Sinkholes East-West Gateway Region October 2021 This map depicts known and probable sinkholes with developed land cover in the East-West Gateway region. Since sinkholes can cause serious damage, mitigation efforts avoid land development near sinkholes. Of sinkholes identified in the region, 26% on the Missouri side and at least 91% on the Illinois side of the region are completely within undeveloped land. LiDAR data enables the identification of probable sinkholes. Yet, the locations of many sinkholes still remain unknown. **LEGEND** • Sinkholes, Known and Probable ✓ Roads Undeveloped Land River / Lake County Boundary Developed Land Sinkholes datasets are maintained by the University of Illinois and Missouri Department of Natural Resources. For Illinois, point data for cover-collapse, karst sinkhole locations were identified using bare-earth lidar elevation data acquired during the leaf-off periods of 2009, 2011-2012, 2014-2015, and 2017-18. For Missouri, sinkhole areas were sourced from the Environmental Geology Sources: Illinois Sinkhole Points, Illinois State Geological Survey, Prairie Miscellaneous Report, Sinkhole Recognition Project, Environmental Geology Field Research Institute, University of Illinois, 2020; Sink Areas, Missouri Map, and Mobile GIS collection. Data from the National Land Cover Database Department of Natural Resources, 2018; U.S. Geological Survey, (NLCD) was grouped into the categories undeveloped and developed land and Multi-Resolution Land Characteristics (MRLC) consortium, a group of clipped to a half miles from sinkholes in Missouri and karst sinkhole areas for Illinois. federal agencies, 2019; East-West Gateway Council of Governments

