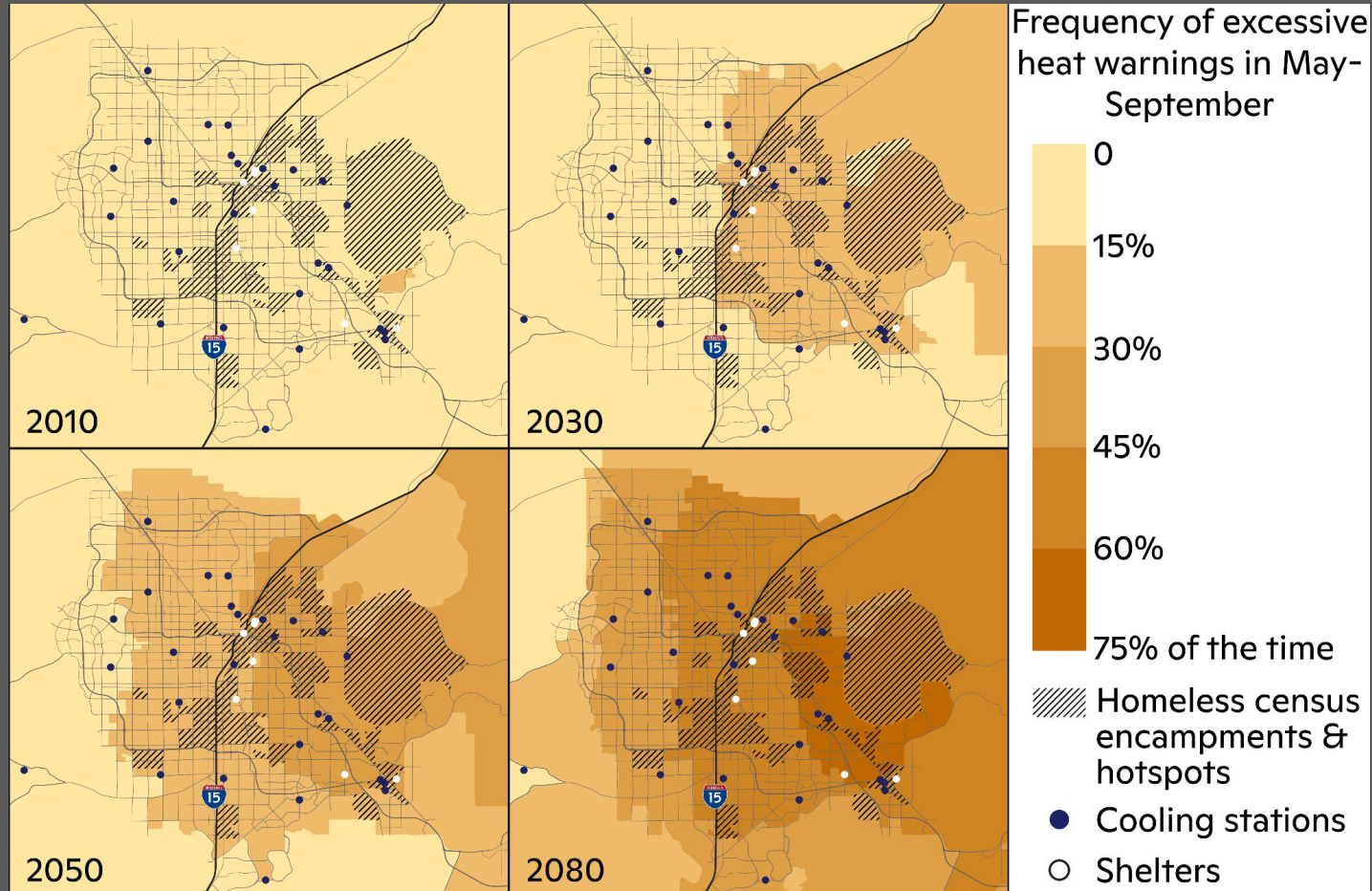
1638 N Bruce St
(at Stanley Ave)
North Las Vegas, 89030
Phone: (702) 633-1600
Hours: 9:00am-7:00pm M-Th
9:00-2:00 pm Sat

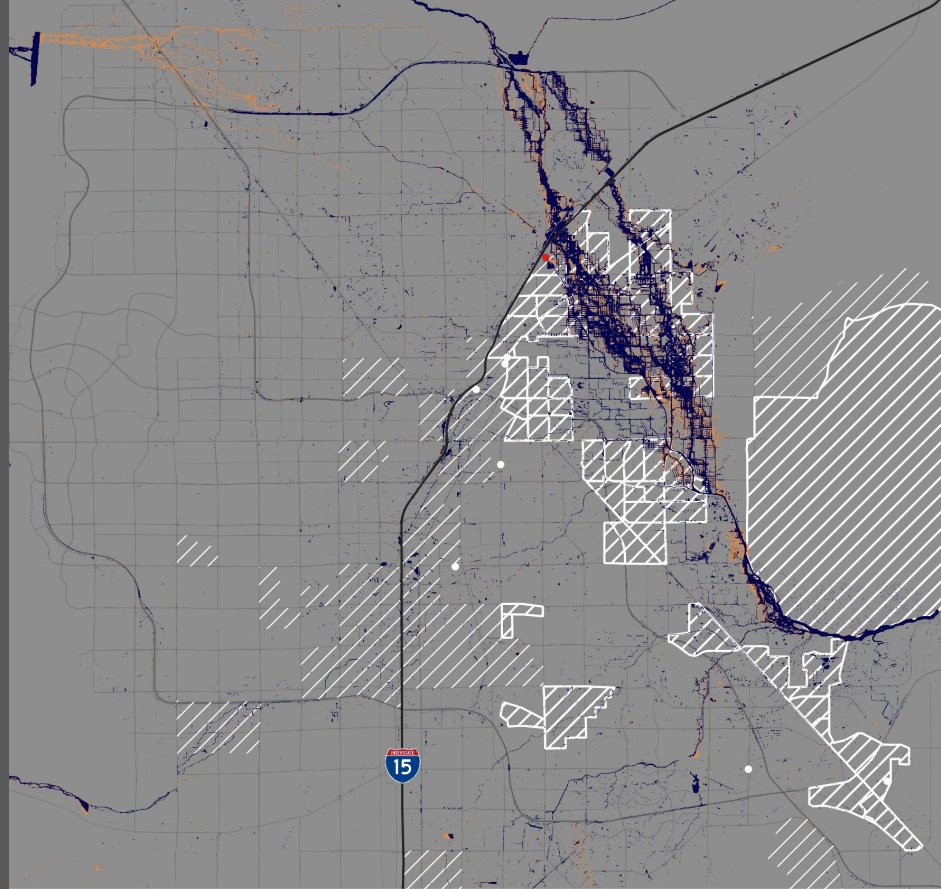
SILVER MESA RECREATION CENTER

4025 Allen Lane
(at W Alexander Rd)
North Las Vegas, 89032
Phone: (702) 633-2550
Hours: 9:00am-7:00pm M-Th
9:00-2:00 pm Sat

The primary county-level heat adaptation strategy is the activation of cooling stations when an excessive heat warning is issued.

Excessive heat warnings are projected to be issued 7x more frequently in 2080 compared to 2010.





In addition to heat risk, people experiencing homelessness who live in tunnels are exposed to flood risk presently and in the future.



Through working with people who have experienced or are currently experiencing homelessness and integrating their knowledge into climate and environmental metrics, science can center people to support local change.



Being in community and showing up outside of research builds trust and depth in working relationships.



Paths for future work

- Survey heat and flooding experiences of people experiencing unsheltered homelessness
- Map Nevada Homeless Alliance Project Connect Events and census-level Point-in-Time Count with climate risks
- Assess cold weather risk in Las Vegas Valley
- Explore seasonal migration of people experiencing homelessness between Reno and Las Vegas

According to the Center for Disease Control Social Vulnerability Index, **64 out of 77** census tracts with encampments and hotspots have high social vulnerability.

