

Volusia County, FL

Risk-assessment baseline packet

County FIPS: 12127 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: Approved, expires 2030-07-30. Plan: Volusia County (FEMA plan 111008), approved 2025-07-30.

Since the plan was approved on 2025-07-30: no new hazard declaration and 8 NOAA Storm Events records; details under "What changed since your last plan".

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Hurricane (\$86,969,475 a year), Inland Flooding (\$66,915,386) and Tornado (\$23,627,358).

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; 12127 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.

CONTENTS

- 1. Summary and terms used, page 1
- 2. Plan clock, page 2
- 3. What changed since your last plan (approved 2025-07-30), page 2
- 4. B1-a: hazard identification, page 4
- 5. B1-b: hazard location, page 6
- 6. B1-c: hazard extent, page 6
- 7. B1-d: previous occurrences, page 9
- 8. B1-e: probability of future events, page 16
- 9. B1-f: hazards that vary across jurisdictions, page 19
- 10. B2-a and B2-b: vulnerability and potential impacts, page 21
- 11. B2-a: vulnerability (county context), page 23
- 12. B2-c: repetitive loss properties, page 23
- 13. Sources, what the plan adds, disclaimer and citation, page 25

Plan clock

Status:	Approved, expires 2030-07-30	Plan:	Volusia County (FEMA plan 111008)
Approved:	2025-07-30	Days to expiry:	1,399

What changed since your last plan (approved 2025-07-30)

New federal declarations:	none	Storm Events records since approval:	8 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 483, SRL 239 (44 CFR 77.2); any definition: 1,653	Repeat-flood change:	this release sets the baseline count.

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

Plan status for every jurisdiction listed in this county: 18 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 <i>negative = days since expiry</i>	Update underway	Notes
Volusia County (unincorporated area)	Unincorporated	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		this jurisdiction approved 2025-09-09
Daytona Beach city	City	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		this jurisdiction approved 2025-09-26
Daytona Beach Shores city	City	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		
DeBary city	City	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		this jurisdiction approved 2025-09-26
DeLand city	City	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		
Deltona city	City	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		this jurisdiction approved 2025-10-08
Edgewater city	City	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		this jurisdiction approved 2025-10-08
Holly Hill city	City	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		jurisdictionApproval Date 3025-07-30 in FEMA data not shown (impossible date)
Lake Helen city	City	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		
New Smyrna Beach city	City	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		this jurisdiction approved 2025-09-09
Oak Hill city	City	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		this jurisdiction approved 2026-05-01
Orange City city	City	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		
Ormond Beach city	City	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		
Pierson town	Town	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		this jurisdiction approved 2025-12-17
Ponce Inlet town	Town	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		this jurisdiction approved 2025-09-26
Port Orange city	City	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
South Daytona city	City	Approved, expires 2030-07-30	Volusia County (FEMA plan 111008)	2025-07-30	2030-07-30	1,399		
Volusia County School District	School/School District	Plan 111008 approved 2025-07-30, pending adoption here; not yet eligible	Volusia County (FEMA plan 111008), pending adoption here	2025-07-30 by FEMA; not yet adopted here	2030-07-30 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

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	Hurricane	Very High	Very High	\$80,361,098	\$2,445,218	\$4,163,159	\$86,969,475	19	Includes 1 Tropical Depression record (outside NRI's Hurricane definition).
2	Inland Flooding	Relatively High	Relatively High	\$66,711,991	\$54,546	\$148,850	\$66,915,386	27	
3	Tornado	Relatively High	Relatively High	\$7,261,896	\$10,901	\$16,354,564	\$23,627,358	42	
4	Wildfire	Relatively Moderate	Relatively Moderate	\$4,042,659	\$11,270	\$582,490	\$4,636,418	3	
5	Lightning	Very High	Very High	\$135,923	n/a	\$4,452,500	\$4,588,423	38	
6	Coastal Flooding	Relatively High	Relatively High	\$2,942,104	n/a	\$433,499	\$3,375,603	10	
7	Heat Wave	Relatively Moderate	Relatively Moderate	\$108	\$121	\$1,836,508	\$1,836,738	2	

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
8	Strong Wind	Relatively High	Relatively Moderate	\$449,296	\$49,551	\$1,089,114	\$1,587,960	163	Includes 3 High Wind and 3 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
9	Cold Wave	Relatively Low	Relatively Moderate	\$45,051	\$830,458	\$468,815	\$1,344,324	6	Includes 4 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
10	Earthquake	Relatively Low	Relatively Low	\$444,974	n/a	\$189,192	\$634,165		Storm Events does not record earthquakes.
11	Hail	Relatively Low	Relatively Low	\$34,280	\$95,654	\$20,104	\$150,039	153	
12	Drought	Relatively Low	Relatively Low	n/a	\$28,428	n/a	\$28,428	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Landslide	Very Low	Very Low	\$1,796	n/a	\$5	\$1,801	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Winter Weather	No Rating	No Expected Annual Losses	\$0	\$0	\$0	\$0	2	
	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 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, ice storm 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, 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 925 (Relatively Low, 57.8); tract 818 (Relatively Low, 49.4); tract 823.02 (Very Low, 40.6)
Hurricane	tract 925 (Very High, 98.9); tract 830.03 (Very High, 98.5); tract 823.02 (Very High, 97.9)
Landslide	tract 832.09 (Relatively Low, 86.6); tract 827.04 (Relatively Low, 86.2); tract 830.03 (Relatively Low, 82.6)
Tornado	tract 903.06 (Very High, 96.4); tract 902.04 (Very High, 95.2); tract 925 (Relatively High, 93.3)
Tsunami	no tract has a National Risk Index rating for this hazard
Wildfire	tract 832.09 (Relatively High, 98.1); tract 903.06 (Relatively High, 97.4); tract 901.01 (Relatively High, 97.1)

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 925 is Census Tract 925). 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)	10 records, 2004 to 2025 (10 zone-level)		Storm Surge/Tide, 2022-11-09, \$495,000,000 property; \$0 crops (2022 dollars); NWS zone FLZ141		Countywide (zone-level records).	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	2 records, 2003 to 2010 (2 zone-level)	1 day; 2 with a recorded value	1 consecutive day, 2010-12-14, zone-level	Cold/Wind Chill, 2003-01-24, \$0 property; \$10,000 crops (zone total, 2003 dollars)	Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	4 records, 2009 to 2010 (4 zone-level)		Frost/Freeze, 2010-12-27, \$1,000,000 crop damage (2010 dollars); NWS zone FLZ041		Countywide (zone-level records).	

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)	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)	189 records, 1963 to 2026	0.75 in to 2.75 in (median 1 in); 188 with a recorded value	2.75 in hail, 1971-02-07	Hail, 2005-05-04, \$100,000 property; \$0 crops (2005 dollars)	Event records naming jurisdictions in the plan: Deltona city (17 records), Daytona Beach city (14 records), New Smyrna Beach city (14 records), Ormond Beach city (9 records), Edgewater city (7 records), Port Orange city (5 records), Orange City city (4 records), Holly Hill city (3 records), Oak Hill city (3 records), Pierson town (3 records); and 2 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	2 records, 1998 to 2022 (2 zone-level)	1 day to 30 days (median 15.5 days); 2 with a recorded value	June 1998 (1 monthly summary record), 1 direct death, zone-level		Countywide (zone-level records).	
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	19 records, 1999 to 2024 (19 zone-level)		Strongest recorded: Hurricane record (NOAA event type 'Hurricane (Typhoon)'), 2016-10-06 to 2016-10-07, category 1, \$514,400,000 property; crops not reported (2016 dollars), 1 direct death (reported for the zone); NWS zone FLZ041		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.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	27 records, 1999 to 2025 (1 zone-level)		Flood, 2022-09-28, \$340,000,000 property; \$0 crops (2022 dollars), 4 direct deaths		Event records naming jurisdictions in the plan: Deltona city (3 records), Edgewater city (3 records), Oak Hill city (3 records), Ormond Beach city (3 records), Daytona Beach city (1 record), Holly Hill city (1 record), New Smyrna Beach city (1 record). Zone-level records (1) 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					
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	38 records, 1996 to 2025		Lightning, 2016-06-24, \$0 property; \$0 crops (2016 dollars), 1 direct death, 2 direct injuries	Lightning, 2009-08-20, \$500,000 property; \$0 crops (2009 dollars)	Event records naming jurisdictions in the plan: Daytona Beach city (3 records), Deltona city (3 records), Edgewater city (3 records), New Smyrna Beach city (2 records), Port Orange city (2 records), Holly Hill city (1 record), Oak Hill city (1 record), Pierson town (1 record).	Storm Events lists lightning with damage or casualties.

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	6 records, 1998 to 2021 (6 zone-level)	42 kt (48 mph) to 56 kt (64 mph) (median 50.5 kt (58 mph)); 6 with a recorded value	56 kt (64 mph) measured gust, High Wind, 2011-10-10; NWS zone FLZ041	High Wind, 1998-02-02, \$50,000 property; crops not reported (zone total, 1998 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	235 records, 1962 to 2026	26 kt (30 mph) to 80 kt (92 mph) (median 50 kt (58 mph)); 169 with a recorded value	80 kt (92 mph) estimated gust, Thunderstorm Wind, 2003-03-19	Thunderstorm Wind, 1994-06-21, \$500,000 property; crops not recorded (1994 dollars)	Event records naming jurisdictions in the plan: Deltona city (24 records), Daytona Beach city (14 records), New Smyrna Beach city (8 records), Holly Hill city (7 records), Orange City city (7 records), Ormond Beach city (7 records), Edgewater city (6 records), Port Orange city (4 records), DeLand city (3 records), Lake Helen city (2 records); and 3 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	102 records, 1950 to 2025	F/EF0 to F/EF3 (median F/EF0); 91 with a recorded value	EF3 tornado, 2007-02-02, 13.29 mi within this county, 450 yd wide, \$52,000,000 property; \$0 crops (2007 dollars), 42 direct injuries		Event records naming jurisdictions in the plan: New Smyrna Beach city (6 records), Edgewater city (4 records), Daytona Beach city (3 records), Port Orange city (3 records), Oak Hill city (2 records), Ormond Beach city (2 records), Pierson town (2 records), Deltona city (1 record), Lake Helen city (1 record), Orange City city (1 record); and 1 more jurisdiction (see the Excel file).	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)	3 records, 1998 to 2016 (2 zone-level)		Wildfire, 1998-07-01, \$150,000,000 property; crops not reported (1998 dollars), 11 direct injuries		No event record names a jurisdiction in the plan. Zone-level records (2) apply countywide.	
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	2 records, 2008 to 2010 (2 zone-level)		No damage reported in 2 records.		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, 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.

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

Federal declarations for this county: 44 declarations covering 30 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

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
2024-10-11	2024-10-05	DR-4834-FL	Major disaster	Hurricane Milton	Hurricane (primary); also designated: Inland Flooding	\$31,794,204.61	in the 12 months before plan approval; within last 5 years	
2024-10-07	2024-10-05	EM-3622-FL	Emergency	Hurricane Milton	Hurricane	no Public Assistance recorded	in the 12 months before plan approval; within last 5 years	same incident as DR-4
2024-08-10	2024-08-01	DR-4806-FL	Major disaster	Hurricane Debby	Hurricane	no Public Assistance recorded	in the 12 months before plan approval; within last 5 years	
2024-08-03	2024-08-01	EM-3605-FL	Emergency	Tropical Storm Debby	Hurricane (primary); also designated: Inland Flooding, Strong Wind, Tornado	no Public Assistance recorded	in the 12 months before plan approval; within last 5 years	same incident as DR-4
2023-08-31	2023-08-27	DR-4734-FL	Major disaster	Hurricane Idalia	Hurricane	\$335,593.23	within last 5 years	
2023-08-28	2023-08-27	EM-3596-FL	Emergency	Tropical Storm Idalia	Hurricane	no Public Assistance recorded	within last 5 years	same incident as DR-4

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2022-12-13	2022-11-07	DR-4680-FL	Major disaster	Hurricane Nicole	Hurricane	\$6,846,422.12	within last 5 years	
2022-11-08	2022-11-07	EM-3587-FL	Emergency	Tropical Storm Nicole	Hurricane	no Public Assistance recorded	within last 5 years	same incident as DR-4
2022-09-29	2022-09-23	DR-4673-FL	Major disaster	Hurricane Ian	Hurricane	\$61,507,403.75	within last 5 years	
2022-09-24	2022-09-23	EM-3584-FL	Emergency	Tropical Storm Ian	Hurricane	no Public Assistance recorded	within last 5 years	same incident as DR-4
2020-08-01	2020-07-31	EM-3533-FL	Emergency	Hurricane Isaias	Hurricane	\$24,993.46		
2020-03-25	2020-01-20	DR-4486-FL	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$6,998,775.60		
2020-03-13	2020-01-20	EM-3432-FL	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4
2019-10-21	2019-08-28	DR-4468-FL	Major disaster	Hurricane Dorian	Hurricane	\$2,557,457.31		
2019-08-30	2019-08-28	EM-3419-FL	Emergency	Hurricane Dorian	Hurricane	no Public Assistance recorded		same incident as DR-4
2017-09-10	2017-09-04	DR-4337-FL	Major disaster	Hurricane Irma	Hurricane	\$45,973,491.75		
2017-09-05	2017-09-04	EM-3385-FL	Emergency	Hurricane Irma	Hurricane	no Public Assistance recorded		same incident as DR-4
2016-10-08	2016-10-03	DR-4283-FL	Major disaster	Hurricane Matthew	Hurricane	\$54,078,235.93		
2016-10-06	2016-10-03	EM-3377-FL	Emergency	Hurricane Matthew	Hurricane	no Public Assistance recorded		same incident as DR-4

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2009-05-27	2009-05-17	DR-1840-FL	Major disaster	Severe Storms, Flooding, Tornadoes, and Straight-Line Winds	Inland Flooding; Strong Wind; Tornado	\$2,725,442.96		
2008-08-24	2008-08-18	DR-1785-FL	Major disaster	Tropical Storm Fay	Hurricane; Inland Flooding	\$6,266,427.22		
2008-08-21	2008-08-18	EM-3288-FL	Emergency	Tropical Storm Fay	Hurricane; Inland Flooding	no Public Assistance recorded		same incident as DR-
2007-05-02	2007-05-01	FM-2687-FL	Fire management	Deland Fire Complex	Wildfire	no Public Assistance recorded		
2007-02-08	2006-12-25	DR-1680-FL	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	PA not declared for this county		
2007-02-03	2007-02-01	DR-1679-FL	Major disaster	Severe Storms and Tornadoes	Tornado	\$2,771,480.25		
2006-05-15	2006-05-15	FM-2638-FL	Fire management	Volusia Fire Complex	Wildfire	no Public Assistance recorded		
2005-09-05	2005-08-29	EM-3220-FL	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded		
2004-09-26	2004-09-24	DR-1561-FL	Major disaster	Hurricane Jeanne	Hurricane	\$30,047,105.85		
2004-09-16	2004-09-13	DR-1551-FL	Major disaster	Hurricane Ivan	Hurricane	none placed in this county by FEMA's record; \$368,533.58 for this declaration is not placed in any county (see the state page)		
2004-09-04	2004-09-03	DR-1545-FL	Major disaster	Hurricane Frances	Hurricane	\$34,650,977.17		
2004-08-13	2004-08-11	DR-1539-FL	Major disaster	Tropical Storm Bonnie and Hurricane Charley	Hurricane	\$27,872,919.99		
2001-02-05	2000-12-01	DR-1359-FL	Major disaster	Severe Freeze	Cold Wave	PA not declared for this county		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
1999-10-20	1999-10-14	DR-1306-FL	Major disaster	Fl-Hurricane Irene-Dr-Req	Hurricane	\$2,440,599.55		
1999-10-15	1999-10-14	EM-3150-FL	Emergency	Tropical Storm Irene - Florida	Hurricane	no Public Assistance recorded		same incident as DR-
1999-09-22	1999-09-13	DR-1300-FL	Major disaster	Hurricane Floyd Major Disaster Declarations	Hurricane	\$4,829,910.23		
1999-09-14	1999-09-14	EM-3143-FL	Emergency	Hurricane Floyd Emergency Declarations	Hurricane	no Public Assistance recorded		same incident as DR-
1998-06-18	1998-05-25	DR-1223-FL	Major disaster	Extreme Fire Hazard	Wildfire	no Public Assistance recorded		
1998-01-06	1997-12-25	DR-1195-FL	Major disaster	Severe Storms, High Winds, Tornadoes, and Flooding	Inland Flooding; Strong Wind; Tornado	no Public Assistance recorded		
1996-10-15	1996-10-07	DR-1141-FL	Major disaster	Tropical Storm Josephine	Hurricane; Tornado	PA not declared for this county		
1994-11-28	1994-11-14	DR-1043-FL	Major disaster	Tropical Storm Gordon Tornadoes Flooding Rainfall	Hurricane; Inland Flooding; Tornado	PA not declared for this county		
1993-03-13	1993-03-12	DR-982-FL	Major disaster	Tornadoes, Flooding, High Winds & Tides, Freezing	Tornado (primary); also designated: Inland Flooding, Strong Wind	no Public Assistance recorded		
1990-01-15	1989-12-23	DR-851-FL	Major disaster	Severe Freeze	Cold Wave	PA not declared for this county		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Note
1979-05-15	1979-05-15	DR-586-FL	Major disaster	Severe Storms, Tornadoes & Flooding	Inland Flooding; Tornado	PA not declared for this county		
1977-01-31	1977-01-31	DR-526-FL	Major disaster	Severe Winter Weather	Cold Wave	PA not declared for this county		

School districts and special districts in this county: \$9,559,789 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan participants in this county. They have no row of their own in the jurisdiction table, so their total is listed here. These dollars are already included in the county PA column of the declarations table (the FEMA record places each applicant in this county), so this line is not added to it.

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
1995-08-03	1995-08-02	EM-3116-FL	Emergency	Hurricane Erin	Hurricane
1964-09-10	1964-09-10	DR-176-FL	Major disaster	Hurricane Dora	Hurricane (primary); also designated: Inland Flooding
1964-09-08	1964-09-08	DR-175-FL	Major disaster	Hurricane Cleo	Hurricane (primary); also designated: Inland Flooding
1962-12-17	1962-12-17	DR-141-FL	Major disaster	Abnormally High Tides	Inland Flooding
1960-09-12	1960-09-12	DR-106-FL	Major disaster	Hurricane Donna	Hurricane (primary); also designated: Inland Flooding
1960-03-23	1960-03-23	DR-97-FL	Major disaster	Severe Weather Conditions	Other, not an NRI hazard; not counted
1953-10-22	1953-10-22	DR-12-FL	Major disaster	Flood	Inland Flooding

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.

17 Fire Management declarations (1985-05-17 to 1998-06-28) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

Public Assistance not placed in any Florida county: 4 rows, \$9,327,951.42; listed on the Florida state page.

Source: 3

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	10	1	0	4	0	0	1996 to 2026-06-30	
Cold Wave	6	0	0	0	3	0	1996 to 2026-06-30	Includes 4 Frost/Freeze records.
Drought	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events

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
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	189	3	1	12	0	0	1955 to 2026-06-30	
Heat Wave	2	0	0	1	0	0	1996 to 2026-06-30	
Hurricane	19	0	2	5	18	0	1996 to 2026-06-30	Includes 1 Tropical Depression record.
Inland Flooding	27	1	3	11	9	0	1996 to 2026-06-30	
Landslide	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	38	0	1	4	0	0	1996 to 2026-06-30	
Strong Wind	241	2	1	8	4	0	1955 to 2026-06-30	Includes 3 High Wind and 3 Strong Wind records.
Tornado	102	1	0	2	9	0	1950 to 2026-06-30	
Tsunami	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	3	0	0	0	3	0	1996 to 2026-06-30	
Winter Weather	2	0	0	0	0	0	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
2024-10-09	Tropical Storm		\$27,000,000 property; crops not reported (zone total, 2024 dollars)	2, 0	NWS zone FLZ141 (COASTAL VOLUSIA COUNTY), zone-level	in the 12 months before plan approval; within last 5 years	deaths or injuries recorded
2022-11-09	Storm Surge/Tide		\$495,000,000 property; \$0 crops (zone total, 2022 dollars)	0, 0	NWS zone FLZ141 (COASTAL VOLUSIA COUNTY), zone-level	within last 5 years	B1-c worst recorded: Coastal Flood, Storm Surge/Tide
2022-09-28	Flood		\$340,000,000 property; \$0 crops (2022 dollars)	4, 0	WEST HOLLY HILL to ORMOND BEACH	within last 5 years	deaths or injuries recorded
2016-10-06	Hurricane (NOAA event type 'Hurricane (Typhoon)')	category 1	\$514,400,000 property; crops not reported (zone total, 2016 dollars)	1, 0	NWS zone FLZ041 (VOLUSIA), zone-level		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2016-06-24	Lightning		\$0 property; \$0 crops (2016 dollars)	1, 2	BLAKE		B1-c worst recorded: Lightning
2011-10-10	High Wind	56 kt (64 mph) measured gust	\$0 property; \$0 crops (zone total, 2011 dollars)	0, 0	NWS zone FLZ041 (VOLUSIA), zone-level		B1-c worst recorded: High Wind and Strong Wind
2010-12-14	Cold/Wind Chill		\$0 property; \$0 crops (zone total, 2010 dollars)	0, 0	NWS zone FLZ041 (VOLUSIA), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2007-02-02	Tornado	EF3, 13.29 mi within this county, 450 yd wide	\$52,000,000 property; \$0 crops (2007 dollars)	0, 42	BERESFORD to LAKE HELEN		B1-c worst recorded: Tornado
2004-08-13	Hurricane (NOAA event type 'Hurricane (Typhoon)')		\$52,000,000 property; crops not reported (zone total, 2004 dollars)	2, 0	NWS zone FLZ041 (VOLUSIA), zone-level		deaths or injuries recorded
2003-03-19	Thunderstorm Wind	80 kt (92 mph) estimated gust	\$100,000 property; \$0 crops (2003 dollars)	0, 0	DELTONA		B1-c worst recorded: Thunderstorm Wind
1998-07-01	Wildfire		\$150,000,000 property; crops not reported (1998 dollars)	0, 11	COUNTYWIDE		B1-c worst recorded: Wildfire
1998-06-01	Heat		damage not reported	1, 0	NWS zone FLZ041 (VOLUSIA), zone-level		B1-c worst recorded: Excessive Heat, Heat

The full list is in the Excel file, sheet "B1-d Storm Events history" (639 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	2.06	events per year at a location (modeled)	about 2.1 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	4.06	event-days per year	about 4.06 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	67.1	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	16.2	event-days per year	about 16.2 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	602	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No Storm Events drought record, 1996 to 2025
Earthquake	0.000521	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0521%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	2.02	events per year	about 2.02 per year	Highly likely	FEMA annualized frequency (modeled)	80.5 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	1.74	event-days per year	about 1.74 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	21.8	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.258	events per year	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	111	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.
Inland Flooding	0.714	event-days per year	about 0.714 days per year	Likely	Storm Events event-days in 14 of 30 years, 1996 to 2025 (46.7%)	20	1996 to 2023 (28 years)	see B1-f	
Landslide	0.127	events per year (modeled)	about 1 in 8 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	74.9	days per year with a strike	about 74.9 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	

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
Strong Wind	1.09	events per year	about 1.09 per year	Highly likely	FEMA annualized frequency (modeled)	38	1986 to 2023 (38 years)	countywide	
Tornado	0.84	events per year	about 0.84 per year	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	0.0062	annual probability at a location	chance a given location in the county burns in a year: 0.62%	Likely	Storm Events records in 3 of 30 years, 1996 to 2025 (10%)	not shown	modeled	see B1-f	
Winter Weather	0	event-days per year	none modeled	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	0	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI models no winter weather event-days here (2005-11-12 to 2024-11-12, 19 years); Storm Events has a record in 2 of 30 years. The descriptor comes from Storm Events, which records events NRI's definition leaves out.

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	79	30	2.63
Hail	2.00 in+	1996 to 2025	3	30	0.1
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	116	30	3.87
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	5	30	0.167
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	34	30	1.13
Tornado	EF0-1	1996 to 2025	33	30	1.1
Tornado	EF2-3	1996 to 2025	8	30	0.267
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	1	30	0.0333

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	73 of 129	70.0	87.7	99.7	Very High 1, Relatively High 6, Relatively Moderate 22, Relatively Low 38, Very Low 6, No Rating 56
Cold Wave	129 of 129	16.1	20.3	93.9	Relatively High 2, Relatively Moderate 2, Relatively Low 84, Very Low 41
Drought	6 of 129	76.4	81.3	89.5	Relatively Low 5, Very Low 1, No Rating 123
Earthquake	129 of 129	5.6	16.8	57.8	Relatively Low 2, Very Low 127
Hail	129 of 129	2.8	12.9	80.5	Relatively Moderate 2, Relatively Low 3, Very Low 124
Heat Wave	129 of 129	4.3	21.5	52.3	Relatively Low 79, Very Low 50
Hurricane	129 of 129	81.4	92.4	98.9	Very High 6, Relatively High 82, Relatively Moderate 41
Inland Flooding	129 of 129	1.3	39.7	94.0	Relatively High 11, Relatively Moderate 42, Relatively Low 59, Very Low 17
Landslide	128 of 129	10.4	48.6	86.6	Relatively Low 4, Very Low 124, No Rating 1
Lightning	129 of 129	14.0	85.1	98.7	Very High 8, Relatively High 78, Relatively Moderate 41, Relatively Low 1, Very Low 1
Strong Wind	129 of 129	18.5	42.3	74.9	Relatively Moderate 16, Relatively Low 111, Very Low 2
Tornado	129 of 129	45.9	73.7	96.4	Very High 2, Relatively High 57, Relatively Moderate 67, Relatively Low 3
Tsunami	0 of 129				Insufficient Data 129
Wildfire	118 of 129	18.9	84.4	98.1	Relatively High 7, Relatively Moderate 42, Relatively Low 35, Very Low 34, No Rating 11
Winter Weather	0 of 129				No Rating 129

Cold Wave: Agriculture is 62% of NRI's expected annual loss for this hazard in the county, so the tract range mostly reflects where crop and livestock value is.

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.

Hail: Agriculture is 64% 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, lightning and strong wind 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
Volusia County (unincorporated area)	Unincorporated	Approved, expires 2030-07-30	FMA RL 60, SRL 41; any 279	\$102,207,679.60	0 total; 0 since its plan	Includes \$3,723,678.78 for declarations not counted as hazard incidents (DR-4486-FL).
Daytona Beach city	City	Approved, expires 2030-07-30	FMA RL 69, SRL 45; any 296	\$31,683,718.04	35 total; 0 since its plan	
Daytona Beach Shores city	City	Approved, expires 2030-07-30	FMA RL 0, SRL 1; any 10	\$2,604,945.47	0 total; 0 since its plan	
DeBary city	City	Approved, expires 2030-07-30	FMA RL 2, SRL 0; any 5	\$11,454,810.08	0 total; 0 since its plan	
DeLand city	City	Approved, expires 2030-07-30	FMA RL 0, SRL 0; any 2	\$7,978,606.26	3 total; 0 since its plan	Includes \$127,071.04 for declarations not counted as hazard incidents (DR-4486-FL).
Deltona city	City	Approved, expires 2030-07-30	FMA RL 2, SRL 2; any 14	\$22,874,913.90	48 total; 0 since its plan	Includes \$30,265.67 for declarations not counted as hazard incidents (DR-4486-FL).
Edgewater city	City	Approved, expires 2030-07-30	FMA RL 8, SRL 5; any 28	\$12,070,076.58	23 total; 1 since its plan	
Holly Hill city	City	Approved, expires 2030-07-30	FMA RL 19, SRL 4; any 92	\$8,890,608.71	12 total; 0 since its plan	
Lake Helen city	City	Approved, expires 2030-07-30	FMA RL 0, SRL 0; any 1	\$1,173,570.65	5 total; 0 since its plan	
New Smyrna Beach city	City	Approved, expires 2030-07-30	FMA RL 16, SRL 16; any 112	\$14,459,690.34	31 total; 1 since its plan	Includes \$58,771.18 for declarations not counted as hazard incidents (DR-4486-FL).
Oak Hill city	City	Approved, expires 2030-07-30	FMA RL 0, SRL 0; any 0	\$1,440,753.23	10 total; 0 since its plan	
Orange City city	City	Approved, expires 2030-07-30	FMA RL 1, SRL 1; any 1	\$3,764,710.56	12 total; 0 since its plan	Includes \$36,411.01 for declarations not counted as hazard incidents (DR-4486-FL).
Ormond Beach city	City	Approved, expires 2030-07-30	FMA RL 9, SRL 13; any 57	\$20,732,457.84	21 total; 0 since its plan	Includes \$108,815.47 for declarations not counted as hazard incidents (DR-4486-FL).
Pierson town	Town	Approved, expires 2030-07-30	FMA RL 0, SRL 0; any 0	\$233,438.89	7 total; 0 since its plan	
Ponce Inlet town	Town	Approved, expires 2030-07-30	FMA RL 6, SRL 4; any 17	\$1,181,164.71	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>	
Port Orange city	City	Approved, expires 2030-07-30	FMA RL 144, SRL 57; any 375	\$27,819,169.12	14 total; 0 since its plan	
South Daytona city	City	Approved, expires 2030-07-30	FMA RL 141, SRL 38; any 341	\$8,811,190.84	3 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).

School districts and special districts get a plan clock row only.

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.

- 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	Agriculture exposure	Population exposed	EAL buildings	EAL agriculture	Cost of expected deaths and injuries	EAL as % of exposure	Storm Events damage since 2025-07-30	Zone-level damage since plan	Public Assistance since plan	Note
	<i>modeled dollars</i>	<i>modeled dollars</i>	<i>people</i>	<i>modeled dollars per year</i>	<i>modeled dollars per year</i>	<i>FEMA's dollar value per year, not property damage</i>	<i>buildings; agriculture where noted</i>	<i>county-coded records, property plus crops, nominal dollars</i>	<i>property plus crops, reported for the zone</i>	<i>nominal dollars; see note</i>	
Coastal Flooding	\$15,962,550,354	n/a	92,956	\$2,942,104	n/a	\$433,499	0.0184%		\$100,000		
Cold Wave	\$92,577,618,782	\$252,862,527	551,829	\$45,051	\$830,458	\$468,815	under 0.0001%				
Drought	n/a	\$164,232,240	n/a	n/a	\$28,428	n/a	0.0173% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$160,124,553,224	n/a	553,543	\$444,974	n/a	\$189,192	0.000278%				
Hail	\$92,577,618,782	\$252,862,527	551,829	\$34,280	\$95,654	\$20,104	under 0.0001%	\$0			

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 2025-07-30 <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
Heat Wave	\$92,577,618,782	\$252,862,527	551,829	\$108	\$121	\$1,836,508	under 0.0001%				
Hurricane	\$92,575,864,658	\$252,862,527	551,815	\$80,361,098	\$2,445,218	\$4,163,159	0.0868%				
Inland Flooding	\$92,442,259,517	\$21,476,412	60,044	\$66,711,991	\$54,546	\$148,850	n/a (see note)	\$453,000			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	\$289,865,181	n/a	1,395	\$1,796	n/a	\$5	0.00062%				
Lightning	\$92,577,618,782	n/a	551,829	\$135,923	n/a	\$4,452,500	0.000147%				
Strong Wind	\$92,577,618,782	\$252,862,527	551,829	\$449,296	\$49,551	\$1,089,114	0.000485%	\$0			
Tornado	\$92,577,618,782	\$252,862,527	551,829	\$7,261,896	\$10,901	\$16,354,564	0.00784%	\$0			
Tsunami	n/a	n/a	n/a	n/a	n/a	n/a					NRI publishes no building exposure for this county
Wildfire	\$9,910,796,806	\$166,856,578	93,174	\$4,042,659	\$11,270	\$582,490	0.0408%				
Winter Weather	\$0	\$0	0	\$0	\$0	\$0					building exposure is 0 in NRI

Totals since 2025-07-30 (Storm Events through 2026-06-30): 7 county-coded records, 7 with a damage value recorded (including \$0), \$453,000; 1 zone-level records, 1 with a damage value recorded (including \$0), \$100,000 reported for the zone; Public Assistance: no counted declaration since the plan.

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	551,829
Building value (total, not at risk)	\$92,577,618,782
Agriculture value (total, not at risk)	\$252,862,527
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$165,957,324
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)	\$29,738,799
Social vulnerability rating	Relatively Moderate
Community resilience rating	Relatively Moderate
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)	483	Severe repetitive loss, FMA definition (44 CFR 77.2)	239
Repetitive loss, NFIP insurance definition	1,605	Severe repetitive loss, NFIP insurance definition	200

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

Repeat-flood properties: county and state-level rows

Sources: 1, 4

Scope	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>
County total	483	239	1,605	200	1,653	35	1,240
of which: Flagler Beach city (plan jurisdiction listed on the Flagler County page)	6	12	23	12	23	0	10
of which: Deland city	0	0	2	0	2	0	0
of which: Edgewater city	8	5	27	5	28	0	23
of which: Ponce Inlet town	6	4	16	3	17	0	10

Scope	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>
of which: Port Orange city	144	57	365	52	375	2	309
of which: South Daytona city	141	38	339	30	341	9	294
of which: Orange City city	1	1	1	0	1	0	1
of which: Debarry city	2	0	4	0	5	1	4
of which: Lake Helen city	0	0	1	0	1	0	1
of which: Deltona city	2	2	14	1	14	0	10
of which: Daytona Beach city	69	45	284	40	296	1	217
of which: Daytona Beach Shores city	0	1	10	1	10	0	6
of which: Holly Hill city	19	4	89	3	92	1	68
of which: New Smyrna Beach city	16	16	111	13	112	3	79
of which: Ormond Beach city	9	13	55	12	57	5	33
of which: Volusia County (unincorporated area)	60	41	264	28	279	13	175
Statewide, no county in FEMA's file	0	1	9	0	10	0	1

23 of the county's repeat-flood properties belong to NFIP communities whose plan jurisdiction is not listed on this page (the community rows above name the page that lists it).

The statewide row counts properties FEMA's file gives with no county in this state; they are listed for reference and are not in this county's counts.

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>
Volusia County (unincorporated area)	125155	60	41	264	28	279	13	175
Daytona Beach city	125099	69	45	284	40	296	1	217
Daytona Beach Shores city	125100	0	1	10	1	10	0	6
DeBary city	120672	2	0	4	0	5	1	4
DeLand city	120307	0	0	2	0	2	0	0
Deltona city	120677	2	2	14	1	14	0	10
Edgewater city	120308	8	5	27	5	28	0	23
Holly Hill city	125112	19	4	89	3	92	1	68
Lake Helen city	120674	0	0	1	0	1	0	1
New Smyrna Beach city	125132	16	16	111	13	112	3	79
Oak Hill city	120624	0	0	0	0	0	0	0
Orange City city	120633	1	1	1	0	1	0	1
Ormond Beach city	125136	9	13	55	12	57	5	33
Pierson town	120675	0	0	0	0	0	0	0
Ponce Inlet town	120312	6	4	16	3	17	0	10

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>
Port Orange city	120313	144	57	365	52	375	2	309
South Daytona city	120314	141	38	339	30	341	9	294

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	465	189	1,375	156	1,420	32	1,098
2 to 4 unit residential	4	2	25	2	25	0	18
other residential	9	25	106	25	106	1	62
non-residential	5	23	99	17	102	2	62
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 39 properties are FMA repetitive loss but not NFIP repetitive loss, and 1,161 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_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_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/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

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Cite this: Hazard Plain (2026). Volusia County, FL: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 12127). Automated baseline. <https://hazardplain.org/fl/12127/> 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