**CLENDENIN Flood Risk Report** (Incorporated Place Scale)   
  
Report URL: [www.mapwv.gov/FR/IP/Clendenin/Report-80thPCT](http://www.mapwv.gov/FR/IP/Clendenin/Report-80thPCT)

**RANKINGS FOR CLENDENIN, WV**

* **Ranked 1st** in flood risk for 229 *incorporated places*.
* **100% Cumulative Index Score** of 29 risk indicators.
* **10 of 29 risk indicators** reach the 90th percentile.
* **15 of 29 risk indicators** reach the 80th percentile.

**NOTEWORTHY FLOOD RISKS FACTS**

**Table 1.** A Cumulative Flood Risk Index of 29 flood factors reveals that **Clendenin** ranks number one in the state of all 229 municipalities with a Cumulative Flood Risk Score of **100%**. Below are **15** flood risk indicators above the 80th percentile. Click on the More Info link for rationale and recommendations of each indicator.

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk Indicator** | **Description** | **More Info** | **Supplementary Links** |
| **Flood Frequency** | 24 Declared Flood Disasters since 1953. | [🛈](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/WV_FloodRiskExplorer_TechnicalDoc_draft_20240521docx.pdf#page=10) | [County Natural Break](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/DeclaredDisasters_Count_County.pdf) | [County Percent Rank](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/DeclaredDisasters_PCTrank_County.pdf) |
| **Flood Depths** | 6.4-foot median of all high-risk floodplain structures. | [🛈](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/WV_FloodRiskExplorer_TechnicalDoc_draft_20240521docx.pdf#page=10) | [Depth > 5 ft.](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/BuildingDensityDepthOver5ft_BLRA_HeatMap_20240510.pdf) | [Depth > 10 ft.](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/BuildingDensityDepthOver10ft_BLRA_HeatMap_20240510.pdf) |
| **Building Exposure** | 302 buildings in high-risk flood zone. | [🛈](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/WV_FloodRiskExplorer_TechnicalDoc_draft_20240521docx.pdf#page=11) | [Natural Break](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/BldgCountSFHA_Count_Incorporated.pdf) | [Percent Rank](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/BldgCountSFHA_PCTrank_Incorporated.pdf) | [Detailed Building Count Report](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/BuildingCount_8scales_draft_20240521.pdf) | Debris Removal |
| **Building Ratio** | 52.5 percentage of buildings in floodplain. | [🛈](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/WV_FloodRiskExplorer_TechnicalDoc_draft_20240521docx.pdf#page=12) | Natural Break | [Percent Rank](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/FloodplainBuildingRatio_PCTrank_Incorporated.pdf) |
| **Building Density** | 1.28 buildings per acre in floodplain. | [🛈](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/WV_FloodRiskExplorer_TechnicalDoc_draft_20240521docx.pdf#page=12) | [Density](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/BuildingDensity_BLRA_HeatMap.pdf) |
| **Building Year** | 10.9% minus-rated structures constructed Post-FIRM. | 🛈 | [Density](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/BuildingDensityPostFIRMMinusRated_BLRA_HeatMap_20240510.pdf) |
| **Roads Inundated** | 52.5 percentage of buildings in floodplain. | 🛈 | [Density](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/InundatedRoads_HeatMap_20240517_Reduced3.pdf) | [Natural Break](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/InundatedRoad_Ratio_Incorporated_20240520.pdf) | Percent Rank |
| **Historical Assets** | 54 historical assets. | 🛈 | [Density](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/BuildingDensityHistoricCA_BLRA_HeatMap_20240513.pdf) | Natural Break | Percent Rank | Web Map |
| **Community Assets** | 16 non-historical assets. | 🛈 | [Density](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/BuildingDensityNonHistoricCA_BLRA_HeatMap_20240510.pdf) | Natural Break | Percent Rank | Web Map | Detailed Map |
| **Damage Count** | 46 substantially damaged buildings | 🛈 | [Density](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/BuildingDensitySubDmg_BLRA_HeatMap_20240510.pdf) |
| **Damage Ratio** | 15.2% substantially damaged buildings | 🛈 |  |
| **Damages Previously** | 122 previous damage claims. | 🛈 |  |
| **Repetitive Loss** | 24 repetitive loss structures. | 🛈 |  |
| **Population Ratio** | 66.8% of the population resides in the high-risk flood zone. | 🛈 | [Density](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/PopulationDisplacement_BLRA_HeatMap_20240516.pdf) |
| **Population Displaced** | 63.0% of population displaced from major flood event. | 🛈 |  |

**FLOOD RISK INDEX SCORES FOR CLENDENIN, WV**

**Table 2.** A Cumulative Flood Risk Index of 29 flood factors reveals that **Clendenin** ranks number one in the state of all 229 municipalities with a Cumulative Flood Risk Score of **100%**. Below are **15** flood risk indicators above the 80th percentile. [Cumulative Rank Static Graphic](https://data.wvgis.wvu.edu/pub/RA/RI/ST/Temp/CumulativeIndex_Incorporated_20240515.pdf).

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Flood Risk Indicator** | **Value for Clendenin (Red – Top 10%) (Orange – Top 20%)** | **Indicator Score  (0 - 100%)** |
| **FLOODPLAIN CHARCTERISTICS** | Declared Flood Disasters 🛈 | **24** | 88.1% |
| Median Flood Depth (Feet) 🛈 | **6.4** | 96.0% |
| **BUILDING EXPOSURE** | Buildings in High-Risk Flood Zone 🛈 | **302** | 91.2% |
| Floodplain to Community Bldg. Ratio 🛈 | **52.5%** | 97.8% |
| Building Density per acre | **1.28** | 80.2% |
| **BUILDING CHARACTERISTICS** | Post-FIRM Buildings (Minus-Rated) | **10.9%** | 88.5% |
| **CRITICAL INFRASTRUCTURE** | Roads Inundated Ratio | **51.8%** | 98.6% |
| **COMMUNITY ASSETS** | Historical Community Assets | **54** | 98.2% |
| Non-Historical Community Assets | **16** | 98.2% |
| **ESTIMATED / PREVIOUS DAMAGE** | Substantial Damage Count | **46** | 98.2% |
| Substantial Damage Ratio | **15.2%** | 99.5% |
| Total Number of Previous Claims | **122** | 88.1% |
| Number of Repetitive Losses | **24** | 88.3% |
| **PEOPLE / SOCIAL** | Population % Residing in Floodplain | **66.8%** | 94.7% |
| Displaced Population | **63.0%** | 96.9% |
| **Cumulative Flood Index Score of 29 Risk Factors (229 municipalities in WV)** | | | **100% (1st Rank)** |

**FLOOD RISK FACTORS OF CLENDENIN COMPARED TO OTHER PLACES**

**Table 3.** Flood risk indicator values for **Clendenin** compared to descriptive statistics of all municipalities.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Category** | **Flood Risk Indicator** | **Value for Clendenin** | **Median Value** | **Mean**  **Value** | **Min Value** | **Max Value** | **State Stats** |
| **FLOODPLAIN CHARCTERISTICS** | Declared Flood Disasters 🛈 | **24** | 17 | 17 | 9 | 28 | 64 |
| Median Flood Depth (Feet) 🛈 | **6.4** | 1.8 | 2.5 | 0.1 | 26.4 | 1.8 |
| **BUILDING EXPOSURE** | Buildings in High-Risk Flood Zone 🛈 | **302** | 58 | 140 | 11 | 2,685 | 82,408 |
| Floodplain to Community Bldg. Ratio 🛈 | **52.5%** | 11.3% | 15.5% | 63.1% | 0.2% | 7.4% |
| Building Density per acre | **1.28** | 0.75 | 0.93 | 0.07 | 4.53 | 0.16 |
| **BUILDING CHARACTERISTICS** | Building Year Construction (Post-FIRM Minus-Rated Structures) | **10.9%** | 2.4% | 4.8% | 0% | 40% | 5.8% |
| **CRITICAL INFRASTRUCTURE** | Roads Inundated Ratio | **51.8%** | 13.0% | 15.6% | 0% | 67% | 6.0% |
| **COMMUNITY ASSETS** | Historical Community Assets | **54** | 0 | 14 | 0 | 1,259 | 2,758 |
| Non-Historical Community Assets | **16** | 2 | 4 | 0 | 55 | 2,092 |
| **ESTIMATED / PREVIOUS DAMAGE** | Substantial Damage Count | **46** | 1 | 7 | 0 | 125 | 6,493 |
| Substantial Damage Ratio | **15.2%** | 0.9% | 5.9% | 77.4% | 0 | 7.9% |
| Total Number of Previous Claims | **122** | 20 | 72 | 0 | 2,873 | 27,882 |
| Number of Repetitive Losses | **24** | 5 | 5 | 0 | 1,574 | 9,689 |
| **PEOPLE / SOCIAL** | Population % Residing in Floodplain | **66.8%** | 15.9% | 23.3% | 0.1% | 100% | 11.0% |
| Displaced Population | **63.0%** | 8.0% | 16.1% | 0% | 100% | 6.6% |
| **Cumulative Flood Index Score of 29 Risk Factors (229 municipalities in WV)** | | | | | | |  |

**GENERAL INFORMATION STATISTICS FOR CLENDENIN**

**Table 4.** General Information and comparison statistics for **Clendenin**.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Total Area (Acres)** | **Total Structures** | **Total Population** | **Population  Density  (per sq mi)** | **Number of Households** | **Average Household Size** |
|  | | | | | | |
| **Clendenin** | **974** | **575** | **1,297** | **852.9** | **370** | **3.5** |
|  | | | | | | |
| STATE STATS | 15,500,454 | 1,118,761 | 1,801,049 | 74.4 | 711,352 | 2.5 |
| INCORPORATED PLACE | 1,297 | 1,475 | 2,763 | 1,2530 | 1,142 | 2.6 |
| Median | 559 | 559 | 940 | 1,056 | 354 | 2.5 |
| Mean | 1,297 | 1,475 | 2,763 | 1,2530 | 1,142 | 2.6 |
| Minimum | 34 (Sylvester) | 28 (Thurmond) | 4 (Thurmond) | 42.5 (Thurmond) | 4 (Thurmond) | 1 (Thurmond) |
| Maximum | 20,648 (Charleston) | 28,045 (Charleston) | 49,055 (Charleston) | 4,618.1 (Huntington\*\*) | 21779 (Charleston) | 4.7 (Pullman) |

**Figure 5.**  Map of **Clendenin** ([WV Flood Tool link](https://www.mapwv.gov/flood/map/?wkid=102100&x=-9055724&y=4648580&l=9&v=2))

