



CONSIDERABLE GAPS IN FLOOD RISK REVEALED

- New research shows nearly 119K homes are at risk of flooding
- Communities at the base of mountains have flooding concerns as winter and spring storms move rapidly downhill
- Phoenix is especially vulnerable to heavy rains in the mountains surrounding the Valley of the Sun

Current Properties at Risk		Properties at Risk by 2050	
Difference in number of properties currently at substantial risk ¹		Total number of properties at substantial risk ²	
- 10,800 ↓		+ 1,900 (+1.6%) ↑	
129,500 FEMA	118,700 First Street Foundation	118,700 in 2020	120,600 in 2050

¹ Comparison of count of properties within a Special Flood Hazard Area (1 in 100 layer) versus those with 1% risk from 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 zones are estimated by MassiveCert, Inc. ² Substantial risk is calculated as inundation 1 cm or more to the building in the 100 return period (1% annual risk) and rounded to the nearest 100 properties. See methodology for full model details.

Arizona cities with the greatest number of properties at risk³

Percentages reflect total number of community properties having some level of flood risk.

Municipality	2020		2050		Change	
Phoenix	62,351	143%	61,466	13%	-885	-1.4%
Glendale	25,429	37%	24,517	36%	-912	-3.6%
Scottsdale	17,781	15%	18,769	16%	+988	+5.6%
Peoria	7,850	11%	7,661	11%	+189	-2.4%
Maricopa	7,479	26%	7,099	25%	-380	-5.1%
Mesa	5,447	3%	5,899	4%	+452	+8.3%
Tucson	5,404	3%	5,348	3%	-56	-1.0%
Surprise	5,236	8%	5,099	8%	-137	-2.6%
Lake Havasu City	4,762	12%	4,807	12%	+45	+0.9%
Flagstaff	4,466	20%	4,608	20%	+142	+3.2%



³ 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.

368,000

Arizona properties at risk over the next 30 years

24,700

properties will face an “almost certain risk” with 99% chance of being impacted by a flood

13%

of Phoenix properties are at substantial risk of flooding

25%

of all flood insurance claims come from low- to moderate-risk flood zones

(source: FEMA)

Floods are the #1 natural disaster in the United States

\$69,000

average flood claim from 2005-2020

(source: FEMA)

1,900

Arizona property owners have made flood insurance claims since 2000 through the National Flood Insurance Program or the Individual Assistance Program

(source: FEMA)

Check your flood risk →

NFS RECOMMENDS

1

Raise awareness of community risk of flood with free social media tools

2

Check your clients flood risk at floodfactor.com

3

Create a custom quote for your client at <https://nationalfloodservices.com/agents-portal/agents/>

4

Inform your clients of their personal flood risk using our customizable email/letter and postcard templates.

Our resources include:

Social Media Tools

Email/Letter Templates

Mailer Templates

Get your Arizona Flood Toolkit here →

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