

## CONSIDERABLE GAPS IN FLOOD RISK REVEALED

- New research shows over 130K more homes are at risk of flooding
- Areas of low elevation or near sinkhole depression areas are vulnerable to rivers and creeks flooding
- Urbanization and heavy storms pose serious risk of flooding to communities as the ground is unable to absorb the moisture

## **Current Properties at Risk** Difference in number of properties

currently at substantial risk<sup>1</sup>

+ 130,200 ↑

## Properties at Risk by 2050 Total number of properties at substantial risk<sup>2</sup>

+ **7,300** (+3%) ↑

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96,800 227,000
FEMA First Street
Foundation
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**227,000** 2 in 2020

234,300 in 2050

the First Street Foundation Flood Model. Some counties may show higher FEMA counts due to a variety of factors, including the generalization of SFHAs, assumptions around flood protection measures, and local context. FEMA counts are estimated by MassiveCert, Inc. 'Substantial risk is calculated as invadation 1 cm or more to the building in the 100 return period (% annual risk) and rounded to the nearest 100 properties. See methodology for full model details.

## Kentucky cities with the greatest number of properties at risk<sup>3</sup> Percentages reflect total number of community properties having some level of flood risk.

| Municipality         | 2020   |     | 2050   |     | Change |       |
|----------------------|--------|-----|--------|-----|--------|-------|
| Louisville/Jefferson | 14,956 | 11% | 15,542 | 12% | +586   | +3.9% |
| Louisville           | 13,620 | 14% | 14,450 | 15% | +830   | +6.1% |
| Lexington-Fayette    | 8,317  | 7%  | 8,721  | 8%  | +404   | +4.9% |
| Ashland              | 2,718  | 25% | 2,761  | 25% | +43    | +1.6% |
| Owensboro            | 2,333  | 10% | 2,558  | 11% | +225   | +9.6% |
| Bowling Green        | 2,127  | 11% | 2,213  | 12% | +86    | +4.0% |
| Frankfort            | 1,922  | 19% | 1,953  | 19% | +31    | +1.6% |
| Hopkinsville         | 1,736  | 13% | 1,778  | 13% | +42    | +2.4% |
| Covington            | 1,478  | 9%  | 1,533  | 10% | +55    | +3.7% |
| Georgetown           | 1,166  | 9%  | 1,178  | 9%  | +12    | +1.0% |

<sup>3</sup> Risk is calculated as inundation of 1 cm or more to the building in the 500 return period (0.2% annual risk). See methodology for full model details. Threshold of at least 2,000 properties for municipalities shown.





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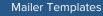
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