

# Fletcher town, VT

Risk-assessment baseline packet (county-level sections from Franklin County)

Town FIPS: 5001126500    Release: 2026-10    Data as of: 2026-09-30    Storm Events data through: 2026-06-30

Hazard Plain is an independent product built from public federal data. It is not a FEMA document and is not reviewed or endorsed by FEMA or any state agency.

## Summary

Plan status as of 2026-09-30: No plan row in FEMA data.

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$9,708,272 a year), Cold Wave (\$651,274) and Earthquake (\$631,041).

The tables that follow are organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B (B1-a to B2-c); each heading says which item its tables support.

## TERMS USED

**EAL:** expected annual loss: FEMA's modeled average yearly loss from a hazard.

**NRI:** FEMA's National Risk Index (version 1.20, December 2025).

**NFIP:** National Flood Insurance Program.

**RL, SRL:** repetitive loss and severe repetitive loss: flood-insured properties with repeated claims (definitions in B2-c).

**FMA, HMGP:** Flood Mitigation Assistance and Hazard Mitigation Grant Program, FEMA mitigation grants.

**PA:** FEMA Public Assistance: disaster aid to governments and some nonprofits.

**Zone-level:** NOAA logged the event for a National Weather Service forecast zone, which may include parts of neighboring counties.

**County-coded:** NOAA logged the event to this county.

**FIPS:** the federal code for a place; 5001126500 is this town.

**D0 to D4:** U.S. Drought Monitor categories, from abnormally dry (D0) to exceptional drought (D4).

**F/EF, EFU:** Fujita and Enhanced Fujita tornado ratings; EFU is an unrated tornado.

**kt, CONUS:** knots (1 kt is about 1.15 mph); the contiguous United States.

**CFR:** Code of Federal Regulations.

**A4-a, E1-a:** other items of FEMA's Local Mitigation Plan Review Tool (sources, and changes since the last plan).

**Dollars:** nominal (as reported, labeled with the year), not adjusted for inflation.

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Plan clock

No plan row in FEMA data

What changed since your last plan

Not available.

No plan row in FEMA data, so there is no approval date to count from.

Sources: 1, 2, 4, 6 (numbered list at the end)

Plan status for this town

Source: 1

|                        |      |        |      |          |         | Days to expiry<br><small>negative = days since expiry</small> | Update underway | Notes |
|------------------------|------|--------|------|----------|---------|---------------------------------------------------------------|-----------------|-------|
| Jurisdiction           | Type | Status | Plan | Approved | Expires |                                                               |                 |       |
| No rows for this unit. |      |        |      |          |         |                                                               |                 |       |

No jurisdictions listed in FEMA plan data for this unit.

State plan status and tribal plans in this state: see the state page.

## Supports FEMA checklist item B1-a: hazard identification

Inherited from Franklin County, county-level (county FIPS 50011); scope: whole section.

Hazards NRI does not cover (local data needed)

- dam failure (incl. upstream dams)
- levee failure
- flash flood as its own subtype
- ice jams
- debris flows
- erosion (riverine and coastal)
- land subsidence and sinkholes
- expansive soils

### The 18 National Risk Index hazards, ranked by expected annual loss (EAL)

Sources: 5, 6

| Rank<br>by EAL | Hazard          | NRI risk<br>rating  | EAL rating          | EAL buildings<br><i>modeled dollars<br/>per year</i> | EAL<br>agriculture<br><i>modeled dollars<br/>per year</i> | Cost of expected<br>deaths and injuries<br><i>FEMA's dollar value per<br/>year, not property<br/>damage</i> | EAL total (see<br>note)<br><i>modeled dollars<br/>per year</i> | Storm Events<br>records, 1996 to<br>2026-06-30<br><i>count</i> | Storm Events coverage note                                                                                                           |
|----------------|-----------------|---------------------|---------------------|------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 1              | Inland Flooding | Relatively Low      | Relatively Low      | \$9,674,744                                          | \$7,585                                                   | \$25,944                                                                                                    | \$9,708,272                                                    | 55                                                             |                                                                                                                                      |
| 2              | Cold Wave       | Relatively Low      | Relatively Low      | \$293                                                | \$47,557                                                  | \$603,424                                                                                                   | \$651,274                                                      | 33                                                             | Includes 5 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor). |
| 3              | Earthquake      | Relatively Low      | Relatively Low      | \$550,057                                            | n/a                                                       | \$80,983                                                                                                    | \$631,041                                                      |                                                                | Storm Events does not record earthquakes.                                                                                            |
| 4              | Lightning       | Relatively Moderate | Relatively Moderate | \$49,508                                             | n/a                                                       | \$538,214                                                                                                   | \$587,723                                                      | 4                                                              |                                                                                                                                      |
| 5              | Strong Wind     | Relatively Low      | Relatively Low      | \$135,707                                            | \$28,054                                                  | \$241,021                                                                                                   | \$404,782                                                      | 184                                                            | Includes 31 High Wind and 42 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).           |
| 6              | Heat Wave       | Very Low            | Relatively Low      | under \$1                                            | \$50,248                                                  | \$230,150                                                                                                   | \$280,398                                                      | 7                                                              |                                                                                                                                      |
| 7              | Hurricane       | Relatively Low      | Relatively Low      | \$160,137                                            | \$93,563                                                  | \$7,512                                                                                                     | \$261,213                                                      | 0                                                              | Declared 3 times; no Storm Events record of this type.                                                                               |
| 8              | Ice Storm       | Relatively Moderate | Relatively Moderate | \$232,454                                            | n/a                                                       | \$23,617                                                                                                    | \$256,071                                                      | 3                                                              |                                                                                                                                      |
| 9              | Tornado         | Very Low            | Very Low            | \$58,290                                             | \$383                                                     | \$134,289                                                                                                   | \$192,963                                                      | 0                                                              | No recorded events in Storm Events since 1996 (data through 2026-06-30).                                                             |
| 10             | Winter Weather  | Relatively Low      | Relatively Moderate | \$94,644                                             | \$399                                                     | \$28,866                                                                                                    | \$123,909                                                      | 317                                                            |                                                                                                                                      |
| 11             | Hail            | Very Low            | Very Low            | \$3,315                                              | \$14,974                                                  | \$16,818                                                                                                    | \$35,107                                                       | 61                                                             |                                                                                                                                      |

| Rank<br>by EAL | Hazard    | NRI risk<br>rating | EAL rating                   | EAL buildings<br><i>modeled dollars<br/>per year</i> | EAL agriculture<br><i>modeled dollars<br/>per year</i> | Cost of expected<br>deaths and injuries<br><i>FEMA's dollar value per<br/>year, not property<br/>damage</i> | EAL total (see<br>note)<br><i>modeled dollars<br/>per year</i> | Storm Events<br>records, 1996 to<br>2026-06-30<br><i>count</i> | Storm Events coverage note                                               |
|----------------|-----------|--------------------|------------------------------|------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|
| 12             | Landslide | Relatively<br>Low  | Very Low                     | \$3,465                                              | n/a                                                    | \$4,350                                                                                                     | \$7,815                                                        | 0                                                              | Declared 2 times; no Storm Events record of this type.                   |
| 13             | Wildfire  | Very Low           | Very Low                     | \$5,196                                              | \$15                                                   | \$639                                                                                                       | \$5,849                                                        | 0                                                              | No recorded events in Storm Events since 1996 (data through 2026-06-30). |
| 14             | Avalanche | Very Low           | Very Low                     | \$0                                                  | n/a                                                    | \$209                                                                                                       | \$209                                                          | 0                                                              | No recorded events in Storm Events since 1996 (data through 2026-06-30). |
| 15             | Drought   | No Rating          | No Expected<br>Annual Losses | n/a                                                  | \$0                                                    | n/a                                                                                                         | \$0                                                            | 0                                                              | No recorded events in Storm Events since 1996 (data through 2026-06-30). |

Total = buildings + agriculture + population equivalence; FEMA values each expected death (or 10 injuries) at \$13.7 million (2024 dollars).

NRI risk rating combines expected annual loss with social vulnerability and community resilience; EAL rating rates expected annual loss alone. Both compare this county with all U.S. counties.

Local data needed: state and local landslide and wildfire records (Storm Events records these hazards only in part).

*Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: coastal flooding, tsunami and volcanic activity. That is the evidence for leaving them out of the plan.*

The state hazard mitigation plan also lists hazards for this county; FEMA asks the plan to explain any hazard it leaves out.

## Supports FEMA checklist item B1-b: hazard location

Inherited from Franklin County, county-level (county FIPS 50011); scope: whole section.

Affects the whole county (national data give no location within it): Cold Wave, Drought, Hail, Heat Wave, Ice Storm, Lightning, Strong Wind and Winter Weather.

Inland Flooding: The FEMA Flood Insurance Rate Map (FIRM) is the required location source for flooding. See the FEMA Flood Map Service Center (<https://msc.fema.gov>) for this county.

### Hazards that vary within the county: highest-rated census tracts

Source: 5

| Hazard     | Highest-rated census tracts<br><i>NRI risk rating, score 0 to 100</i>                                     |
|------------|-----------------------------------------------------------------------------------------------------------|
| Avalanche  | tract 103 (Very Low, 25.5); tract 104 (Very Low, 22.0); tract 110 (Very Low, 18.2)                        |
| Earthquake | tract 106 (Relatively Low, 76.4); tract 105 (Relatively Low, 74.7); tract 107 (Relatively Low, 69.5)      |
| Hurricane  | tract 106 (Relatively Low, 65.7); tract 102 (Relatively Low, 59.8); tract 101.02 (Relatively Low, 58.7)   |
| Landslide  | tract 103 (Relatively Moderate, 95.6); tract 110 (Relatively Low, 93.1); tract 104 (Relatively Low, 92.6) |
| Tornado    | tract 106 (Relatively Low, 37.0); tract 105 (Relatively Low, 33.5); tract 107 (Relatively Low, 29.5)      |
| Wildfire   | tract 106 (Very Low, 67.4); tract 103 (Very Low, 64.6); tract 101.02 (Very Low, 64.2)                     |

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 103 is Census Tract 103). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

## Supports FEMA checklist item B1-c: hazard extent

Inherited from Franklin County, county-level (county FIPS 50011); scope: whole section.

### Extent: scale, observed range and worst recorded event per hazard

Sources: 6, 7

| Hazard                                            | Scale                                 | Records<br><i>count and years</i>        | Observed range                                             | Worst recorded event                                                            | Most damaging<br>(when different)                                                     | Where in the county                                                                                                                                                                                                                                                                                                                                                           | Note                                                                                                                                                                               |
|---------------------------------------------------|---------------------------------------|------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Avalanche                                         | none (count and damage only)          | 0                                        |                                                            |                                                                                 |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                               | Physical measure: in event narratives only (local data needed).                                                                                                                    |
| Cold/Wind Chill, Extreme Cold/Wind Chill          | wind chill                            | 28 records, 1997 to 2026 (28 zone-level) | 1 day to 28 days (median 2 days); 25 with a recorded value | February 2015 (1 monthly summary record), zone-level                            |                                                                                       | Countywide (zone-level records).                                                                                                                                                                                                                                                                                                                                              | Wind chill: in event narratives only (local data needed).                                                                                                                          |
| Frost/Freeze (outside NRI's Cold Wave definition) | crop damage                           | 5 records, 2005 to 2023 (5 zone-level)   |                                                            | Frost/Freeze, 2023-05-18, \$750,000 crop damage (2023 dollars); NWS zone VTZ002 |                                                                                       | Countywide (zone-level records).                                                                                                                                                                                                                                                                                                                                              | Temperature: in event narratives only (local data needed).                                                                                                                         |
| Drought                                           | U.S. Drought Monitor scale (D0 to D4) | 0                                        |                                                            |                                                                                 |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                               | Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.               |
| Earthquake                                        | Modified Mercalli (local data)        | 0                                        |                                                            |                                                                                 |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                               | Storm Events does not record earthquakes; the USGS earthquake catalog is the source.                                                                                               |
| Hail                                              | hail size (inches)                    | 71 records, 1958 to 2025                 | 0.25 in to 2.5 in (median 1 in); 69 with a recorded value  | 2.5 in hail, 1961-06-13                                                         | Hail, 2009-07-16, \$0 property; \$20,000 crops (2009 dollars)                         | Event records naming places in the county: Franklin town (9 records), Highgate town (9 records), Fairfax town (6 records), Berkshire town (5 records), Enosburg Falls village (4 records), Enosburgh town (4 records), Richford town (4 records), Swanton town (4 records), Swanton village (4 records), Montgomery town (3 records); and 7 more places (see the Excel file). |                                                                                                                                                                                    |
| Excessive Heat, Heat                              | heat index (in event narratives)      | 7 records, 2006 to 2025 (7 zone-level)   | 1 day to 6 days (median 3 days); 6 with a recorded value   | 6 consecutive days, 2020-06-18 to 2020-06-23, zone-level                        | Heat, 2012-03-17, \$0 property; \$500,000 crops, reported for the zone (2012 dollars) | Countywide (zone-level records).                                                                                                                                                                                                                                                                                                                                              | Heat index: in event narratives only (local data needed). Heat records from November to March (unseasonable warmth, not a heat wave) are counted but not used for the longest run. |

| Hazard                                                           | Scale                                                                              | Records<br><i>count and years</i>        | Observed range                                                                      | Worst recorded event                                                                                                                                                                                                                           | Most damaging<br>(when different)                                                          | Where in the county                                                                                                                                                                                                                                                                                                                                                                                                 | Note                                                                                                                                                                                                          |
|------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hurricane,<br>Tropical Storm,<br>Tropical<br>Depression          | Saffir-Simpson                                                                     | 0                                        |                                                                                     |                                                                                                                                                                                                                                                |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                     | Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.                                                                  |
| Ice Storm                                                        | Sperry-Piltz ice scale (local data)                                                | 3 records, 1998 to 2013 (3 zone-level)   |                                                                                     | Ice Storm, 2013-12-20, \$1,000,000 property; \$0 crops (2013 dollars); NWS zone VTZ002                                                                                                                                                         |                                                                                            | Countywide (zone-level records).                                                                                                                                                                                                                                                                                                                                                                                    | Ice thickness: in event narratives only (local data needed).                                                                                                                                                  |
| Flash Flood, Flood, Lakeshore Flood                              | damage and flood days (flood depth: FIRM)                                          | 55 records, 1996 to 2023 (24 zone-level) |                                                                                     | Flood, 2011-08-28, \$500,000,000 property; \$500,000 crops (2011 dollars) (as recorded; the NCEI episode narrative gives about \$500 million for Tropical Storm Irene across Vermont, so this one-county figure is likely the statewide total) |                                                                                            | Event records naming places in the county: Richford town (5 records), Montgomery town (3 records), Bakersfield town (2 records), Fletcher town (2 records), Highgate town (2 records), Sheldon town (2 records), Swanton town (2 records), Enosburg Falls village (1 record), Enosburgh town (1 record), Fairfax town (1 record); and 3 more places (see the Excel file). Zone-level records (24) apply countywide. | Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most. |
| Debris Flow                                                      | none (count and damage only)                                                       | 0                                        |                                                                                     |                                                                                                                                                                                                                                                |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                     | Physical measure: in event narratives only (local data needed).                                                                                                                                               |
| Lightning                                                        | annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names) | 4 records, 1996 to 2015                  |                                                                                     | Lightning, 2004-07-12, damage not reported, 1 direct death, 1 direct injury                                                                                                                                                                    | Lightning, 2007-07-09, \$50,000 property; \$0 crops (2007 dollars)                         | Event records naming places in the county: Bakersfield town (2 records), Georgia town (1 record), Highgate town (1 record).                                                                                                                                                                                                                                                                                         | Storm Events lists lightning with damage or casualties; physical measure in event narratives only (local data needed).                                                                                        |
| High Wind and Strong Wind (outside NRI's Strong Wind definition) | wind speed (kt and mph)                                                            | 73 records, 1996 to 2026 (71 zone-level) | 30 kt (35 mph) to 64 kt (74 mph) (median 43 kt (49 mph)); 64 with a recorded value  | 64 kt (74 mph) measured, High Wind, 2001-02-10; NWS zone VTZ002                                                                                                                                                                                | High Wind, 2022-12-23, \$250,000 property; \$0 crops, reported for the zone (2022 dollars) | Event records naming places in the county: Fletcher town (1 record). Zone-level records (71) apply countywide.                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |
| Thunderstorm Wind                                                | wind speed (kt and mph)                                                            | 140 records, 1958 to 2025                | 40 kt (46 mph) to 87 kt (100 mph) (median 50 kt (58 mph)); 99 with a recorded value | 87 kt (100 mph), measurement type not recorded, Thunderstorm Wind, 1992-08-04                                                                                                                                                                  | Thunderstorm Wind, 1993-08-31, \$500,000 property; crops not recorded (1993 dollars)       | Event records naming places in the county: St. Albans town (18 records), St. Albans city (17 records), Swanton town (15 records), Swanton village (14 records), Fairfax town (10 records), Highgate town (10 records), Sheldon town (10 records), Georgia town (9 records), Bakersfield town (6 records), Berkshire town (5 records); and 7 more places (see the Excel file).                                       |                                                                                                                                                                                                               |

| Hazard                                                                      | Scale                                    | Records<br><i>count and years</i>          | Observed range                                         | Worst recorded event                                                                                                                                    | Most damaging<br>(when different)                                          | Where in the county                                 | Note                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------|------------------------------------------|--------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tornado                                                                     | Enhanced Fujita (Fujita before Feb 2007) | 8 records, 1957 to 1973                    | F/EF1 to F/EF2 (median F/EF2); 7 with a recorded value | F2 tornado, 1970-08-03, 4.5 mi path length (whole path, pre-1996), 150 yd wide, \$25,000 property; crops not recorded (1970 dollars), 7 direct injuries | Tornado, 1973-06-11, \$250,000 property; crops not recorded (1973 dollars) | No event record names a listed place in the county. | Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods). |
| Wildfire                                                                    | acres burned (local data)                | 0                                          |                                                        |                                                                                                                                                         |                                                                            |                                                     | Acres burned: in event narratives only (local data needed).                                                                                                                                                          |
| Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet | none in data (snowfall: local data)      | 317 records, 1996 to 2026 (317 zone-level) |                                                        | Heavy Snow, 2007-02-14, \$150,000 property; \$0 crops (2007 dollars); NWS zone VTZ002                                                                   |                                                                            | Countywide (zone-level records).                    | Snow depth: in event narratives only (local data needed).                                                                                                                                                            |

Where a hazard names more than 10 jurisdictions, the table lists the 10 with the most records; every one is in the Excel file, sheet "B1-c Extent".

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records whose zone no NWS zone-county file places in this county (mostly before 2020) are not counted here (the Methods page explains the zone matching).

Dollars are nominal (as reported), labeled with the year; not adjusted for inflation.

A monthly summary record covers most or all of a month; it does not count days at wave conditions.

## Supports FEMA checklist item B1-d: previous occurrences

Inherited from Franklin County, county-level (county FIPS 50011); scope: declarations, statewide block and Storm Events history.

Federal declarations for this county: 30 declarations covering 25 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

No plan row in FEMA data, so there is no approval date to count from.

### Federal disaster declarations for this county

Sources: 1, 2, 3

| Declared   | Incident began | FEMA number | Type           | Title                                              | Mapped hazard                                         | County Public Assistance<br><i>federal share obligated, nominal dollars</i> | Flags               | Notes                    |
|------------|----------------|-------------|----------------|----------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|--------------------------|
| 2024-08-08 | 2024-08-08     | EM-3609-VT  | Emergency      | Tropical Depression Debby                          | Hurricane                                             | no Public Assistance recorded                                               | within last 5 years |                          |
| 2024-04-19 | 2024-01-09     | DR-4770-VT  | Major disaster | Severe Winter Storm                                | Winter Weather                                        | \$46,872.87                                                                 | within last 5 years |                          |
| 2023-07-14 | 2023-07-07     | DR-4720-VT  | Major disaster | Severe Storms, Flooding, Landslides, and Mudslides | Inland Flooding (primary); also designated: Landslide | \$28,308.46                                                                 | within last 5 years |                          |
| 2023-07-10 | 2023-07-09     | EM-3595-VT  | Emergency      | Flooding                                           | Inland Flooding                                       | no Public Assistance recorded                                               | within last 5 years | same incident as DR-4720 |
| 2023-03-20 | 2022-12-22     | DR-4695-VT  | Major disaster | Severe Storm and Flooding                          | Inland Flooding                                       | \$138,589.71                                                                | within last 5 years |                          |
| 2021-08-22 | 2021-08-22     | EM-3567-VT  | Emergency      | Tropical Storm Henri                               | Hurricane                                             | no Public Assistance recorded                                               |                     |                          |
| 2020-04-08 | 2020-01-20     | DR-4532-VT  | Major disaster | COVID-19 Pandemic                                  | Non-natural, not counted                              | \$422,403.22                                                                |                     |                          |
| 2020-03-13 | 2020-01-20     | EM-3437-VT  | Emergency      | COVID-19                                           | Non-natural, not counted                              | no Public Assistance recorded                                               |                     | same incident as DR-4532 |
| 2020-01-17 | 2019-10-31     | DR-4474-VT  | Major disaster | Severe Storm and Flooding                          | Inland Flooding                                       | \$3,813,439.82                                                              |                     |                          |
| 2018-01-02 | 2017-10-29     | DR-4356-VT  | Major disaster | Severe Storm and Flooding                          | Inland Flooding                                       | \$149,230.33                                                                |                     |                          |
| 2015-02-03 | 2014-12-09     | DR-4207-VT  | Major disaster | Severe Winter Storm                                | Winter Weather                                        | no Public Assistance recorded                                               |                     |                          |
| 2014-06-11 | 2014-04-15     | DR-4178-VT  | Major disaster | Severe Storms and Flooding                         | Inland Flooding                                       | \$113,227.23                                                                |                     |                          |
| 2014-01-29 | 2013-12-20     | DR-4163-VT  | Major disaster | Severe Winter Storms                               | Ice Storm                                             | \$855,920.22                                                                |                     |                          |
| 2011-11-08 | 2011-05-20     | DR-4043-VT  | Major disaster | Severe Storms and Flooding                         | Inland Flooding                                       | \$600,020.21                                                                |                     |                          |
| 2011-09-01 | 2011-08-27     | DR-4022-VT  | Major disaster | Tropical Storm Irene                               | Hurricane                                             | \$300,874.19                                                                |                     |                          |

| Declared   | Incident began | FEMA number | Type           | Title                                            | Mapped hazard                                                              | County Public Assistance                 | Flags | Notes                    |
|------------|----------------|-------------|----------------|--------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------|-------|--------------------------|
|            |                |             |                |                                                  |                                                                            | federal share obligated, nominal dollars |       |                          |
| 2011-08-29 | 2011-08-26     | EM-3338-VT  | Emergency      | Hurricane Irene                                  | Hurricane                                                                  | no Public Assistance recorded            |       | same incident as DR-4022 |
| 2011-06-15 | 2011-04-23     | DR-1995-VT  | Major disaster | Severe Storms and Flooding                       | Inland Flooding                                                            | \$290,862.31                             |       |                          |
| 2010-12-22 | 2010-12-01     | DR-1951-VT  | Major disaster | Severe Storm                                     | Hazard not mapped (severe storm title names no single hazard); not counted | \$137,511.92                             |       |                          |
| 2008-07-15 | 2008-06-14     | DR-1778-VT  | Major disaster | Severe Storms and Flooding                       | Inland Flooding                                                            | \$245,053.41                             |       |                          |
| 2004-09-23 | 2004-08-12     | DR-1559-VT  | Major disaster | Severe Storms and Flooding                       | Inland Flooding                                                            | \$500,264.23                             |       |                          |
| 2002-07-12 | 2002-06-05     | DR-1428-VT  | Major disaster | Severe Storms and Flooding                       | Inland Flooding                                                            | \$276,540.43                             |       |                          |
| 1998-06-30 | 1998-06-17     | DR-1228-VT  | Major disaster | Severe Storms and Flooding                       | Inland Flooding                                                            | no Public Assistance recorded            |       |                          |
| 1998-01-15 | 1998-01-06     | DR-1201-VT  | Major disaster | Severe Ice Storms, Rain, High Winds and Flooding | Ice Storm; Inland Flooding; Strong Wind                                    | no Public Assistance recorded            |       |                          |
| 1997-07-25 | 1997-07-15     | DR-1184-VT  | Major disaster | Excessive Rainfall, High Winds, and Flooding     | Inland Flooding                                                            | no Public Assistance recorded            |       |                          |
| 1996-02-13 | 1996-01-19     | DR-1101-VT  | Major disaster | Ice Jams and Flooding                            | Inland Flooding (primary); also designated: Winter Weather                 | no Public Assistance recorded            |       |                          |
| 1993-05-12 | 1993-04-24     | DR-990-VT   | Major disaster | Heavy Rain, Snowmelt & Flooding                  | Inland Flooding                                                            | no Public Assistance recorded            |       |                          |
| 1990-07-25 | 1990-07-04     | DR-875-VT   | Major disaster | Severe Storms & Flooding                         | Inland Flooding                                                            | no Public Assistance recorded            |       |                          |
| 1984-06-18 | 1984-06-06     | DR-712-VT   | Major disaster | Severe Storms & Flooding                         | Inland Flooding                                                            | no Public Assistance recorded            |       |                          |
| 1976-08-05 | 1976-08-05     | DR-518-VT   | Major disaster | Severe Storms, High Winds & Flooding             | Inland Flooding (primary); also designated: Strong Wind                    | no Public Assistance recorded            |       |                          |
| 1973-07-06 | 1973-07-06     | DR-397-VT   | Major disaster | Severe Storms, Flooding, & Landslides            | Inland Flooding (primary); also designated: Landslide                      | no Public Assistance recorded            |       |                          |

County Public Assistance: the whole county's applicants, including state agencies FEMA files there (federal share obligated, nominal dollars); statewide rows are on the state page; this town's own matched Public Assistance is in B1-f.

## Statewide declarations

Source: 2

| Declared   | Incident began | FEMA number | Type           | Title                      | Mapped hazard   |
|------------|----------------|-------------|----------------|----------------------------|-----------------|
| 1964-03-17 | 1964-03-17     | DR-164-VT   | Major disaster | Flooding                   | Inland Flooding |
| 1963-11-27 | 1963-11-27     | DR-160-VT   | Major disaster | Drought & Impending Freeze | Drought         |

FEMA recorded these with designated area Statewide and no county, so they are listed on every county page in the state and not counted with county rows. Local data needed: whether each one affected this county.

## Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

| <b>Hazard</b>      | <b>Storm Events records,<br/>all years on file</b><br><i>(years in the Period column)</i> | <b>Since plan<br/>approval</b><br><i>records</i> | <b>In the 12 months before<br/>plan approval</b><br><i>records</i> | <b>Last 5<br/>years</b><br><i>records</i> | <b>Declared incidents,<br/>all years</b><br><i>separate disasters</i> | <b>Declared since<br/>approval</b><br><i>separate disasters</i> | <b>Period</b>         | <b>Statement</b>                                                                               |
|--------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------|
| Avalanche          | 0                                                                                         |                                                  |                                                                    | 0                                         | 0                                                                     |                                                                 | 1996 to<br>2026-06-30 | No recorded events, 1996 to 2026-06-30, NOAA<br>NCEI Storm Events                              |
| Cold Wave          | 33                                                                                        |                                                  |                                                                    | 10                                        | 0                                                                     |                                                                 | 1996 to<br>2026-06-30 | Includes 5 Frost/Freeze records.                                                               |
| Drought            | 0                                                                                         |                                                  |                                                                    | 0                                         | 0                                                                     |                                                                 | 1996 to<br>2026-06-30 | No recorded events, 1996 to 2026-06-30, NOAA<br>NCEI Storm Events                              |
| Earthquake         | 0                                                                                         |                                                  |                                                                    | 0                                         | 0                                                                     |                                                                 |                       | Storm Events does not record earthquakes; the<br>USGS earthquake catalog is the source.        |
| Hail               | 71                                                                                        |                                                  |                                                                    | 6                                         | 0                                                                     |                                                                 | 1955 to<br>2026-06-30 |                                                                                                |
| Heat Wave          | 7                                                                                         |                                                  |                                                                    | 1                                         | 0                                                                     |                                                                 | 1996 to<br>2026-06-30 |                                                                                                |
| Hurricane          | 0                                                                                         |                                                  |                                                                    | 0                                         | 3                                                                     |                                                                 | 1996 to<br>2026-06-30 | No Storm Events records of this type; 3 federal<br>declared incidents (see declarations table) |
| Ice Storm          | 3                                                                                         |                                                  |                                                                    | 0                                         | 2                                                                     |                                                                 | 1996 to<br>2026-06-30 |                                                                                                |
| Inland<br>Flooding | 55                                                                                        |                                                  |                                                                    | 3                                         | 19                                                                    |                                                                 | 1996 to<br>2026-06-30 |                                                                                                |
| Landslide          | 0                                                                                         |                                                  |                                                                    | 0                                         | 2                                                                     |                                                                 | 1996 to<br>2026-06-30 | No Storm Events records of this type; 2 federal<br>declared incidents (see declarations table) |
| Lightning          | 4                                                                                         |                                                  |                                                                    | 0                                         | 0                                                                     |                                                                 | 1996 to<br>2026-06-30 |                                                                                                |
| Strong Wind        | 213                                                                                       |                                                  |                                                                    | 31                                        | 2                                                                     |                                                                 | 1955 to<br>2026-06-30 | Includes 31 High Wind and 42 Strong Wind records.                                              |
| Tornado            | 8                                                                                         |                                                  |                                                                    | 0                                         | 0                                                                     |                                                                 | 1950 to<br>2026-06-30 |                                                                                                |
| Wildfire           | 0                                                                                         |                                                  |                                                                    | 0                                         | 0                                                                     |                                                                 | 1996 to<br>2026-06-30 | No recorded events, 1996 to 2026-06-30, NOAA<br>NCEI Storm Events                              |
| Winter<br>Weather  | 317                                                                                       |                                                  |                                                                    | 51                                        | 3                                                                     |                                                                 | 1996 to<br>2026-06-30 |                                                                                                |

## Notable Storm Events records

Sources: 1, 6, 7

| Date       | Event type        | Magnitude or extent                                        | Damage<br><i>nominal dollars</i>                                                                                                                                                                                            | Deaths,<br>injuries<br><i>direct only</i> | Location                                       | Flags               | Why listed                                                                                       |
|------------|-------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------|
| 2023-05-18 | Frost/Freeze      |                                                            | \$0 property; \$750,000 crops, reported for the zone (2023 dollars)                                                                                                                                                         | 0, 0                                      | NWS zone VTZ002 (WESTERN FRANKLIN), zone-level | within last 5 years | B1-c worst recorded: Frost/Freeze                                                                |
| 2020-06-18 | Heat              |                                                            | \$0 property; \$0 crops, reported for the zone (2020 dollars)                                                                                                                                                               | 0, 0                                      | NWS zone VTZ002 (WESTERN FRANKLIN), zone-level |                     | B1-c worst recorded: Excessive Heat, Heat                                                        |
| 2015-02-01 | Cold/Wind Chill   |                                                            | \$0 property; \$0 crops, reported for the zone (2015 dollars)                                                                                                                                                               | 0, 0                                      | NWS zone VTZ016 (EASTERN FRANKLIN), zone-level |                     | B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill                                    |
| 2013-12-20 | Ice Storm         |                                                            | \$1,000,000 property; \$0 crops, reported for the zone (2013 dollars)                                                                                                                                                       | 0, 0                                      | NWS zone VTZ002 (WESTERN FRANKLIN), zone-level |                     | B1-c worst recorded: Ice Storm                                                                   |
| 2011-08-28 | Flood             |                                                            | \$500,000,000 property; \$500,000 crops (2011 dollars) (as recorded; the NCEI episode narrative gives about \$500 million for Tropical Storm Irene across Vermont, so this one-county figure is likely the statewide total) | 0, 0                                      | RICHFORD to WEST SWANTON                       |                     | B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood                                         |
| 2007-02-14 | Heavy Snow        |                                                            | \$150,000 property; \$0 crops, reported for the zone (2007 dollars)                                                                                                                                                         | 0, 0                                      | NWS zone VTZ002 (WESTERN FRANKLIN), zone-level |                     | B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet |
| 2004-07-12 | Lightning         |                                                            | damage not reported                                                                                                                                                                                                         | 1, 1                                      | BAKERSFIELD                                    |                     | deaths or injuries recorded                                                                      |
| 2001-02-10 | High Wind         | 64 kt (74 mph) measured                                    | \$1,000 property; crops not reported, reported for the zone (2001 dollars)                                                                                                                                                  | 0, 0                                      | NWS zone VTZ002 (FRANKLIN), zone-level         |                     | B1-c worst recorded: High Wind and Strong Wind                                                   |
| 1996-01-19 | Flood             |                                                            | \$410,000 property; crops not reported, reported for the zone (1996 dollars)                                                                                                                                                | 2, 0                                      | NWS zone VTZ002 (WESTERN FRANKLIN), zone-level |                     | deaths or injuries recorded                                                                      |
| 1992-08-04 | Thunderstorm Wind | 87 kt (100 mph), measurement type not recorded             | damage not recorded (pre-1996 record)                                                                                                                                                                                       | 0, 0                                      | location not recorded                          |                     | B1-c worst recorded: Thunderstorm Wind                                                           |
| 1970-08-03 | Tornado           | F2, 4.5 mi path length (whole path, pre-1996), 150 yd wide | \$25,000 property; crops not recorded (1970 dollars)                                                                                                                                                                        | 0, 7                                      | location not recorded                          |                     | deaths or injuries recorded                                                                      |
| 1961-06-13 | Hail              | 2.5 in                                                     | damage not recorded (pre-1996 record)                                                                                                                                                                                       | 0, 0                                      | location not recorded                          |                     | B1-c worst recorded: Hail                                                                        |

The full list is in the Excel file, sheet "B1-d Storm Events history" (711 rows).

Location is the place NOAA recorded, as written in its data; it need not be a jurisdiction in this plan.

Local data needed: state-declared emergencies, from your state emergency management agency (federal data do not include them).

FEMA's declaration data list no tribal or special-area declarations for this state.

## Supports FEMA checklist item B1-e: probability of future events

Inherited from Franklin County, county-level (county FIPS 50011); scope: whole section.

### Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

| Hazard             | FEMA<br>annualized<br>frequency<br>(modeled)<br><i>unit per row</i> | Unit                                   | In plain terms                                                                                         | Descriptor                                        | Descriptor basis                                         | NRI events or days in its<br>record period (hail, wind<br>and tornado are area-<br>weighted, so can be<br>fractional) | NRI period                                       | Location   | Note                                                                                                                                                                                           |
|--------------------|---------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Avalanche          | 0.01                                                                | events per<br>year                     | about 1 in 100 years                                                                                   | Possible                                          | FEMA annualized<br>frequency<br>(modeled)                | 0                                                                                                                     | 1994 to 2023<br>(30 years)                       | see B1-f   | 0.01 is NRI's minimum avalanche<br>frequency for a county in an avalanche<br>susceptibility zone; NRI records no<br>avalanche here, so the descriptor<br>reflects the floor, not local events. |
| Cold Wave          | 3.81                                                                | event-days<br>per year                 | about 3.81 days per<br>year                                                                            | Likely (from<br>Storm Events:<br>11 of 30 years)  | event-days in 11<br>of 30 years, 1996<br>to 2025 (36.7%) | 71.6                                                                                                                  | 2005-11-12 to<br>2024-11-12 (19<br>years)        | countywide |                                                                                                                                                                                                |
| Drought            | 0                                                                   | event-days<br>per year                 | none modeled                                                                                           |                                                   | event-days in 0 of<br>30 years, 1996 to<br>2025 (0%)     | 0                                                                                                                     | 2000 to 2025<br>(25.25 years; D3<br>and D4 only) | countywide | No Storm Events drought record, 1996<br>to 2025                                                                                                                                                |
| Earthquake         | 0.00297                                                             | annual<br>probability at<br>a location | chance a given<br>location in the county<br>has at least minor-<br>damage shaking in a<br>year: 0.297% |                                                   |                                                          | not shown                                                                                                             | modeled                                          | see B1-f   | No descriptor (Storm Events does not<br>record earthquakes).                                                                                                                                   |
| Hail               | 0.851                                                               | events per<br>year                     | about 0.85 per year                                                                                    | Likely                                            | FEMA annualized<br>frequency<br>(modeled)                | 32.4 (modeled)                                                                                                        | 1986 to 2023<br>(38 years)                       | countywide |                                                                                                                                                                                                |
| Heat Wave          | 1.76                                                                | event-days<br>per year                 | about 1.76 days per<br>year                                                                            | Likely (from<br>Storm Events: 6<br>of 30 years)   | event-days in 6 of<br>30 years, 1996 to<br>2025 (20%)    | 32.4                                                                                                                  | 2005-11-12 to<br>2024-11-12 (19<br>years)        | countywide |                                                                                                                                                                                                |
| Hurricane          | 0.021                                                               | events per<br>year                     | about 1 in 48 years                                                                                    | Possible                                          | FEMA annualized<br>frequency<br>(modeled)                | 6                                                                                                                     | 1851 to 2024<br>(Atlantic)                       | see B1-f   | NRI counts hurricane and tropical<br>storm tracks passing within storm-<br>force wind range; federal declarations<br>are in B1-d.                                                              |
| Ice Storm          | 0.468                                                               | event-days<br>per year                 | about 0.468 days per<br>year                                                                           | Possible (from<br>Storm Events: 2<br>of 30 years) | event-days in 2 of<br>30 years, 1996 to<br>2025 (6.67%)  | 32                                                                                                                    | 1946-12-31 to<br>2014-02-12 (67<br>years)        | countywide |                                                                                                                                                                                                |
| Inland<br>Flooding | 1.71                                                                | event-days<br>per year                 | about 1.71 days per<br>year                                                                            | Likely (from<br>Storm Events:<br>22 of 30 years)  | event-days in 22<br>of 30 years, 1996<br>to 2025 (73.3%) | 48                                                                                                                    | 1996 to 2023<br>(28 years)                       | see B1-f   |                                                                                                                                                                                                |
| Landslide          | 0.799                                                               | events per<br>year<br>(modeled)        | about 0.8 per year                                                                                     | Likely                                            | FEMA annualized<br>frequency<br>(modeled)                | not shown                                                                                                             | modeled                                          | see B1-f   |                                                                                                                                                                                                |

| Hazard         | FEMA annualized frequency (modeled)<br><i>unit per row</i> | Unit                             | In plain terms                                                  | Descriptor                                        | Descriptor basis                                         | NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional) | NRI period                                | Location   | Note                                               |
|----------------|------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------|------------|----------------------------------------------------|
| Lightning      | 22.7                                                       | days per year with a strike      | about 22.7 days per year                                        | Highly likely                                     | FEMA annualized frequency (modeled)                      | not shown                                                                                                | 1995 to 2023 (29 years; CONUS)            | countywide |                                                    |
| Strong Wind    | 0.573                                                      | events per year                  | about 0.57 per year                                             | Likely                                            | FEMA annualized frequency (modeled)                      | 22                                                                                                       | 1986 to 2023 (38 years)                   | countywide |                                                    |
| Tornado        | 0.0238                                                     | events per year                  | about 1 in 42 years                                             | Possible                                          | FEMA annualized frequency (modeled)                      | not shown                                                                                                | 1950 to 2023 (EF2+); 1986 to 2023 (EF0-1) | see B1-f   |                                                    |
| Wildfire       | 0.0000172                                                  | annual probability at a location | chance a given location in the county burns in a year: 0.00172% |                                                   | Storm Events records in 0 of 30 years, 1996 to 2025 (0%) | not shown                                                                                                | modeled                                   | see B1-f   | No descriptor: no Storm Events record 1996 to 2025 |
| Winter Weather | 17.3                                                       | event-days per year              | about 17.3 days per year                                        | Highly likely (from Storm Events: 30 of 30 years) | event-days in 30 of 30 years, 1996 to 2025 (100%)        | 325                                                                                                      | 2005-11-12 to 2024-11-12 (19 years)       | countywide |                                                    |

FEMA annualized frequency (modeled) is the National Risk Index v1.20 (December 2025) estimate of how often a hazard affects this county in a year; it is not recorded events divided by years, and its unit differs by hazard (events, event-days, or days with a lightning strike per year). For earthquake, wildfire, coastal flooding and tsunami the value is the chance (or number of events) at a location in the county, not across the county, so no "1 in N years" is given and the descriptor comes from Storm Events where it has a record (none for earthquake). The Methods page gives each hazard's method, from FEMA's National Risk Index Technical Documentation v1.20.

Where NRI gives event-days, the descriptor comes from the share of years with a Storm Events record; NRI's source records more events, so the two differ.

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

| Unit                        | Descriptor    | Definition                                               |
|-----------------------------|---------------|----------------------------------------------------------|
| events per year             | Highly likely | 1 or more per year                                       |
| events per year             | Likely        | about once in 1 to 10 years                              |
| events per year             | Possible      | about once in 10 to 100 years                            |
| events per year             | Unlikely      | less than once in 100 years                              |
| annual probability          | Likely        | 10% to under 100% chance in a given year                 |
| annual probability          | Possible      | 1% to under 10% chance in a given year                   |
| annual probability          | Unlikely      | under 1% chance in a given year                          |
| event-days (share of years) | Highly likely | event-days recorded in 90% or more of years              |
| event-days (share of years) | Likely        | event-days recorded in 10% to under 90% of years         |
| event-days (share of years) | Possible      | event-days recorded in some years but under 10% of years |
| lightning strike-days       | Highly likely | cloud-to-ground strikes on 1 or more days per year       |

Intensity bands: historical frequency (Storm Events)

Source: 6

| Hazard                                         | Band                      | Years        | Events<br><i>county-coded records</i> | Years in period | Events per year<br><i>events / years</i> |
|------------------------------------------------|---------------------------|--------------|---------------------------------------|-----------------|------------------------------------------|
| Hail                                           | 1.00-1.99 in              | 1996 to 2025 | 34                                    | 30              | 1.13                                     |
| Hail                                           | 2.00 in+                  | 1996 to 2025 | 2                                     | 30              | 0.0667                                   |
| Thunderstorm Wind (counted as NRI Strong Wind) | 50-64 kt                  | 1996 to 2025 | 92                                    | 30              | 3.07                                     |
| Thunderstorm Wind (counted as NRI Strong Wind) | 65 kt+                    | 1996 to 2025 | 2                                     | 30              | 0.0667                                   |
| Thunderstorm Wind (counted as NRI Strong Wind) | unmeasured or below 50 kt | 1996 to 2025 | 17                                    | 30              | 0.567                                    |
| Tornado                                        | EF0-1                     | 1996 to 2025 | 0                                     | 30              | 0                                        |
| Tornado                                        | EF2-3                     | 1996 to 2025 | 0                                     | 30              | 0                                        |
| Tornado                                        | EF4-5                     | 1996 to 2025 | 0                                     | 30              | 0                                        |
| Tornado                                        | unrated (EFU)             | 1996 to 2025 | 0                                     | 30              | 0                                        |

The bands show how often events of each severity were recorded in this county, to profile how severe events have been (FEMA's probability item asks for the range of intensities).

Hail smaller than 1 inch is not counted: on 2010-01-05 the National Weather Service raised its severe-hail threshold from 3/4 inch to 1 inch, so smaller reports became less common after 2009 (NWS Service Change Notice 09-52). NRI hail frequency uses a 0.75 inch threshold.

Optional: future conditions. Not a required item in the 2025 FEMA Local Mitigation Planning Policy Guide; some states ask for it. The federal Climate Mapping for Resilience and Adaptation (CMRA) site gives county exposure to future climate conditions (<https://resilience.climate.gov/>).

Supports FEMA checklist item B1-f: hazards that vary across jurisdictions

Range of census tract risk within the county

Source: 5

| Hazard          | Tracts<br><i>rated of all</i> | NRI risk score, 0 to 100 |        |      | Tracts by rating                                           |
|-----------------|-------------------------------|--------------------------|--------|------|------------------------------------------------------------|
|                 |                               | Min                      | Median | Max  |                                                            |
| Avalanche       | 3 of 11                       | 18.2                     | 22.0   | 25.5 | Very Low 3, Not Applicable 8                               |
| Cold Wave       | 11 of 11                      | 35.2                     | 49.2   | 62.6 | Relatively Moderate 6, Relatively Low 5                    |
| Drought         | 0 of 11                       |                          |        |      | No Rating 11                                               |
| Earthquake      | 11 of 11                      | 33.9                     | 56.5   | 76.4 | Relatively Low 10, Very Low 1                              |
| Hail            | 11 of 11                      | 25.1                     | 34.7   | 43.9 | Relatively Low 3, Very Low 8                               |
| Heat Wave       | 11 of 11                      | 9.4                      | 26.9   | 54.7 | Relatively Low 9, Very Low 2                               |
| Hurricane       | 11 of 11                      | 51.3                     | 57.3   | 65.7 | Relatively Low 10, Very Low 1                              |
| Ice Storm       | 11 of 11                      | 68.7                     | 80.2   | 92.4 | Relatively High 2, Relatively Moderate 8, Relatively Low 1 |
| Inland Flooding | 11 of 11                      | 20.8                     | 61.6   | 82.8 | Relatively High 3, Relatively Moderate 5, Relatively Low 3 |
| Landslide       | 11 of 11                      | 19.4                     | 83.4   | 95.6 | Relatively Moderate 1, Relatively Low 6, Very Low 4        |
| Lightning       | 11 of 11                      | 73.6                     | 90.5   | 97.4 | Very High 2, Relatively High 8, Relatively Moderate 1      |

| Hazard         | Tracts<br><i>rated of all</i> | NRI risk score, 0 to 100 |        |      | Tracts by rating                                           |
|----------------|-------------------------------|--------------------------|--------|------|------------------------------------------------------------|
|                |                               | Min                      | Median | Max  |                                                            |
| Strong Wind    | 11 of 11                      | 44.1                     | 64.8   | 85.1 | Relatively High 1, Relatively Moderate 9, Relatively Low 1 |
| Tornado        | 11 of 11                      | 18.1                     | 27.9   | 37.0 | Relatively Low 3, Very Low 8                               |
| Wildfire       | 11 of 11                      | 30.4                     | 57.2   | 67.4 | Very Low 11                                                |
| Winter Weather | 11 of 11                      | 61.8                     | 81.5   | 92.2 | Relatively High 7, Relatively Moderate 4                   |

Franklin County's 11 census tracts; NRI rates census tracts, not towns.

Rated tracts only: No Rating (score 0.0), Not Applicable and Insufficient Data tracts are counted but not used for the minimum, median and maximum.

The score ranks a tract against all U.S. tracts (100 = highest). The rating is FEMA's category for the tract's risk value, computed differently, so the two can disagree.

Frequency data for cold wave, hail, heat wave, ice storm, lightning, strong wind and winter weather are county-wide or coarse (49 km grid or NWS zone), the same for every jurisdiction; the tract range mostly reflects where buildings and people are.

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

| Jurisdiction | Type | Plan status | Repetitive<br>loss                                                                 | Public Assistance to<br>this jurisdiction                                                           | Event records<br>naming this<br>place | Notes |
|--------------|------|-------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------|-------|
|              |      |             | <i>FMA RL and<br/>SRL (44 CFR<br/>77.2); repeat-<br/>flood, any<br/>definition</i> | <i>FEMA records matched<br/>by applicant name;<br/>federal share obligated,<br/>nominal dollars</i> | <i>all years; since its<br/>plan</i>  |       |

No rows for this unit.

No plan row in FEMA data, so no NFIP community ID or Public Assistance applicant match is available for this town.

## Supports FEMA checklist items B2-a and B2-b: vulnerability and potential impacts

Inherited from Franklin County, county-level (county FIPS 50011); scope: NRI exposure and expected annual loss; since-plan figures use the town's own approval date.

Local data needed

The table below gives county-level starting figures; the plan describes impacts for each jurisdiction and its own assets.

No plan row in FEMA data, so there is no approval date to count from.

- Critical facilities and lifelines per hazard
- A problem statement per jurisdiction per hazard
- Changes in development in hazard-prone areas since the last approval, or a statement of none (E1-a)
- Future assets
- Vermont Flood Ready Atlas and Agency of Natural Resources (ANR) river corridors for town flood and erosion locations.
- The Emergency Relief and Assistance Fund (ERAF) Flood Hazard Summary gives E911 building counts in the Special Flood Hazard Area (SFHA) per town.
- Vermont Dam Inventory for dams in and upstream of the town.
- Vermont Emergency Management (VEM) hazard mitigation planning resources and the 2023 Vermont State Hazard Mitigation Plan. <https://vem.vermont.gov/hm-planning-resources>

### County-level starter: exposure, expected annual loss and damage since the plan (Franklin County, county-level)

Sources: 1, 2, 3, 5, 6, 7

| Hazard          | Building exposure<br><i>modeled dollars</i> | Agriculture exposure<br><i>modeled dollars</i> | Population exposed<br><i>people</i> | EAL buildings<br><i>modeled dollars per year</i> | EAL agriculture<br><i>modeled dollars per year</i> | Cost of expected deaths and injuries<br><i>FEMA's dollar value per year, not property damage</i> | EAL as % of exposure<br><i>buildings; agriculture where noted</i> | Storm Events damage since plan<br><i>county-coded records, property plus crops, nominal dollars</i> | Zone-level damage since plan<br><i>property plus crops, reported for the zone</i> | Public Assistance since plan<br><i>nominal dollars; see note</i> | Note                                                                                                                                                                      |
|-----------------|---------------------------------------------|------------------------------------------------|-------------------------------------|--------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Avalanche       | \$0                                         | n/a                                            | under 1                             | \$0                                              | n/a                                                | \$209                                                                                            |                                                                   |                                                                                                     |                                                                                   |                                                                  | building exposure is 0 in NRI                                                                                                                                             |
| Cold Wave       | \$11,817,558,168                            | \$238,982,802                                  | 49,919                              | \$293                                            | \$47,557                                           | \$603,424                                                                                        | under 0.0001%                                                     |                                                                                                     |                                                                                   |                                                                  |                                                                                                                                                                           |
| Drought         | n/a                                         | \$0                                            | n/a                                 | n/a                                              | \$0                                                | n/a                                                                                              |                                                                   |                                                                                                     |                                                                                   |                                                                  | agriculture exposure is 0 in NRI                                                                                                                                          |
| Earthquake      | \$20,169,599,717                            | n/a                                            | 49,946                              | \$550,057                                        | n/a                                                | \$80,983                                                                                         | 0.00273%                                                          |                                                                                                     |                                                                                   |                                                                  |                                                                                                                                                                           |
| Hail            | \$11,817,558,168                            | \$238,982,802                                  | 49,919                              | \$3,315                                          | \$14,974                                           | \$16,818                                                                                         | under 0.0001%                                                     |                                                                                                     |                                                                                   |                                                                  |                                                                                                                                                                           |
| Heat Wave       | \$11,817,558,168                            | \$238,982,802                                  | 49,919                              | under \$1                                        | \$50,248                                           | \$230,150                                                                                        | under 0.0001%                                                     |                                                                                                     |                                                                                   |                                                                  |                                                                                                                                                                           |
| Hurricane       | \$11,770,268,134                            | \$235,552,379                                  | 49,719                              | \$160,137                                        | \$93,563                                           | \$7,512                                                                                          | 0.00136%                                                          |                                                                                                     |                                                                                   |                                                                  |                                                                                                                                                                           |
| Ice Storm       | \$11,817,558,168                            | n/a                                            | 49,919                              | \$232,454                                        | n/a                                                | \$23,617                                                                                         | 0.00197%                                                          |                                                                                                     |                                                                                   |                                                                  |                                                                                                                                                                           |
| Inland Flooding | \$11,778,204,298                            | \$14,521,024                                   | 1,051                               | \$9,674,744                                      | \$7,585                                            | \$25,944                                                                                         | n/a (see note)                                                    |                                                                                                     |                                                                                   |                                                                  | NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b. |
| Landslide       | \$398,897,706                               | n/a                                            | 1,699                               | \$3,465                                          | n/a                                                | \$4,350                                                                                          | 0.000869%                                                         |                                                                                                     |                                                                                   |                                                                  |                                                                                                                                                                           |

| Hazard         | Building exposure<br><i>modeled dollars</i> | Agriculture exposure<br><i>modeled dollars</i> | Population exposed<br><i>people</i> | EAL buildings<br><i>modeled dollars per year</i> | EAL agriculture<br><i>modeled dollars per year</i> | Cost of expected deaths and injuries<br><i>FEMA's dollar value per year, not property damage</i> | EAL as % of exposure<br><i>buildings; agriculture where noted</i> | Storm Events damage since plan<br><i>county-coded records, property plus crops, nominal dollars</i> | Zone-level damage since plan<br><i>property plus crops, reported for the zone</i> | Public Assistance since plan<br><i>nominal dollars; see note</i> | Note |
|----------------|---------------------------------------------|------------------------------------------------|-------------------------------------|--------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------|------|
| Lightning      | \$11,817,558,168                            | n/a                                            | 49,919                              | \$49,508                                         | n/a                                                | \$538,214                                                                                        | 0.000419%                                                         |                                                                                                     |                                                                                   |                                                                  |      |
| Strong Wind    | \$11,817,558,168                            | \$238,982,802                                  | 49,919                              | \$135,707                                        | \$28,054                                           | \$241,021                                                                                        | 0.00115%                                                          |                                                                                                     |                                                                                   |                                                                  |      |
| Tornado        | \$11,817,558,168                            | \$238,982,802                                  | 49,919                              | \$58,290                                         | \$383                                              | \$134,289                                                                                        | 0.000493%                                                         |                                                                                                     |                                                                                   |                                                                  |      |
| Wildfire       | \$3,988,322,125                             | \$115,945,169                                  | 19,653                              | \$5,196                                          | \$15                                               | \$639                                                                                            | 0.00013%                                                          |                                                                                                     |                                                                                   |                                                                  |      |
| Winter Weather | \$11,817,558,168                            | \$238,982,802                                  | 49,919                              | \$94,644                                         | \$399                                              | \$28,866                                                                                         | 0.000801%                                                         |                                                                                                     |                                                                                   |                                                                  |      |

Totals since the plan: not available. No plan row in FEMA data, so there is no approval date to count from.

FEMA does not split Public Assistance by hazard. A declaration mapped to several hazards is listed under each of them with its full amount, so the per-hazard column does not add up to the total; the unit total counts each declaration once.

NRI computes earthquake exposure on its own basis, so it exceeds the county building value in B2-a.

Supports FEMA checklist item B2-a: vulnerability (county context)

Inherited from Franklin County, county-level (county FIPS 50011); scope: whole section.

County context

Source: 5

| Measure                                                                                                                                                                       | Value            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Population                                                                                                                                                                    | 49,919           |
| Building value (total, not at risk)                                                                                                                                           | \$11,817,558,168 |
| Agriculture value (total, not at risk)                                                                                                                                        | \$238,982,802    |
| NRI risk rating (all hazards)                                                                                                                                                 | Very Low         |
| Expected annual loss, buildings and agriculture, all hazards                                                                                                                  | \$11,210,586     |
| Expected annual loss, population equivalence, all hazards (NRI values each statistical life at \$13.7M; a modeled value of expected deaths and injuries, not property damage) | \$1,936,038      |
| Social vulnerability rating                                                                                                                                                   | Very Low         |
| Community resilience rating                                                                                                                                                   | Very High        |
| NRI version                                                                                                                                                                   | December 2025    |

FEMA's all-hazard expected annual loss adds buildings, agriculture and population equivalence; this table gives the property part and the population-equivalence part as separate rows.

Social vulnerability: higher means people are more likely to be harmed and slower to recover. Community resilience: lower means the community is less able to recover. High social vulnerability and low resilience both raise the NRI risk rating.

# Supports FEMA checklist item B2-c: repetitive loss properties

## Repetitive loss in Franklin County, both definitions

Sources: 1, 4

| Definition                                    | Properties | Severe repetitive loss                               | Properties |
|-----------------------------------------------|------------|------------------------------------------------------|------------|
| Repetitive loss, FMA definition (44 CFR 77.2) | 0          | Severe repetitive loss, FMA definition (44 CFR 77.2) | 0          |
| Repetitive loss, NFIP insurance definition    | 6          | Severe repetitive loss, NFIP insurance definition    | 0          |

The state NFIP coordinator's list, the source FEMA's Handbook names, often uses the NFIP insurance definition (second row).

## Repeat-flood properties: county total and NFIP communities

Sources: 1, 4

| Scope                            | RL, FMA<br><i>properties</i> | SRL, FMA<br><i>properties</i> | RL, NFIP<br><i>properties</i> | SRL, NFIP<br><i>properties</i> | Any category<br><i>properties</i> | Mitigated<br><i>properties</i> | Currently insured<br><i>properties</i> |
|----------------------------------|------------------------------|-------------------------------|-------------------------------|--------------------------------|-----------------------------------|--------------------------------|----------------------------------------|
| County total                     | 0                            | 0                             | 6                             | 0                              | 6                                 | 0                              | 1                                      |
| of which: Berkshire town         | 0                            | 0                             | 1                             | 0                              | 1                                 | 0                              | 0                                      |
| of which: Enosburg Falls village | 0                            | 0                             | 1                             | 0                              | 1                                 | 0                              | 0                                      |
| of which: Montgomery town        | 0                            | 0                             | 1                             | 0                              | 1                                 | 0                              | 0                                      |
| of which: St Albans town         | 0                            | 0                             | 3                             | 0                              | 3                                 | 0                              | 1                                      |

## County repeat-flood properties by occupancy group

Sources: 1, 4

| Occupancy group           | RL, FMA<br><i>properties</i> | SRL, FMA<br><i>properties</i> | RL, NFIP<br><i>properties</i> | SRL, NFIP<br><i>properties</i> | Any category<br><i>properties</i> | Mitigated<br><i>properties</i> | Currently insured<br><i>properties</i> |
|---------------------------|------------------------------|-------------------------------|-------------------------------|--------------------------------|-----------------------------------|--------------------------------|----------------------------------------|
| single-family residential | 0                            | 0                             | 5                             | 0                              | 5                                 | 0                              | 1                                      |
| 2 to 4 unit residential   | 0                            | 0                             | 1                             | 0                              | 1                                 | 0                              | 0                                      |
| other residential         | 0                            | 0                             | 0                             | 0                              | 0                                 | 0                              | 0                                      |
| non-residential           | 0                            | 0                             | 0                             | 0                              | 0                                 | 0                              | 0                                      |
| not reported              | 0                            | 0                             | 0                             | 0                              | 0                                 | 0                              | 0                                      |

FEMA's occupancy groups have no institutional class; institutional properties are counted in non-residential or other residential in the table by occupancy group.

FMA RL and FMA SRL are the Flood Mitigation Assistance definitions (44 CFR 77.2), the ones the FEMA Local Mitigation Planning Policy Guide cites. NFIP repetitive loss (the FEMA insurance definition) is 2 or more claims over \$1,000 in 10 years, and a property can leave that group once it is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured. The Methods page gives the OpenFEMA field details.

Counts are aggregates of FEMA's public NFIP Multiple Loss Properties file (FEMA's data date 2026-08-02; file version 2026-08-04). No property is identified. County assignment is FEMA's geocode.

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 6 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

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## Sources

Tables cite these sources by number. The full list, for the plan's bibliography (FEMA review item A4-a):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
  2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
  3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
  4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
  5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, [https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI\\_Table\\_Counties.zip](https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip) (download, 25 MB), [https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI\\_Table\\_CensusTracts.zip](https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip) (download, 635 MB)
  6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
  7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
  8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024\\_Gazetteer/2024\\_Gaz\\_counties\\_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024\\_Gazetteer/2024\\_Gaz\\_cousubs\\_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024\\_Gazetteer/2024\\_Gaz\\_place\\_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024\\_Gazetteer/2024\\_Gaz\\_unsd\\_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024\\_Gazetteer/2024\\_Gaz\\_elsd\\_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024\\_Gazetteer/2024\\_Gaz\\_scscd\\_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scscd_national.zip), [https://www2.census.gov/geo/docs/reference/codes2020/national\\_place\\_by\\_county2020.txt](https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt), [https://www2.census.gov/geo/docs/reference/ct\\_change/ct\\_cou\\_to\\_cousub\\_crosswalk.xlsx](https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx) (used to match place names and codes; no table prints its values)
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## What this packet is and what the plan adds

This packet is the federal data for the plan's risk assessment, organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B. Each section heading names the item its tables support; the plan and FEMA's review decide whether the item is met.

The plan adds what only the community has: local data on assets, critical facilities, development and each jurisdiction's impacts; local hazard history, including state-declared emergencies; the mitigation strategy; and adoption.

How the federal data are built: National Risk Index values are FEMA's model, not counts of events. Storm Events is more complete from 1996; zone-level records are placed by forecast zone, not by location in the county. Public Assistance for a jurisdiction is matched by applicant name. The Methods page gives every rule and the known edge cases.

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## OpenFEMA disclaimer

This product uses the Federal Emergency Management Agency's OpenFEMA API, but is not endorsed by FEMA. The Federal Government or FEMA cannot vouch for the data or analyses derived from these data after the data have been retrieved from the Agency's website(s).

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## Reuse, citation and corrections

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Cite this: Hazard Plain (2026). Fletcher town, VT: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; Town FIPS 5001126500). Automated baseline. <https://hazardplain.org/vt/5001126500/> Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

Corrections: to report an error, name the packet, the table and what your records show. Contact: [contact@hazardplain.org](mailto:contact@hazardplain.org)

Hazard Plain release 2026-10. As of 2026-09-30; Storm Events data through 2026-06-30. Automated baseline.