

America's Growing Flood Risk **North Dakota**



CONSIDERABLE GAPS IN FLOOD RISK REVEALED

- New research shows 26,100 additional North Dakota homes are at substantial risk of flooding
- Flooding threatens North Dakota homeowners with heavy rains associated with winter snowmelt and spring storms
- · Poor drainage due to urbanization leaves many areas of the state susceptible to flooding from heavy rainfall
- · Over the next 30 years there will be a 2.4% growth in the number of North Dakota properties at substantial risk of flood

Current Properties at Risk

Difference in number of properties currently at substantial risk1

+ 26,100 1

30,300

FEMA

56,400 First Street Foundation

Properties at Risk by 2050

Total number of properties at substantial risk²

+ 1,300 (+2.4%) 1

56,400 57,700

in 2020

North Dakota 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	
West Fargo	5,248	41%	5,256	41%	+8	+0.2%
Fargo	3,891	12%	3,959	12%	+68	+1.7%
Grand Forks	2,567	17%	2,598	17%	+31	+1.2%
Bismarck	2,297	9%	2,384	10%	+87	+3.8%
Minot	1,252	6%	1,292	6%	+40	+3.2%
Dickinson	1,154	11%	1,187	11%	+33	+2.9%
Mandan	1,146	14%	1,253	15%	+107	+9.3%
Williston	778	8%	806	8%	+28	+3.6%
Devils Lake	227	7%	234	8%	+7	+3.1%
Wahpeton	219	8%	230	8%	+11	+5.0%

annual risk). See methodology for full model details. Threshold of at least 2,000 properties for



58,000

North Dakota properties at risk over the next 30 years

12,000

of all North Dakota flooding today



Floods are the #1

\$69,000

Floods are regular occurrence along the rivers of North Dakota. The Red River, in fact, floods once every 3 years

https://www.ndstudies.gov/gr8/content/unit-iii-waves-devel opment-1861-1920/lesson-1-changing-landscapes/topic-5-bli zzards-floods-and-drought/section-3-floods)

NORTH DAKOTA STORM SIMULATION

Using its proprietary risk model, First Street Foundation recreated 2 major storm/flooding events that occurred since the year 2000 and calculated the number of properties that would be affected had the same storm/even struck today. Its findings are shocking.

Since 2000, nearly 30,400 North Dakota property owners have made flood insurance claims through the National Flood Insurance Program or the Individual Assistance Program.

Flood Event	Date	# Properties affected
River flood near Bismark, ND ⁴	2011 Jun	809
River flood nearTowner, ND	2011 Jun	356

Check your flood risk



NFS RECOMMENDS Our resources include: -Raise awareness of community risk of flood with free social media tools Email/Letter Check your clients flood risk at floodfactor.com Social Media Tools Mailer Templates Templates Create a custom quote for your client at https://nationalfloodservices.com/agents-portal/agents/ Inform your clients of their personal flood risk using our customizable email/letter and postcard templates. Get your North Dakota Flood Toolkit here 🕣