

Summary of Phase 1 Monitoring

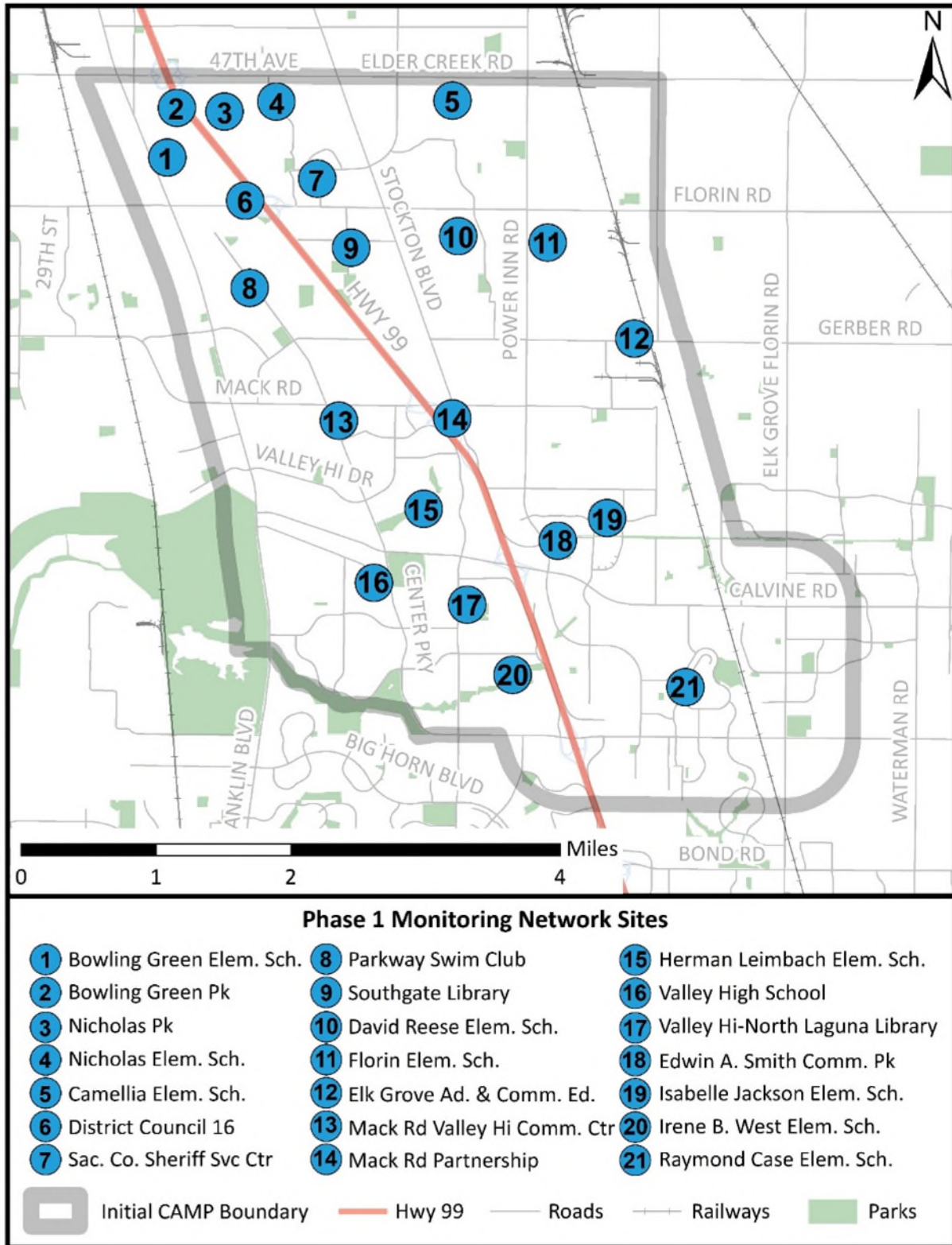
October 28, 2024

| Monitoring Phase | Monitoring Period | Number of Locations | Pollutants measured |
|---|---------------------|---------------------|---------------------|
| Phase 1 <i>Portable sensor network</i> | June 2019 - Present | 21 | PM _{2.5} |

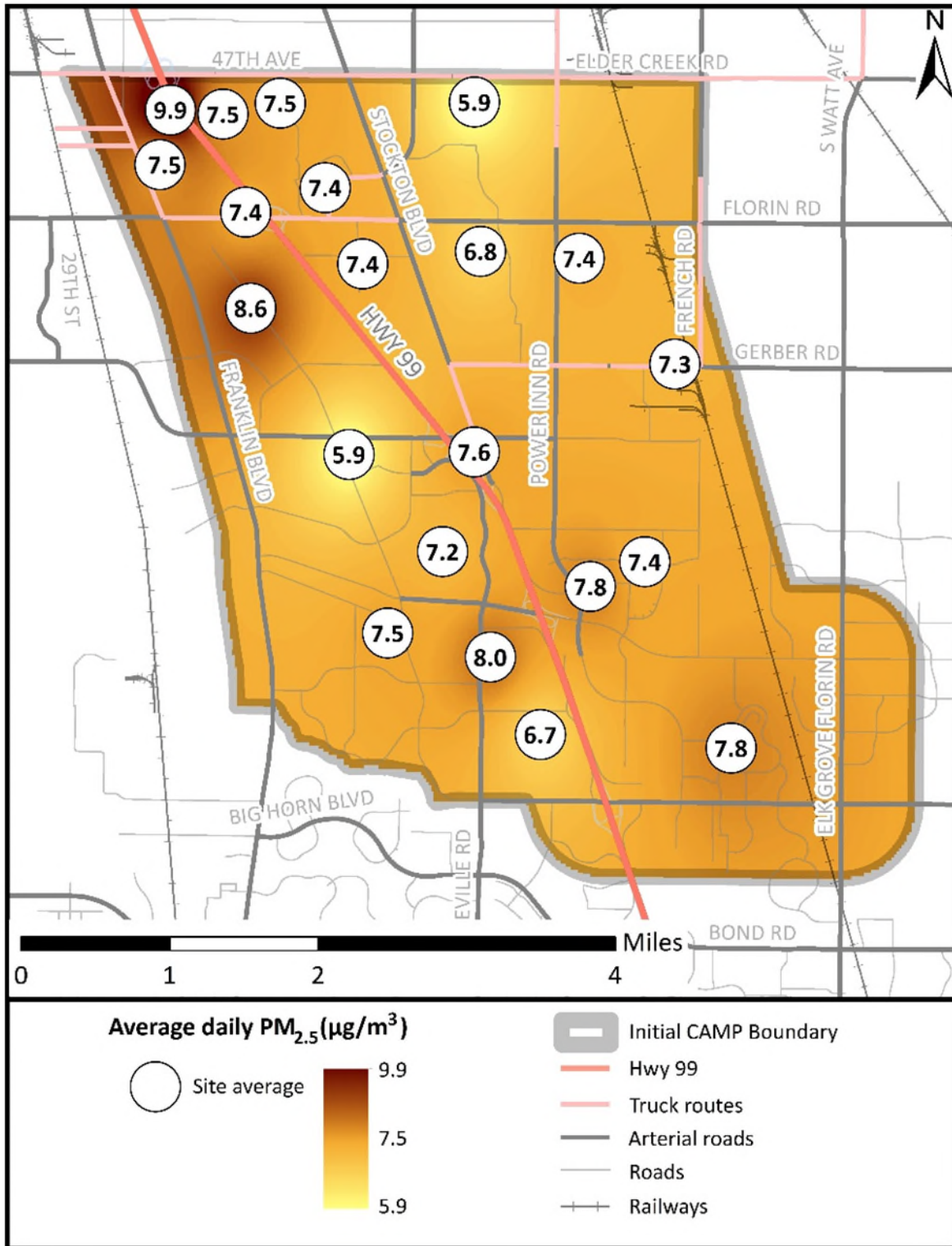
Phase 1 Monitoring Results Summary

| Pollutant | Site with greatest average levels | | Comparison to health standards | |
|---|-----------------------------------|--|--|--------------------|
| | | | Short-term exposure | Long-term exposure |
| Fine particulate matter (PM_{2.5}): <i>Increases risk of health problems with lungs and heart</i> | Bowling Green Park | <u>2020-2023</u> Levels unhealthy for sensitive groups or worse (above U.S. EPA 24-hour standard) during likely wildfire smoke impacted periods and late fall/winter months | <u>2020</u> Averages for all 21 sites above current U.S. EPA annual standard (9.0 µg/m³) | |
| | | | <u>2021</u> Averages for four sites above current U.S. EPA annual standard (9.0 µg/m³) | |
| | | | <u>2022</u> Averages for three sites (out of 20 still operating) above current U.S. EPA annual standard (9.0 µg/m³) | |
| | | | <u>2023</u> No site average (out of 16 still operating) above current U.S. EPA annual standard (9.0 µg/m³) | |

Map of Phase 1 Monitoring Locations

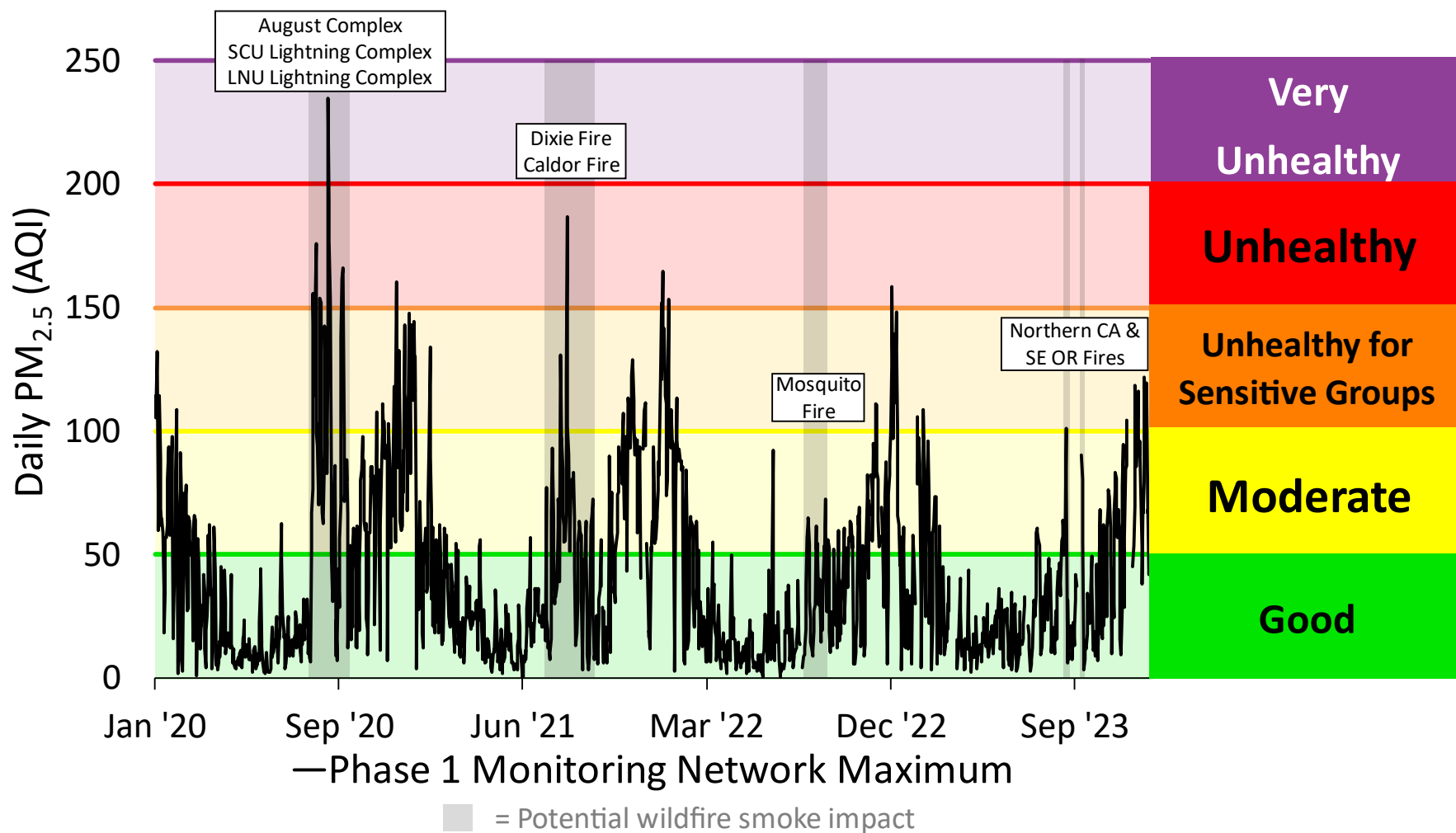


Phase 1 Monitoring – PM_{2.5} Site Averages



Averages shown are an average of days when all 21 sites had a valid daily average (total of 252 days from October 2020 - October 2021).

Phase 1 Monitoring Results – Time Series of PM_{2.5} Phase 1 Network Maximum



Phase 1 Monitoring Results – Comparison to U.S. EPA Annual Standard

| Phase 1 Site | Annual Average Daily PM _{2.5} (µg/m ³) | | | |
|--------------------------------|--|------------|-------------|------------|
| | 2020 | 2021 | 2022 | 2023 |
| Bowling Green Elem. School | 11.2 | 8.8 | 8.0 | 6.4 |
| Bowling Green Pk | 16.0 | 9.3 | 10.5 | 8.4 |
| Nicholas Pk | 11.3 | 8.9 | 6.5 | - |
| Nicholas Elem. School | 11.8 | 8.9 | 8.3 | <i>4.4</i> |
| Camellia Elem. School | 9.5 | 7.2 | 6.0 | - |
| District Council 16 | 10.9 | 8.8 | 7.7 | 6.2 |
| Sac. Co. Sheriff Svc Ctr | 11.7 | 8.7 | 7.6 | 6.2 |
| Parkway Swim Club | 12.5 | 8.3 | 9.6 | <i>7.9</i> |
| Southgate Library | 11.1 | 8.8 | 8.1 | 6.3 |
| David Reese Elem. School | 9.9 | 8.1 | 7.6 | 5.9 |
| Florin Elem. School | 11.5 | 8.8 | 8.0 | 6.3 |
| Elk Grove Adult & Comm. Ed. | 11.3 | 8.7 | 7.8 | 6.5 |
| Mack Rd Valley Hi Comm. Ctr | 9.6 | 7.5 | 7.4 | - |
| Mack Rd Partnership | 11.6 | 9.1 | 8.8 | 6.7 |
| Herman Leimbach Elem. | 11.4 | 8.8 | 8.0 | 6.3 |
| Valley High School | 11.7 | 9.2 | 8.6 | 6.5 |
| Valley Hi-North Laguna Library | 15.7 | 7.3 | - | - |
| Edwin A. Smith Comm. Pk | 11.3 | 9.5 | 8.5 | - |
| Isabella Jackson Elem. School | 11.4 | 8.9 | 7.9 | 6.4 |
| Irene B West Elem. School | 10.9 | 8.3 | 7.4 | 5.9 |
| Raymond Case Elem. School | 15.9 | 7.3 | 9.9 | 6.8 |

Annual average values are bolded if above the current U.S. EPA annual PM_{2.5} standard (9.0 µg/m³). Annual average values are in italics if less than 75% of daily values were valid in each calendar quarter. If no value is shown, there were no valid daily average values reported that year at that site.

Annual average was calculated from an average of each calendar quarter (as described in 40 CFR § 50 Appendix N Section 4.4).