

Application of Citizen Science Risk Communication Tools in a Vulnerable Urban Community

Purpose

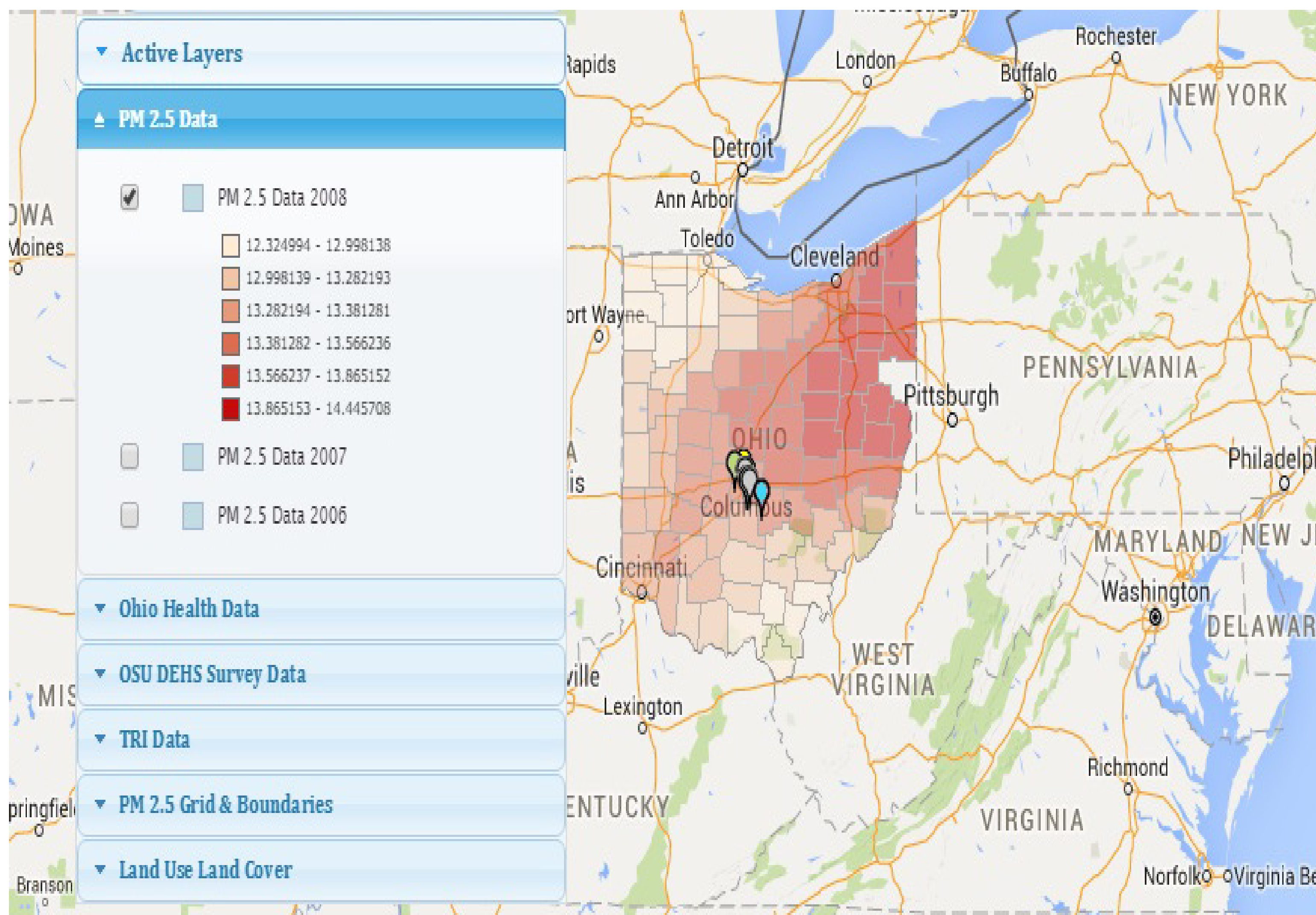
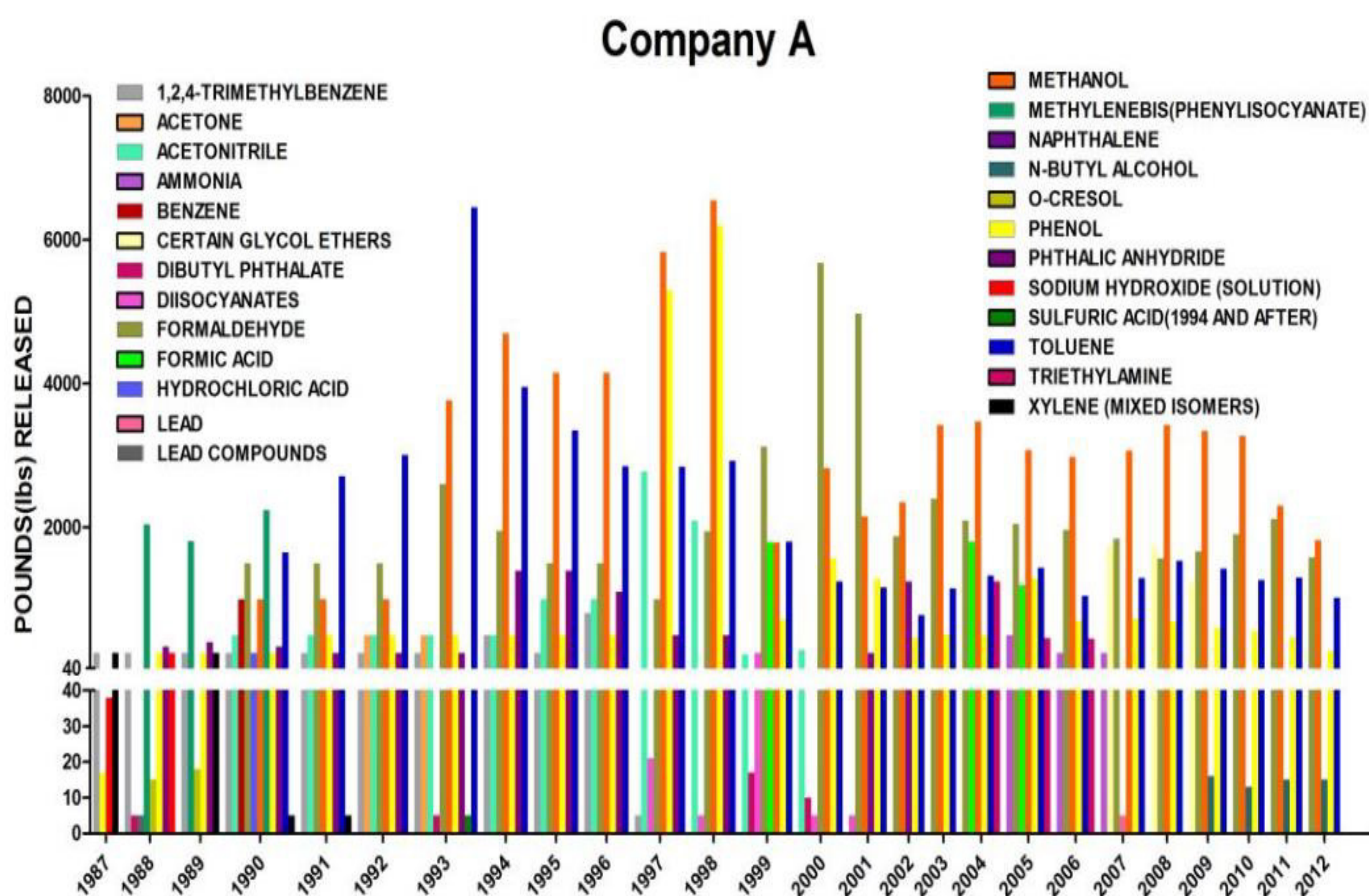
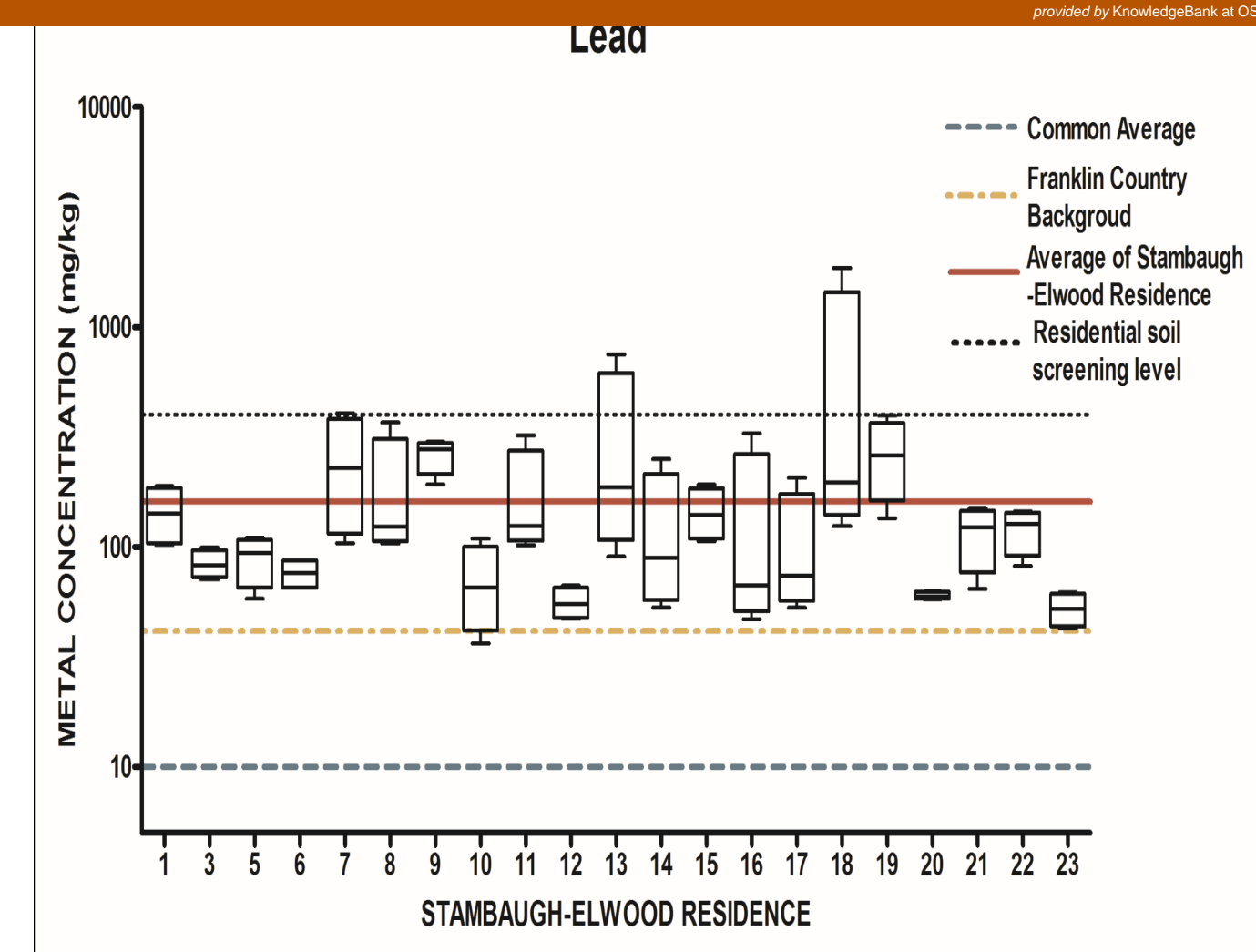
A public participatory geographical information systems (PPGIS) demographic, environmental, socioeconomic, health status portal was developed for the Stambaugh-Elwood community in Columbus, OH. A soil study was conducted at SE residences.

Impact

The results demonstrated that eight metals occurred at statistically-significantly greater levels than natural background levels, but most were below risk-based residential soil screening levels.

This study demonstrates that community-led coalitions in collaboration with academic teams and state agencies can effectively address environmental concerns.

This data when combined with the USEPA EJ Screen tool data for 43207 suggests that the Stambaugh-Elwood community is vulnerable.



Ohio State Colleges/Units Involved

School of Environment and Natural Resources
Division of Environmental Health Sciences
Division of Epidemiology
College of Public Health
Center for Clinical and Translational Science

Community Partners Involved

Columbus Public Health
Ohio-Environmental Protection Agency
Southside Health Advisory Committee
Stambaugh-Elwood Citizens for the Environment
VERTICES, LLC
Universities Space Research Association at NASA, Marshall Space Flight Center

How you can get involved:

- Participate with us in community mapping of Southern Gateway communities
- Provide funding to support community mapping projects
- Attend Southside Health Advisory Committee meetings
- Provide support for student projects
- Provide support for maintaining community PPGIS portal

To get involved, contact:

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