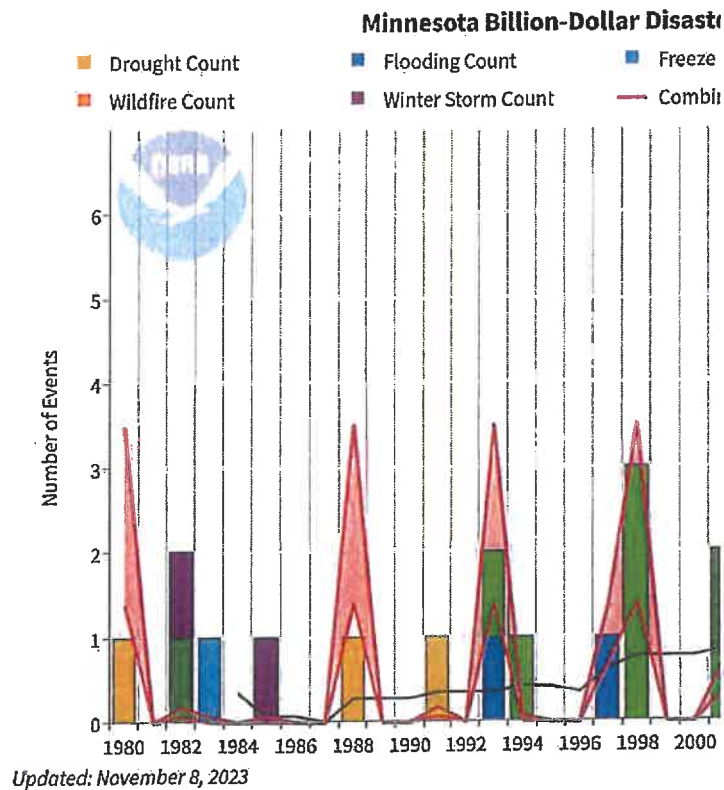


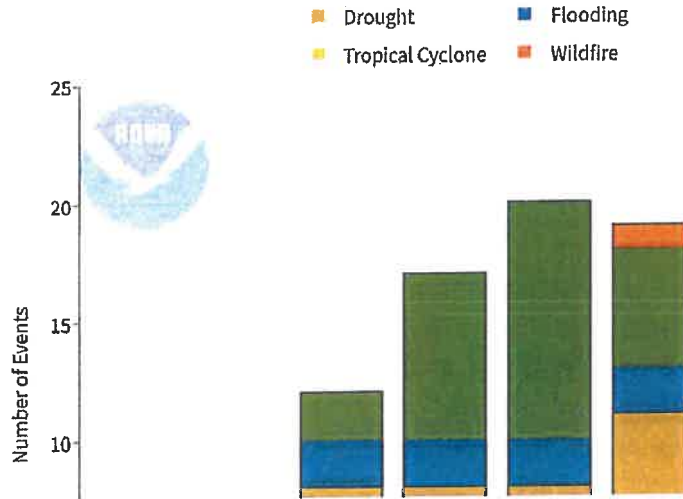
Minnesota

Minnesota Summary

From 1980–2023 (as of November 8, 2023), there have been 57 confirmed weather/climate disaster events with losses exceeding \$1 billion each to affect Minnesota. These events included 11 drought events, 5 flooding events, 1 freeze event, 35 severe storm events, 2 wildfire events, and 3 winter storm events. Overall, these events resulted in the deaths of 3,249 people and had significant economic effects on the areas impacted. The 1980–2022 annual average is 1.2 events (CPI-adjusted); the annual average for the most recent 5 years (2018–2022) is 2.6 events (CPI-adjusted).

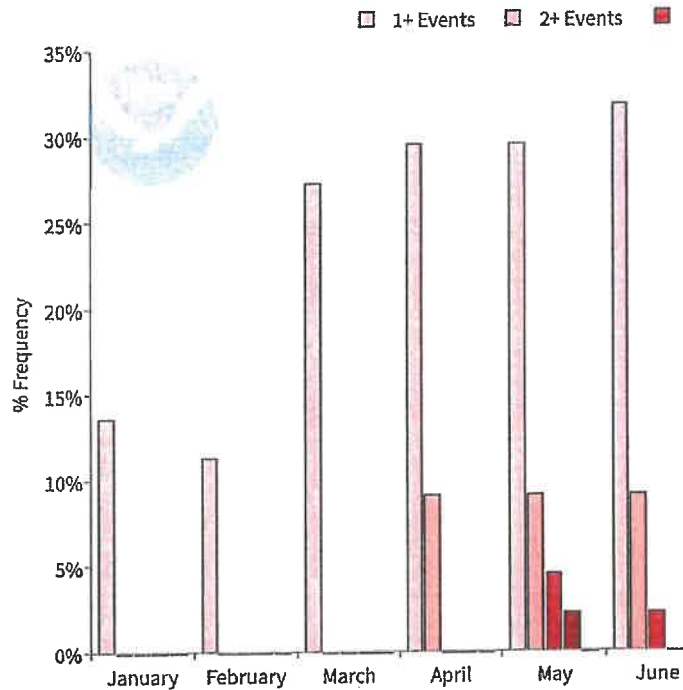


Minnesota Billion-Dollar Disaster Type (



Minnesota Billion-Dollar Disaster

Drought, Flooding, Freeze, Severe Storm



Updated: November 8, 2023

Billion-dollar events to affect Minnesota from 1980 to 2023*
(CPI-Adjusted)

| Disaster Type | Events | Events/Year | Percent Frequency | Total Costs |
|-----------------------------------|--------|-------------|-------------------|---------------|
| <input type="checkbox"/> Drought | 11 | 0.3 | 19.3% | \$5.0B-\$10.0 |
| <input type="checkbox"/> Flooding | 5 | 0.1 | 8.8% | \$5.0B-\$10.0 |
| <input type="checkbox"/> Freeze | 1 | 0.0 | 1.8% | \$5M-\$100 |

| Disaster Type | Events | Events/ Year | Percent Frequency | Total Costs | Percent of Total Costs |
|---|-----------|-----------------|----------------------|------------------------|---------------------------|
| <input type="checkbox"/> Drought | 11 | 0.3 | 19.3% | \$5.0B-\$10.0B | 24.1% |
| <input type="checkbox"/> Flooding | 5 | 0.1 | 8.8% | \$5.0B-\$10.0B | 14.7% |
| <input type="checkbox"/> Freeze | 1 | 0.0 | 1.8% | \$5M-\$100M | 0.1% |
| <input type="checkbox"/> Severe Storm | 35 | 0.8 | 61.4% | \$20.0B-\$50.0B | 60.2% |
| <input type="checkbox"/> Tropical Cyclone | -- | -- | -- | -- | -- |
| <input type="checkbox"/> Wildfire | 2 | 0.0 | 3.5% | \$5M-\$100M | 0.3% |
| <input type="checkbox"/> Winter Storm | 3 | 0.1 | 5.3% | \$100M-\$250M | 0.6% |
| <input type="checkbox"/> All Disasters | 57 | 1.3 | 100.0% | \$20.0B-\$50.0B | 100.0% |

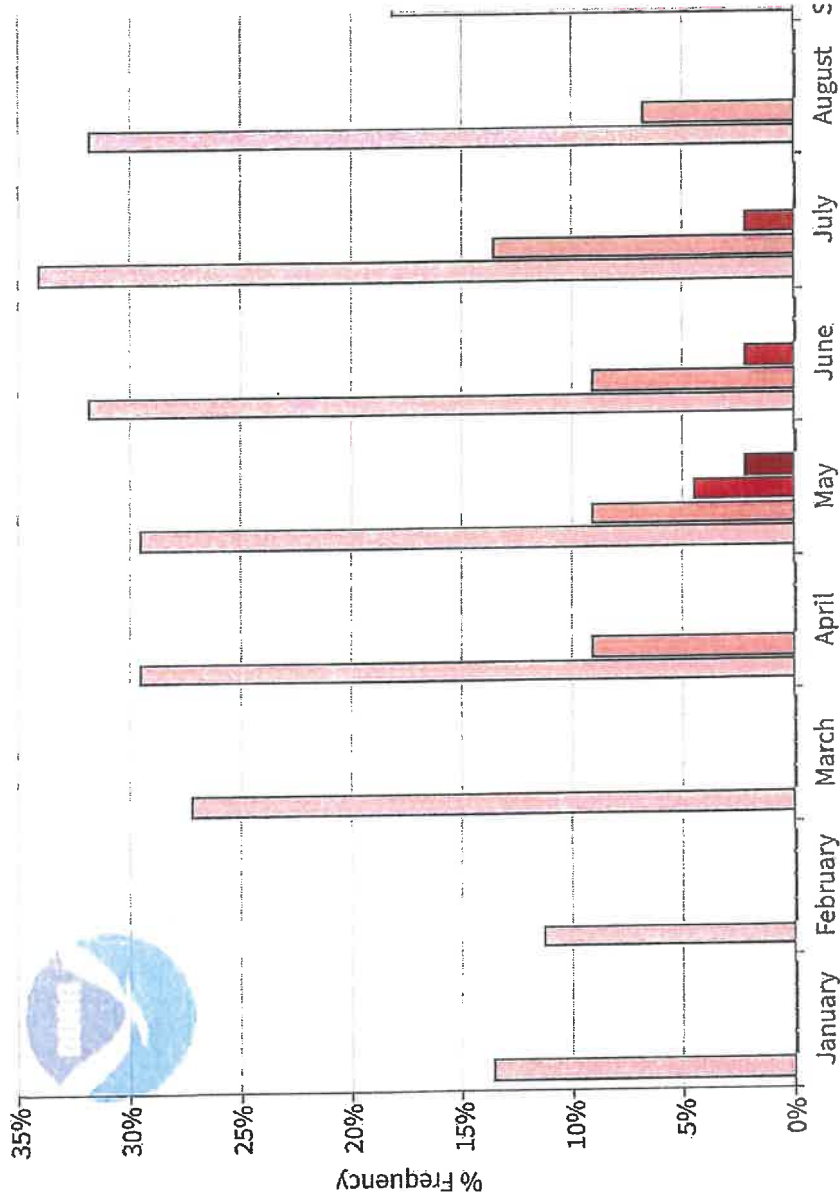
Select Time Period Comparisons of Minnesota Billion-Dollar Drought, Flooding, Freeze, Severe Storm, Tropical Cyclone, Wildfire, and Winter Storm Statistics (CPI-Adjusted)

| Time Period | Billion-Dollar Disasters | Events/ Year | Cost | Percent of Total Cost |
|-------------------|-----------------------------|-----------------|----------------|--------------------------|
| 1980s (1980-1989) | 6 | 0.6 | \$2.0B-\$5.0B | 12.0% |
| 1990s (1990-1999) | 8 | 0.8 | \$5.0B-\$10.0B | 21.8% |
| 2000s (2000-2009) | 14 | 1.4 | \$5.0B-\$10.0B | 17.4% |
| 2010s (2010-2019) | 11 | 1.1 | \$5.0B-\$10.0B | 20.4% |

Minnesota Billion-Dollar Disaster Frequency 1980-2021

Drought, Flooding, Freeze, Severe Storm, Tropical Cyclone, Wildfire

1+ Events 2+ Events 3+ Events 4+ Events



Updated: November 8, 2023

Billion-dollar events to affect Minnesota from 1980 to 2023* (CPI-Adjusted)