

Plymouth County, MA

Risk-assessment baseline packet

County FIPS: 25023 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 county-level plan row in FEMA data.

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$71,359,326 a year), Coastal Flooding (\$14,336,053) and Hurricane (\$11,288,030).

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; 25023 is this area.

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 county-level plan row in FEMA data

What changed since your last plan

Not available. No county-level 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 every jurisdiction listed in this county: 27 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" on the following pages.

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

Plan clock

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry negative = days since expiry	Notes
Bridgewater Town city	Town	Approved, expires 2027-08-10	Town of Bridgewater, MA Hazard Mitigation Plan (FEMA plan 108263)	2022-08-11	2027-08-10	314	
Brockton city	City	Approved, expires 2027-12-13	Brockton Natural Hazard Mitigation Plan (FEMA plan 108309)	2022-12-14	2027-12-13	439	this jurisdiction approved 2022-12-09
Abington town	Town	Approved, expires 2030-02-11	Towns of Abington, Easton, and Stoughton Natural Hazard Mitigation Plan 2023 Update (FEMA plan 109886)	2025-02-12	2030-02-11	1,230	
Carver town	Town	Approved, expires 2027-06-29	Town of Carver Hazard Mitigation Plan 2022 (FEMA plan 108233)	2022-06-30	2027-06-29	272	
Duxbury town	Town	Expired on 2024-01-08	Town of Duxbury Hazard Mitigation Plan 2018 (FEMA plan 105478)	2019-01-09	2024-01-08	-996	
East Bridgewater town	Town	Expired on 2020-11-12	Natural Hazard Mitigation Plan for the Old Colony Region May 2015 (FEMA plan 11350)	2015-11-12	2020-11-12	-2,148	
Halifax town	Town	Approved, expires 2027-02-13	Town of Halifax, Massachusetts Integrated Municipal Vulnerability Preparedness and Hazard Mitigation Plan (MVP-HMP) (FEMA plan 107718)	2022-02-14	2027-02-13	136	
Hanover town	Town	Approved, expires 2030-04-15	Town of Hanover Hazard Mitigation Plan 2024 Update (FEMA plan 109762)	2025-04-16	2030-04-15	1,293	
Hanson town	Town	Approved, expires 2027-01-03	Town of Hanson, Massachusetts Integrated Municipal Vulnerability Preparedness and Hazard Mitigation Plan (MVP-HMP) (FEMA plan 107611)	2022-01-04	2027-01-03	95	
Hingham town	Town	Approved, expires 2027-07-10	Town of Hingham Hazard Mitigation Plan 2022 Update (FEMA plan 108265)	2022-07-11	2027-07-10	283	
Hull town	Town	Approved, expires 2029-09-12	Town of Hull Hazard Mitigation Plan 2024 Update (FEMA plan 109990)	2024-09-13	2029-09-12	1,078	
Kingston town	Town	Approved, expires 2027-09-01	Hazard Mitigation Plan, Kingston, Massachusetts 2022 (FEMA plan 108388)	2022-09-02	2027-09-01	336	
Lakeville town	Town	Approved, expires 2027-09-11	Town of Lakeville Natural Hazard Mitigation Plan 2022 (FEMA plan 108327)	2022-09-12	2027-09-11	346	
Marion town	Town	Approved, expires 2027-01-10	Marion Multi-Hazard Mitigation Plan (FEMA plan 107875)	2022-01-11	2027-01-10	102	
Marshfield town	Town	Approved, expires 2028-12-12	Marshfield Multi-Hazard Mitigation Plan (FEMA plan 109126)	2023-12-13	2028-12-12	804	
Mattapoisett town	Town	Approved, expires 2031-01-29	Town of Mattapoisett Multi-Hazard Mitigation Plan (FEMA plan 110853)	2026-01-30	2031-01-29	1,582	
Middleborough town	Town	Approved, expires 2029-04-11	Town of Middleborough, MA Hazard Mitigation Plan Update (FEMA plan 109353)	2024-04-12	2029-04-11	924	
Norwell town	Town	Expired on 2025-12-03	Town of Norwell Hazard Mitigation Plan 2020 Update (FEMA plan 106750)	2020-12-04	2025-12-03	-301	
Pembroke town	Town	Approved, expires 2028-02-15	Town of Pembroke, MA Municipal Vulnerability & Hazard Mitigation Plan (FEMA plan 108293)	2023-02-16	2028-02-15	503	
Plymouth town	Town	Approved, expires 2026-12-15	2021 Hazard Mitigation Plan Plymouth, Massachusetts (FEMA plan 107852)	2021-12-16	2026-12-15	76	
Plympton town	Town	Approved, expires 2026-12-07	Plympton Multi-Hazard Mitigation Plan (FEMA plan 107804)	2021-12-08	2026-12-07	68	

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Notes
Rochester town	Town	Approved, expires 2030-07-20	2024 Hazard Mitigation Plan, Rochester, Massachusetts (FEMA plan 110257)	2025-07-21	2030-07-20	1,389	
Rockland town	Town	Expired on 2024-08-26	Town of Rockland Hazard Mitigation Plan (FEMA plan 105857)	2019-08-27	2024-08-26	-765	
Scituate town	Town	Approved, expires 2027-06-29	2022 Scituate, MA Hazard Mitigation Plan (FEMA plan 108287)	2022-06-30	2027-06-29	272	
Wareham town	Town	Expired on 2025-12-20	Wareham Multi-Hazard Mitigation Plan (FEMA plan 106824)	2020-12-21	2025-12-20	-284	
West Bridgewater town	Town	Approved, expires 2027-11-01	Town of West Bridgewater Multi-Hazard Mitigation Plan (FEMA plan 108481)	2022-11-02	2027-11-01	397	
Whitman town	Town	Approved, expires 2027-01-06	Town of Whitman, Massachusetts Integrated Municipal Vulnerability Preparedness and Hazard Mitigation Plan (MVP-HMP) (FEMA plan 107717)	2022-01-07	2027-01-06	98	

Supports FEMA checklist item B1-a: hazard identification

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 by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively High	\$70,400,283	\$497,798	\$461,245	\$71,359,326	81	
2	Coastal Flooding	Very High	Very High	\$14,314,229	n/a	\$21,828	\$14,336,053	65	
3	Hurricane	Relatively Moderate	Relatively High	\$10,245,702	\$721,624	\$320,704	\$11,288,030	6	
4	Earthquake	Relatively Low	Relatively Moderate	\$4,080,048	n/a	\$779,549	\$4,859,597		Storm Events does not record earthquakes.

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
5	Strong Wind	Relatively High	Relatively High	\$1,214,583	\$200	\$1,987,355	\$3,202,139	457	Includes 105 High Wind and 175 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
6	Heat Wave	Relatively Moderate	Relatively Moderate	\$3	\$11,003	\$2,535,218	\$2,546,224	3	
7	Cold Wave	Relatively Low	Relatively Moderate	\$1,293	\$7,725	\$1,975,106	\$1,984,124	2	
8	Lightning	Relatively High	Relatively High	\$82,283	n/a	\$1,565,714	\$1,647,997	45	
9	Tornado	Relatively Low	Relatively Low	\$1,319,957	\$661	\$220,789	\$1,541,407	3	
10	Drought	Relatively Moderate	Relatively Moderate	n/a	\$690,039	n/a	\$690,039	8	
11	Ice Storm	Relatively High	Relatively High	\$620,728	n/a	\$69,107	\$689,835	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
12	Wildfire	Very Low	Very Low	\$69,236	\$12	\$8,268	\$77,516	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Winter Weather	Relatively Low	Relatively Low	\$39,578	\$31	\$20,133	\$59,742	119	
14	Hail	Very Low	Very Low	\$19,303	\$224	\$7,457	\$26,985	77	
15	Landslide	Very Low	Very Low	\$3,400	n/a	\$566	\$3,966	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Tsunami	Insufficient Data	Insufficient Data	n/a	n/a	n/a	n/a	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 wildfire, landslide and tsunami 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: avalanche 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

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.

Coastal Flooding and 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 <i>NRI risk rating, score 0 to 100</i>
Earthquake	tract 9803 (Relatively Moderate, 80.3); tract 5012.04 (Relatively Moderate, 78.0); tract 5041.01 (Relatively Low, 74.7)
Hurricane	tract 5411 (Relatively Moderate, 83.4); tract 5422 (Relatively Moderate, 83.1); tract 5012.04 (Relatively Moderate, 83.0)
Landslide	tract 5307 (Relatively Low, 91.8); tract 5306 (Relatively Low, 89.7); tract 5308.01 (Relatively Low, 82.5)
Tornado	tract 5011.02 (Relatively Low, 38.6); tract 5012.04 (Relatively Low, 37.3); tract 5041.01 (Relatively Low, 35.4)
Tsunami	no tract has a National Risk Index rating for this hazard
Wildfire	tract 5071.01 (Relatively Low, 77.2); tract 5061.02 (Relatively Low, 75.9); tract 5041.02 (Relatively Low, 75.0)

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 9803 is Census Tract 9803). 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

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Coastal Flood, Storm Surge/ Tide	none in data (flood depth: FIRM)	65 records, 1997 to 2024 (64 zone-level)		Coastal Flood, 2013-02-09, \$9,200,000 property; \$0 crops (2013 dollars); NWS zone MAZ019		Event records naming jurisdictions in the plan: Hingham town (1 record). Zone-level records (64) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	2 records, 2015 to 2016 (2 zone-level)	1 day; 2 with a recorded value	1 consecutive day, 2016-02-14, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage		0				

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Drought	U.S. Drought Monitor scale (D0 to D4)	8 records, 2012 to 2017 (8 zone-level)	34 days to 155 days (median 94.5 days); 2 with a recorded value	155 days (about 5.1 months), 2016-08-23 to 2017-01-24, a run of 6 consecutive Storm Events drought records, zone-level		Countywide (zone-level records).	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)	82 records, 1959 to 2025	0.75 in to 2.75 in (median 1 in); 82 with a recorded value	2.75 in hail, 1999-07-06	Hail, 2004-07-02, \$35,000 property; crops not reported (2004 dollars)	Event records naming jurisdictions in the plan: Plymouth town (13 records), Brockton city (8 records), Duxbury town (4 records), Scituate town (4 records), Whitman town (4 records), Abington town (3 records), Rockland town (3 records), West Bridgewater town (3 records), Carver town (2 records), Halifax town (2 records); and 14 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	3 records, 2010 to 2018 (3 zone-level)	1 day; 3 with a recorded value	1 consecutive day, 2018-07-03, zone-level		Countywide (zone-level records).	
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	6 records, 2008 to 2021 (6 zone-level)		Strongest recorded: Tropical Storm record, 2011-08-28, \$1,600,000 property; \$0 crops (2011 dollars); NWS zone MAZ018		Countywide (zone-level records).	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)	0					
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	81 records, 1996 to 2025 (5 zone-level)		Flood, 2010-03-14, \$16,150,000 property; \$0 crops (2010 dollars)		Event records naming jurisdictions in the plan: Hingham town (8 records), Plymouth town (7 records), Marion town (6 records), Brockton city (4 records), Kingston town (3 records), Wareham town (3 records), Whitman town (2 records), Carver town (1 record), East Bridgewater town (1 record), Hanover town (1 record); and 2 more jurisdictions (see the Excel file). Zone-level records (5) 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					

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	45 records, 1996 to 2024		Lightning, 2010-09-08, \$0 property; \$0 crops (2010 dollars), 1 direct death	Lightning, 2014-10-08, \$300,000 property; \$0 crops (2014 dollars)	Event records naming jurisdictions in the plan: Hingham town (4 records), Plymouth town (4 records), Brockton city (3 records), Halifax town (3 records), Duxbury town (2 records), Hanover town (2 records), Whitman town (2 records), East Bridgewater town (1 record), Hanson town (1 record), Hull town (1 record); and 9 more jurisdictions (see the Excel file).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	280 records, 1996 to 2025 (280 zone-level)	26 kt (30 mph) to 76 kt (87 mph) (median 48 kt (55 mph)); 216 with a recorded value	76 kt (87 mph) measured gust, High Wind, 2021-10-26; NWS zone MAZ019		Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	197 records, 1961 to 2025	40 kt (46 mph) to 90 kt (104 mph) (median 50 kt (58 mph)); 181 with a recorded value	90 kt (104 mph), measurement type not recorded, Thunderstorm Wind, 1997-06-22, 1 direct death; same speed and measurement basis also recorded on 1996-05-21	Thunderstorm Wind, 1996-05-21, \$4,000,000 property; crops not reported (1996 dollars)	Event records naming jurisdictions in the plan: Hingham town (21 records), Plymouth town (10 records), Brockton city (8 records), Whitman town (7 records), Duxbury town (6 records), Pembroke town (6 records), Scituate town (6 records), Halifax town (5 records), Rochester town (5 records), Abington town (3 records); and 11 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	10 records, 1958 to 2023	F/EF0 to F/EF2 (median between F/EF0 and F/EF1); 10 with a recorded value	F2 tornado, 1967-11-18, 0.1 mi path length (whole path, pre-1996), 17 yd wide, \$250 property; crops not recorded (1967 dollars)	Tornado, 1986-09-16, \$250,000 property; crops not recorded (1986 dollars)	Event records naming jurisdictions in the plan: Plymouth town (1 record).	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).
Tsunami	none (count and damage only)	0					
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	119 records, 1996 to 2026 (119 zone-level)		Heavy Snow, 1997-04-01, \$2,500,000 property; crops not reported (1997 dollars); NWS zone MAZ018		Countywide (zone-level records).	

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".

In event narratives only (local data needed): wind chill, temperature, heat index, ice thickness, acres burned and snow depth; any physical measure of debris flow, lightning and tsunami.

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records from zones that 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.

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 32 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 county-level 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 <i>federal share obligated, nominal dollars</i>	Flags	Notes
2023-09-15	2023-09-15	EM-3599-MA	Emergency	Hurricane Lee	Hurricane	\$2,954.08	within last 5 years	
2022-04-18	2022-01-28	DR-4651-MA	Major disaster	Severe Winter Storm and Snowstorm	Winter Weather	\$3,346,871.88	within last 5 years	
2020-03-27	2020-01-20	DR-4496-MA	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$26,700,364.80		
2020-03-13	2020-01-20	EM-3438-MA	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4496
2018-06-25	2018-03-02	DR-4372-MA	Major disaster	Severe Winter Storm and Flooding	Inland Flooding; Winter Weather	\$12,430,409.86		
2015-04-13	2015-01-26	DR-4214-MA	Major disaster	Severe Winter Storm, Snowstorm, and Flooding	Inland Flooding; Winter Weather	\$8,118,237.20		
2013-04-19	2013-02-08	DR-4110-MA	Major disaster	Severe Winter Storm, Snowstorm, and Flooding	Inland Flooding; Winter Weather	\$5,327,481.26		
2012-12-19	2012-10-27	DR-4097-MA	Major disaster	Hurricane Sandy	Hurricane	\$1,268,254.30		
2012-10-28	2012-10-27	EM-3350-MA	Emergency	Hurricane Sandy	Hurricane	no Public Assistance recorded		same incident as DR-4097
2011-09-03	2011-08-27	DR-4028-MA	Major disaster	Tropical Storm Irene	Hurricane	\$2,074,590.38		
2011-08-26	2011-08-26	EM-3330-MA	Emergency	Hurricane Irene	Hurricane	no Public Assistance recorded		same incident as DR-4028
2010-09-02	2010-09-01	EM-3315-MA	Emergency	Hurricane Earl	Hurricane	\$108,710.03		
2010-03-29	2010-03-12	DR-1895-MA	Major disaster	Severe Storms and Flooding	Inland Flooding	\$975,580.21		
2007-05-16	2007-04-15	DR-1701-MA	Major disaster	Severe Storms and Inland and Coastal Flooding	Coastal Flooding	\$1,322,878.28		
2005-11-10	2005-10-07	DR-1614-MA	Major disaster	Severe Storms and Flooding	Inland Flooding	PA not declared for this county		
2005-09-13	2005-08-29	EM-3252-MA	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	\$11,866.36		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2005-02-17	2005-01-22	EM-3201-MA	Emergency	Record and/or Near Record Snow	Winter Weather	\$3,169,511.85		
2004-01-15	2003-12-06	EM-3191-MA	Emergency	Snow	Winter Weather	\$1,816,405.45		
2003-03-11	2003-02-17	EM-3175-MA	Emergency	Snow	Winter Weather	\$1,677,017.59		
2001-04-10	2001-03-05	DR-1364-MA	Major disaster	Severe Storms and Flooding	Inland Flooding	PA not declared for this county		
1998-06-23	1998-06-13	DR-1224-MA	Major disaster	Heavy Rains and Flooding	Inland Flooding	PA not declared for this county		
1996-10-25	1996-10-20	DR-1142-MA	Major disaster	Extreme Weather Conditons and Flooding	Inland Flooding	no Public Assistance recorded		
1996-10-23	1996-10-20	EM-3119-MA	Emergency	Extreme Weather Conditions and Flooding	Inland Flooding	no Public Assistance recorded		same incident as DR-1142
1996-01-24	1996-01-07	DR-1090-MA	Major disaster	Blizzard of 96	Winter Weather	no Public Assistance recorded		
1993-03-16	1993-03-13	EM-3103-MA	Emergency	Blizzards, High Winds & Record Snowfall	Winter Weather	no Public Assistance recorded		
1992-12-21	1992-12-11	DR-975-MA	Major disaster	Winter Coastal Storm	Coastal Flooding	no Public Assistance recorded		
1991-11-04	1991-10-30	DR-920-MA	Major disaster	Coastal Storm	Coastal Flooding	no Public Assistance recorded		
1991-08-26	1991-08-19	DR-914-MA	Major disaster	Hurricane Bob	Hurricane	no Public Assistance recorded		
1985-10-28	1985-09-27	DR-751-MA	Major disaster	Hurricane Gloria	Hurricane	no Public Assistance recorded		
1978-02-10	1978-02-06	DR-546-MA	Major disaster	Coastal Storms, Flood, Ice & Snow	Coastal Flooding	no Public Assistance recorded		
1972-09-28	1972-09-28	DR-357-MA	Major disaster	Toxic Algae in Coastal Waters	Fishing Losses: economic loss, not a physical hazard event; non-natural, not counted	PA not declared for this county		
1972-03-06	1972-03-06	DR-325-MA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		

County Public Assistance: applicants the FEMA record places in this county, including any state agencies FEMA files there; statewide rows are listed on the state page; federal share obligated, nominal dollars.

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
1955-08-20	1955-08-20	DR-43-MA	Major disaster	Hurricane & Floods	Hurricane (primary); also designated: Inland Flooding
1954-09-02	1954-09-02	DR-22-MA	Major disaster	Hurricanes	Hurricane (primary); also designated: Inland Flooding
1953-06-11	1953-06-11	DR-7-MA	Major disaster	Tornado	Tornado

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.

1 Fire Management declaration (1995-09-12 to 1995-09-12) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Coastal Flooding	65			10	4		1996 to 2026-06-30	
Cold Wave	2			0	0		1996 to 2026-06-30	
Drought	8			0	0		1996 to 2026-06-30	
Earthquake	0			0	0			Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	82			6	0		1955 to 2026-06-30	
Heat Wave	3			0	0		1996 to 2026-06-30	
Hurricane	6			0	6		1996 to 2026-06-30	
Ice Storm	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Inland Flooding	81			10	9		1996 to 2026-06-30	
Landslide	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	45			4	0		1996 to 2026-06-30	
Strong Wind	477			65	0		1955 to 2026-06-30	Includes 105 High Wind and 175 Strong Wind records.
Tornado	10			1	0		1950 to 2026-06-30	

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Tsunami	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	119			8	9		1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2023-12-18	Strong Wind	43 kt (49 mph) measured gust	\$0 property; \$0 crops (zone total, 2023 dollars)	1, 0	NWS zone MAZ018 (WESTERN PLYMOUTH), zone-level	within last 5 years	deaths or injuries recorded
2021-10-26	High Wind	76 kt (87 mph) measured gust	\$1,660,000 property; \$0 crops (zone total, 2021 dollars)	0, 0	NWS zone MAZ019 (EASTERN PLYMOUTH), zone-level	within last 5 years	B1-c worst recorded: High Wind and Strong Wind
2018-07-03	Excessive Heat		\$0 property; \$0 crops (zone total, 2018 dollars)	0, 0	NWS zone MAZ019 (EASTERN PLYMOUTH), zone-level		B1-c worst recorded: Excessive Heat, Heat
2016-04-03	Strong Wind	43 kt (49 mph) estimated gust	\$15,000 property; \$0 crops (zone total, 2016 dollars)	2, 0	NWS zone MAZ018 (WESTERN PLYMOUTH), zone-level		deaths or injuries recorded
2016-02-14	Extreme Cold/ Wind Chill		\$0 property; \$0 crops (zone total, 2016 dollars)	0, 0	NWS zone MAZ019 (EASTERN PLYMOUTH), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2013-02-09	Coastal Flood		\$9,200,000 property; \$0 crops (zone total, 2013 dollars)	0, 0	NWS zone MAZ019 (EASTERN PLYMOUTH), zone-level		B1-c worst recorded: Coastal Flood, Storm Surge/Tide
2011-08-28	Tropical Storm		\$1,600,000 property; \$0 crops (zone total, 2011 dollars)	0, 0	NWS zone MAZ018 (WESTERN PLYMOUTH), zone-level		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2010-09-08	Lightning		\$0 property; \$0 crops (2010 dollars)	1, 0	PLYMOUTH		B1-c worst recorded: Lightning
2010-03-14	Flood		\$16,150,000 property; \$0 crops (2010 dollars)	0, 0	HANOVER to COCHESETT		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1997-06-22	Thunderstorm Wind	90 kt (104 mph), measurement type not recorded	damage not reported	1, 0	HULL		B1-c worst recorded: Thunderstorm Wind
1967-11-18	Tornado	F2, 0.1 mi path length (whole path, pre-1996), 17 yd wide	\$250 property; crops not recorded (1967 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado
1958-09-07	Tornado	F0, 33 yd wide	\$2,500 property; crops not recorded (1958 dollars)	1, 1	location not recorded		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (898 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).

Tribal and special-area declarations in this state are listed on the state page.

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <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
Coastal Flooding	7.14	events per year at a location (modeled)	about 7.1 per year at a given location in the county	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	Descriptor from NRI: the rate at a location is 1 or more a year, so the county rate is at least that.
Cold Wave	1.03	event-days per year	about 1.03 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	12.4	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	3.15	event-days per year	about 3.15 days per year	Likely	Storm Events event-days in 3 of 30 years, 1996 to 2025 (10%)	203	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00145	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.145%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	1.28	events per year	about 1.28 per year	Highly likely	FEMA annualized frequency (modeled)	55.1 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	5.09	event-days per year	about 5.09 days per year	Likely	Storm Events event-days in 3 of 30 years, 1996 to 2025 (10%)	53.5	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.174	events per year	about 1 in 6 years	Likely	FEMA annualized frequency (modeled)	54	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm	0.618	event-days per year	about 0.618 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	31	1946-12-31 to 2014-02-12 (67 years)	countywide	No Storm Events ice storm record, 1996 to 2025
Inland Flooding	2.32	event-days per year	about 2.32 days per year	Likely	Storm Events event-days in 25 of 30 years, 1996 to 2025 (83.3%)	65	1996 to 2023 (28 years)	see B1-f	

Hazard	FEMA annualized frequency (modeled) <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
Landslide	0.191	events per year (modeled)	about 1 in 5 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	18.7	days per year with a strike	about 18.7 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.659	events per year	about 0.66 per year	Likely	FEMA annualized frequency (modeled)	18	1986 to 2023 (38 years)	countywide	
Tornado	0.144	events per year	about 1 in 7 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Tsunami		annual probability at the most exposed location (used in place of a county value)			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
Wildfire	0.0000509	annual probability at a location	chance a given location in the county burns in a year: 0.00509%		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	11.1	event-days per year	about 11.1 days per year	Highly likely	Storm Events event-days in 27 of 30 years, 1996 to 2025 (90%)	134	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 <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	36	30	1.2
Hail	2.00 in+	1996 to 2025	4	30	0.133
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	159	30	5.3
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	4	30	0.133
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	14	30	0.467
Tornado	EF0-1	1996 to 2025	3	30	0.1
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 <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Coastal Flooding	41 of 110	70.3	96.3	99.9	Very High 2, Relatively High 24, Relatively Moderate 6, Relatively Low 3, Very Low 6, No Rating 69
Cold Wave	110 of 110	19.9	27.1	38.1	Relatively Low 110
Drought	67 of 110	68.9	81.0	95.2	Relatively Moderate 6, Relatively Low 33, Very Low 28, No Rating 43
Earthquake	110 of 110	21.9	48.7	80.3	Relatively Moderate 2, Relatively Low 73, Very Low 35
Hail	110 of 110	1.2	4.4	14.7	Very Low 110
Heat Wave	110 of 110	5.9	25.8	52.3	Relatively Low 82, Very Low 28
Hurricane	110 of 110	57.2	74.0	83.4	Relatively Moderate 26, Relatively Low 84
Ice Storm	110 of 110	8.7	46.7	82.1	Relatively Moderate 5, Relatively Low 83, Very Low 22
Inland Flooding	110 of 110	0.8	38.8	89.8	Relatively High 6, Relatively Moderate 35, Relatively Low 53, Very Low 16
Landslide	110 of 110	14.3	54.0	91.8	Relatively Low 3, Very Low 107
Lightning	110 of 110	22.3	51.6	74.5	Relatively Moderate 61, Relatively Low 49
Strong Wind	110 of 110	26.0	58.2	79.7	Relatively Moderate 67, Relatively Low 43
Tornado	110 of 110	4.4	22.7	38.6	Relatively Low 14, Very Low 96
Tsunami	0 of 110				Insufficient Data 110
Wildfire	105 of 110	18.5	49.7	77.2	Relatively Low 10, Very Low 95, No Rating 5
Winter Weather	110 of 110	16.1	22.7	30.9	Relatively Low 97, Very Low 13

Drought: Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range mostly reflects where crop and livestock value is.

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, drought, 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 (crop and livestock value where a line above names agriculture).

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Bridgewater Town city	Town	Approved, expires 2027-08-10	FMA RL 0, SRL 0; any 2	no Public Assistance recorded	0 total; 0 since its plan	
Brockton city	City	Approved, expires 2027-12-13	FMA RL 0, SRL 2; any 40	\$2,813,814.10	23 total; 1 since its plan	
Abington town	Town	Approved, expires 2030-02-11	FMA RL 0, SRL 0; any 0	\$553,189.16	6 total; 0 since its plan	
Carver town	Town	Approved, expires 2027-06-29	FMA RL 0, SRL 0; any 1	\$808,800.89	3 total; 0 since its plan	
Duxbury town	Town	Expired on 2024-01-08	FMA RL 1, SRL 13; any 66	\$4,627,285.84	12 total; 1 since its plan	Includes \$32,740.37 for declarations not counted as hazard incidents (DR-4496-MA).
East Bridgewater town	Town	Expired on 2020-11-12	FMA RL 0, SRL 0; any 1	\$570,170.99	5 total; 2 since its plan	
Halifax town	Town	Approved, expires 2027-02-13	FMA RL 0, SRL 0; any 0	\$356,914.71	10 total; 1 since its plan	
Hanover town	Town	Approved, expires 2030-04-15	FMA RL 0, SRL 0; any 0	\$2,529,295.36	8 total; 0 since its plan	Includes \$1,750,066.07 for declarations not counted as hazard incidents (DR-4496-MA).
Hanson town	Town	Approved, expires 2027-01-03	FMA RL 0, SRL 0; any 0	\$473,322.28	5 total; 0 since its plan	
Hingham town	Town	Approved, expires 2027-07-10	FMA RL 0, SRL 3; any 10	\$4,245,986.53	35 total; 1 since its plan	Includes \$2,383,064.87 for declarations not counted as hazard incidents (DR-4496-MA).
Hull town	Town	Approved, expires 2029-09-12	FMA RL 2, SRL 34; any 259	\$2,484,044.88	6 total; 0 since its plan	Includes \$84,842.28 for declarations not counted as hazard incidents (DR-4496-MA).
Kingston town	Town	Approved, expires 2027-09-01	FMA RL 0, SRL 0; any 0	\$698,603.88	4 total; 0 since its plan	Includes \$8,105.14 for declarations not counted as hazard incidents (EM-3252-MA).
Lakeville town	Town	Approved, expires 2027-09-11	FMA RL 0, SRL 0; any 2	\$416,084.29	4 total; 0 since its plan	
Marion town	Town	Approved, expires 2027-01-10	FMA RL 0, SRL 0; any 6	\$437,398.81	11 total; 1 since its plan	
Marshfield town	Town	Approved, expires 2028-12-12	FMA RL 6, SRL 44; any 186	\$4,939,988.69	3 total; 0 since its plan	
Mattapoisett town	Town	Approved, expires 2031-01-29	FMA RL 0, SRL 0; any 10	\$312,000.66	3 total; 0 since its plan	
Middleborough town	Town	Approved, expires 2029-04-11	FMA RL 0, SRL 0; any 1	\$872,231.97	0 total; 0 since its plan	

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
Norwell town	Town	Expired on 2025-12-03	FMA RL 0, SRL 0; any 1	\$496,908.04	5 total; 0 since its plan	
Pembroke town	Town	Approved, expires 2028-02-15	FMA RL 0, SRL 0; any 0	\$632,285.84	9 total; 0 since its plan	
Plymouth town	Town	Approved, expires 2026-12-15	FMA RL 2, SRL 7; any 45	\$1,720,441.93	35 total; 2 since its plan	
Plympton town	Town	Approved, expires 2026-12-07	FMA RL 0, SRL 0; any 0	\$164,018.85	2 total; 0 since its plan	
Rochester town	Town	Approved, expires 2030-07-20	FMA RL 0, SRL 0; any 0	\$410,391.96	7 total; 0 since its plan	
Rockland town	Town	Expired on 2024-08-26	FMA RL 0, SRL 0; any 0	\$971,083.85	5 total; 1 since its plan	Includes \$65,692 for declarations not counted as hazard incidents (DR-4496-MA).
Scituate town	Town	Approved, expires 2027-06-29	FMA RL 18, SRL 171; any 537	\$8,270,744.51	12 total; 1 since its plan	
Wareham town	Town	Expired on 2025-12-20	FMA RL 0, SRL 3; any 21	\$1,078,613.48	4 total; 0 since its plan	
West Bridgewater town	Town	Approved, expires 2027-11-01	FMA RL 0, SRL 0; any 0	\$421,918.50	6 total; 0 since its plan	
Whitman town	Town	Approved, expires 2027-01-06	FMA RL 0, SRL 0; any 1	\$347,098.83	15 total; 0 since its plan	

Repetitive-loss counts are for whole NFIP communities, which can extend beyond this county (see the note in B2-c).

County Public Assistance in B1-d also includes applicants filed under the county that are not jurisdictions in this plan (for example state agencies, special districts and nonprofits), so the jurisdiction rows add up to less.

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

Local data needed

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

No county-level 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

County-level starter: exposure, expected annual loss and damage since the plan

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since plan <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Coastal Flooding	\$8,567,076,367	n/a	35,642	\$14,314,229	n/a	\$21,828	0.167%				
Cold Wave	\$115,081,264,762	\$92,622,203	530,320	\$1,293	\$7,725	\$1,975,106	under 0.0001%				
Drought	n/a	\$71,289,181	n/a	n/a	\$690,039	n/a	0.968% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$195,481,701,179	n/a	530,819	\$4,080,048	n/a	\$779,549	0.00209%				
Hail	\$115,081,264,762	\$92,622,203	530,320	\$19,303	\$224	\$7,457	under 0.0001%				
Heat Wave	\$115,081,264,762	\$92,622,203	530,320	\$3	\$11,003	\$2,535,218	under 0.0001%				
Hurricane	\$115,079,871,287	\$92,622,203	530,307	\$10,245,702	\$721,624	\$320,704	0.0089%				
Ice Storm	\$113,214,701,823	n/a	522,092	\$620,728	n/a	\$69,107	0.000548%				
Inland Flooding	\$114,879,203,462	\$23,971,768	30,563	\$70,400,283	\$497,798	\$461,245	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	\$1,922,568,645	n/a	8,074	\$3,400	n/a	\$566	0.000177%				
Lightning	\$115,081,264,762	n/a	530,320	\$82,283	n/a	\$1,565,714	under 0.0001%				
Strong Wind	\$115,081,264,762	\$92,622,203	530,320	\$1,214,583	\$200	\$1,987,355	0.00106%				
Tornado	\$115,081,264,762	\$92,622,203	530,320	\$1,319,957	\$661	\$220,789	0.00115%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since plan <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Tsunami	n/a	n/a	n/a	n/a	n/a	n/a					NRI publishes no building exposure for this county
Wildfire	\$15,817,615,588	\$31,261,760	89,492	\$69,236	\$12	\$8,268	0.000438%				
Winter Weather	\$115,081,264,762	\$92,622,203	530,320	\$39,578	\$31	\$20,133	under 0.0001%				

Totals since the plan: not available. No county-level 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)

County context

Source: 5

Measure	Value
Population	530,320
Building value (total, not at risk)	\$115,081,264,762
Agriculture value (total, not at risk)	\$92,622,203
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$104,339,943
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)	\$9,973,041
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 this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	29	Severe repetitive loss, FMA definition (44 CFR 77.2)	277
Repetitive loss, NFIP insurance definition	1,162	Severe repetitive loss, NFIP insurance definition	242

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 properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties
County total	29	277	1,162	242	1,191	27	649
of which: Bridgewater town	0	0	2	0	2	0	0
of which: Brockton city	0	2	40	2	40	0	17
of which: Carver town	0	0	1	0	1	0	0
of which: Duxbury town	1	13	65	11	66	0	42
of which: East Bridgewater town	0	0	1	0	1	0	0
of which: Hingham town	0	3	10	3	10	0	2
of which: Hull town	2	34	258	32	259	1	144
of which: Lakeville town	0	0	2	0	2	0	1
of which: Marshfield town	6	44	180	38	186	6	100
of which: Middleborough town	0	0	1	0	1	0	0
of which: Norwell town	0	0	1	0	1	0	0
of which: Plymouth town	2	7	44	6	45	1	12
of which: Scituate town	18	171	517	147	537	19	324
of which: Whitman town	0	0	1	0	1	0	0
of which: Marion town	0	0	6	0	6	0	1
of which: Mattapoisett town	0	0	10	0	10	0	2
of which: Wareham town	0	3	21	3	21	0	4
of which: Unknown (community ID Unknown in FEMA data)	0	0	2	0	2	0	0

Repeat-flood properties by jurisdiction in the plan (NFIP community)

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
Bridgewater Town city	250260	0	0	2	0	2	0	0
Brockton city	250261	0	2	40	2	40	0	17
Abington town	250259	0	0	0	0	0	0	0
Carver town	250262	0	0	1	0	1	0	0
Duxbury town	250263	1	13	65	11	66	0	42
East Bridgewater town	250264	0	0	1	0	1	0	0
Halifax town	250265	0	0	0	0	0	0	0
Hanover town	250266	0	0	0	0	0	0	0
Hanson town	250267	0	0	0	0	0	0	0
Hingham town	250268	0	3	10	3	10	0	2
Hull town	250269	2	34	258	32	259	1	144
Kingston town	250270	0	0	0	0	0	0	0
Lakeville town	250271	0	0	2	0	2	0	1
Marion town	255213	0	0	6	0	6	0	1
Marshfield town	250273	6	44	180	38	186	6	100
Mattapoisett town	255214	0	0	10	0	10	0	2
Middleborough town	250275	0	0	1	0	1	0	0
Norwell town	250276	0	0	1	0	1	0	0
Pembroke town	250277	0	0	0	0	0	0	0
Plymouth town	250278	2	7	44	6	45	1	12
Plympton town	250279	0	0	0	0	0	0	0
Rochester town	250280	0	0	0	0	0	0	0
Rockland town	250281	0	0	0	0	0	0	0
Scituate town	250282	18	171	517	147	537	19	324
Wareham town	255223	0	3	21	3	21	0	4
West Bridgewater town	250284	0	0	0	0	0	0	0
Whitman town	250285	0	0	1	0	1	0	0

Counts by occupancy group for each jurisdiction are in the Excel file, sheet "B2-c Jurisdictions".

Jurisdiction rows are whole NFIP communities and need not add up to the county total: a community that extends into another county is counted in full on each jurisdiction row, while the county table counts only its part in this county.

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	27	245	1,049	214	1,074	23	608
2 to 4 unit residential	2	10	51	8	53	2	22
other residential	0	8	17	7	18	1	11
non-residential	0	14	45	13	46	1	8
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 9 properties are FMA repetitive loss but not NFIP repetitive loss, and 1,142 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

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 (download, 25 MB), 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_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_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), 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 (used to match place names and codes; no table prints its values)

What this packet is and what the plan adds

This packet is the federal data for the plan's risk assessment (the summary on page 1 says how it is organized); the plan and FEMA's review decide whether each 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.

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).

Reuse, citation and corrections

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Cite this: Hazard Plain (2026). Plymouth County, MA: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 25023). Automated baseline. <https://hazardplain.org/ma/25023/> 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