

Brevard County, FL

Risk-assessment baseline packet

County FIPS: 12009 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 2030-11-19. Plan: Brevard County (FEMA plan 111168), approved 2025-11-19.

Since the plan was approved on 2025-11-19: no new hazard declaration and 14 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 (\$281,477,818 a year), Inland Flooding (\$73,153,558) and Tornado (\$12,381,836).

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; 12009 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

Status:	Approved, expires 2030-11-19	Plan:	Brevard County (FEMA plan 111168)
Approved:	2025-11-19	Days to expiry:	1,511

What changed since your last plan (approved 2025-11-19)

New federal declarations:	none	Storm Events records since approval:	14 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 41, SRL 25 (44 CFR 77.2); any definition: 309	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: 19 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
Brevard County (unincorporated area)	Unincorporated	Approved, expires 2030-11-19	Brevard County (FEMA plan 111168)	2025-11-19	2030-11-19	1,511		
Cape Canaveral city	City	Approved, expires 2030-11-19	Brevard County (FEMA plan 111168)	2025-11-19	2030-11-19	1,511		this jurisdiction approved 2026-02-04
Cocoa Beach city	City	Approved, expires 2030-11-19	Brevard County (FEMA plan 111168)	2025-11-19	2030-11-19	1,511		this jurisdiction approved 2026-09-23
Cocoa city	City	Approved, expires 2030-11-19	Brevard County (FEMA plan 111168)	2025-11-19	2030-11-19	1,511		this jurisdiction approved 2026-06-30
Grant-Valkaria town	Town	Approved, expires 2030-11-19	Brevard County (FEMA plan 111168)	2025-11-19	2030-11-19	1,511		this jurisdiction approved 2026-09-23
Indialantic town	Town	Approved, expires 2030-11-19	Brevard County (FEMA plan 111168)	2025-11-19	2030-11-19	1,511		this jurisdiction approved 2026-02-04
Indian Harbour Beach city	City	Approved, expires 2030-11-19	Brevard County (FEMA plan 111168)	2025-11-19	2030-11-19	1,511		this jurisdiction approved 2026-09-23
Malabar town	Town	Plan 111168 approved 2025-11-19, pending adoption here; not yet eligible	Brevard County (FEMA plan 111168), pending adoption here	2025-11-19 by FEMA; not yet adopted here	2030-11-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Melbourne Beach town	Town	Approved, expires 2030-11-19	Brevard County (FEMA plan 111168)	2025-11-19	2030-11-19	1,511		this jurisdiction approved 2026-09-23
Melbourne city	City	Approved, expires 2030-11-19	Brevard County (FEMA plan 111168)	2025-11-19	2030-11-19	1,511		this jurisdiction approved 2025-12-17
Palm Bay city	City	Approved, expires 2030-11-19	Brevard County (FEMA plan 111168)	2025-11-19	2030-11-19	1,511		this jurisdiction approved 2026-07-17
Palm Shores town	Town	Plan 111168 approved 2025-11-19, pending adoption here; not yet eligible	Brevard County (FEMA plan 111168), pending adoption here	2025-11-19 by FEMA; not yet adopted here	2030-11-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Rockledge city	City	Plan 111168 approved 2025-11-19, pending adoption here; not yet eligible	Brevard County (FEMA plan 111168), pending adoption here	2025-11-19 by FEMA; not yet adopted here	2030-11-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Satellite Beach city	City	Approved, expires 2030-11-19	Brevard County (FEMA plan 111168)	2025-11-19	2030-11-19	1,511		this jurisdiction approved 2026-09-23
Titusville city	City	Approved, expires 2030-11-19	Brevard County (FEMA plan 111168)	2025-11-19	2030-11-19	1,511		this jurisdiction approved 2025-12-17
West Melbourne city	City	Approved, expires 2030-11-19	Brevard County (FEMA plan 111168)	2025-11-19	2030-11-19	1,511		this jurisdiction approved 2026-06-30
Brevard County School District	School/School District	Plan 111168 approved 2025-11-19, pending adoption here; not yet eligible	Brevard County (FEMA plan 111168), pending adoption here	2025-11-19 by FEMA; not yet adopted here	2030-11-19 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Cape Canaveral Port Authority	Highway/Port/ Rail	Approved, expires 2030-11-19	Brevard County (FEMA plan 111168)	2025-11-19	2030-11-19	1,511		this jurisdiction approved 2026-02-04
Parrish Medical Center	Hospital/ Medical Facility	Approved, expires 2030-11-19	Brevard County (FEMA plan 111168)	2025-11-19	2030-11-19	1,511		this jurisdiction approved 2025-12-03

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	\$260,223,507	\$972,993	\$20,281,319	\$281,477,818	21	Includes 1 Tropical Depression record (outside NRI's Hurricane definition).
2	Inland Flooding	Relatively High	Relatively High	\$72,698,044	\$128,059	\$327,455	\$73,153,558	33	
3	Tornado	Relatively High	Relatively High	\$6,539,826	\$2,230	\$5,839,780	\$12,381,836	61	
4	Wildfire	Relatively Moderate	Relatively Moderate	\$7,032,870	\$5,144	\$773,064	\$7,811,078	2	
5	Lightning	Very High	Very High	\$416,999	n/a	\$5,137,500	\$5,554,499	37	
6	Strong Wind	Relatively High	Relatively High	\$436,716	\$78,283	\$2,802,330	\$3,317,330	348	Includes 5 High Wind and 2 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
7	Coastal Flooding	Relatively Moderate	Relatively High	\$2,344,662	n/a	\$282,910	\$2,627,572	10	
8	Heat Wave	Relatively Moderate	Relatively Moderate	\$147	\$40	\$2,074,937	\$2,075,124	2	
9	Cold Wave	Relatively Low	Relatively Low	\$27,639	\$135,479	\$255,606	\$418,723	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	Very Low	Very Low	\$166,006	n/a	\$59,253	\$225,258		Storm Events does not record earthquakes.
11	Hail	Relatively Low	Relatively Low	\$37,236	\$27,758	\$78,825	\$143,819	201	

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
12	Drought	Relatively Low	Relatively Low	n/a	\$133,081	n/a	\$133,081	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Landslide	Very Low	Very Low	\$1,279	n/a	\$2	\$1,281	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	3	
	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 647.02 (Very Low, 26.0); tract 716.02 (Very Low, 23.5); tract 604 (Very Low, 22.8)
Hurricane	tract 647.02 (Very High, 99.9); tract 641.27 (Very High, 99.8); tract 694 (Very High, 99.7)
Landslide	tract 661.04 (Relatively Low, 82.5); tract 712.05 (Relatively Low, 81.5); tract 713.48 (Very Low, 79.6)
Tornado	tract 641.28 (Relatively High, 75.9); tract 641.27 (Relatively High, 75.7); tract 647.02 (Relatively High, 74.4)
Tsunami	no tract has a National Risk Index rating for this hazard
Wildfire	tract 711 (Very High, 99.2); tract 713.54 (Relatively High, 98.5); tract 612.02 (Relatively High, 98.2)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 647.02 is Census Tract 647.02). 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 2022 (10 zone-level)		Storm Surge/Tide, 2016-10-06, \$25,000,000 property; \$0 crops (2016 dollars); NWS zone FLZ047		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, \$1,150,000 crop damage (2010 dollars); NWS zone FLZ047		Countywide (zone-level records).	
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)	236 records, 1970 to 2026	0.75 in to 2.5 in (median 1 in); 235 with a recorded value	2.5 in hail, 2003-03-17		Event records naming jurisdictions in the plan: Titusville city (25 records), Palm Bay city (20 records), Melbourne city (15 records), Cocoa city (12 records), Rockledge city (10 records), West Melbourne city (5 records), Indialantic town (4 records), Malabar town (4 records), Cape Canaveral city (3 records), Indian Harbour Beach city (3 records); and 3 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), zone-level		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
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	21 records, 1999 to 2024 (21 zone-level)		Strongest recorded: Hurricane record (NOAA event type 'Hurricane (Typhoon)'), 2016-10-06 to 2016-10-07, category 2, \$75,000,000 property; crops not reported (2016 dollars), 1 direct injury (reported for the zone); NWS zone FLZ047	Most damaging recorded: Hurricane (Typhoon), 2004-09-25, \$320,400,000 property; \$7,700,000 crops (zone total, 2004 dollars)	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)	33 records, 1996 to 2025		Flash Flood, 2008-08-20, \$70,000,000 property; \$0 crops (2008 dollars)		Event records naming jurisdictions in the plan: Melbourne city (5 records), Malabar town (2 records), Cape Canaveral city (1 record), Cocoa city (1 record), Palm Bay city (1 record), Rockledge city (1 record).	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)	37 records, 1996 to 2024		Lightning, 2022-09-15, \$0 property; \$0 crops (2022 dollars), 2 direct deaths	Lightning, 2008-07-11, \$2,500,000 property; \$0 crops (2008 dollars)	Event records naming jurisdictions in the plan: Palm Bay city (4 records), Melbourne city (3 records), Melbourne Beach town (2 records), Titusville city (2 records), Cocoa Beach city (1 record), Indian Harbour Beach city (1 record).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	7 records, 1996 to 2026 (7 zone-level)	25 kt (29 mph) to 70 kt (81 mph) (median 50 kt (58 mph)); 7 with a recorded value	70 kt (81 mph) measured gust, High Wind, 2011-10-09; NWS zone FLZ047	High Wind, 1996-03-19, \$10,000 property; crops not reported (zone total, 1996 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	428 records, 1960 to 2026	39 kt (45 mph) to 85 kt (98 mph) (median 52 kt (60 mph)); 349 with a recorded value	85 kt (98 mph), measurement type not recorded, Thunderstorm Wind, 1968-07-09	Thunderstorm Wind, 1994-06-25, \$500,000 property; crops not recorded (1994 dollars)	Event records naming jurisdictions in the plan: Cape Canaveral city (30 records), Melbourne city (24 records), Titusville city (22 records), Palm Bay city (11 records), Rockledge city (11 records), Cocoa Beach city (9 records), Cocoa city (7 records), Melbourne Beach town (7 records), Indian Harbour Beach city (4 records), Satellite Beach city (4 records); and 3 more jurisdictions (see the Excel file).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Tornado	Enhanced Fujita (Fujita before Feb 2007)	138 records, 1953 to 2025	F/EF0 to F/EF3 (median F/EF0); 131 with a recorded value	F3 tornado, 1972-06-19, 3.8 mi path length (whole path, pre-1996), 100 yd wide, \$2,500,000 property; crops not recorded (1972 dollars), 23 direct injuries	Tornado, 1994-11-15, \$50,000,000 property; crops not recorded (1994 dollars)	Event records naming jurisdictions in the plan: Palm Bay city (6 records), Indianapolis town (4 records), Melbourne city (4 records), Rockledge city (4 records), Titusville city (4 records), Cocoa Beach city (3 records), Melbourne Beach town (2 records), West Melbourne city (2 records), Cape Canaveral city (1 record), Cocoa 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)	2 records, 1998 to 2008 (1 zone-level)		Wildfire, 1998-07-01, \$200,000,000 property; crops not reported (1998 dollars), 52 direct injuries		No event record names a jurisdiction in the plan. Zone-level records (1) apply countywide.	
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	3 records, 2008 to 2022 (3 zone-level)		No damage reported in 3 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: 45 declarations covering 31 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	\$12,893,632.77	within last 5 years	
2024-10-07	2024-10-05	EM-3622-FL	Emergency	Hurricane Milton	Hurricane	no Public Assistance recorded	within last 5 years	same incident as DR-4834
2024-08-10	2024-08-01	DR-4806-FL	Major disaster	Hurricane Debby	Hurricane	no Public Assistance recorded	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	within last 5 years	same incident as DR-4806
2023-08-31	2023-08-27	DR-4734-FL	Major disaster	Hurricane Idalia	Hurricane	\$27,497.99	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-4734
2022-12-13	2022-11-07	DR-4680-FL	Major disaster	Hurricane Nicole	Hurricane	\$20,396,195.11	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-4680

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2022-09-29	2022-09-23	DR-4673-FL	Major disaster	Hurricane Ian	Hurricane	\$13,360,904.21	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-4673
2020-08-01	2020-07-31	EM-3533-FL	Emergency	Hurricane Isaias	Hurricane	no Public Assistance recorded		
2020-03-25	2020-01-20	DR-4486-FL	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$7,300,398.95		
2020-03-13	2020-01-20	EM-3432-FL	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4486
2019-10-21	2019-08-28	DR-4468-FL	Major disaster	Hurricane Dorian	Hurricane	\$5,795,446.56		
2019-08-30	2019-08-28	EM-3419-FL	Emergency	Hurricane Dorian	Hurricane	no Public Assistance recorded		same incident as DR-4468
2017-09-10	2017-09-04	DR-4337-FL	Major disaster	Hurricane Irma	Hurricane	\$48,377,860.29		
2017-09-05	2017-09-04	EM-3385-FL	Emergency	Hurricane Irma	Hurricane	no Public Assistance recorded		same incident as DR-4337
2016-10-08	2016-10-03	DR-4283-FL	Major disaster	Hurricane Matthew	Hurricane	\$30,614,809.83		
2016-10-06	2016-10-03	EM-3377-FL	Emergency	Hurricane Matthew	Hurricane	no Public Assistance recorded		same incident as DR-4283
2008-08-24	2008-08-18	DR-1785-FL	Major disaster	Tropical Storm Fay	Hurricane; Inland Flooding	\$7,639,831.45		
2008-08-21	2008-08-18	EM-3288-FL	Emergency	Tropical Storm Fay	Hurricane; Inland Flooding	no Public Assistance recorded		same incident as DR-1785
2008-05-12	2008-05-11	FM-2765-FL	Fire management	Brevard Fire Complex	Wildfire	no Public Assistance recorded		
2005-10-24	2005-10-23	DR-1609-FL	Major disaster	Hurricane Wilma	Hurricane	\$14,216,742.92		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
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	\$33,695,915.84		
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	\$29,262,727.36		
2004-08-13	2004-08-11	DR-1539-FL	Major disaster	Tropical Storm Bonnie and Hurricane Charley	Hurricane	\$2,751,421.18		
2001-04-17	2001-04-16	FM-2357-FL	Fire management	FI - Orlando Complex Fire	Wildfire	no Public Assistance recorded		
2001-02-05	2000-12-01	DR-1359-FL	Major disaster	Severe Freeze	Cold Wave	PA not declared for this county		
2000-05-28	2000-05-28	FM-2301-FL	Fire management	FI, Orlando District Fire Complex	Wildfire	no Public Assistance recorded		
1999-10-20	1999-10-14	DR-1306-FL	Major disaster	FI-Hurricane Irene-Dr-Req	Hurricane	\$6,270,783.38		
1999-10-15	1999-10-14	EM-3150-FL	Emergency	Tropical Storm Irene - Florida	Hurricane	no Public Assistance recorded		same incident as DR-1306
1999-09-22	1999-09-13	DR-1300-FL	Major disaster	Hurricane Floyd Major Disaster Declarations	Hurricane	\$3,244,265.41		
1999-09-14	1999-09-14	EM-3143-FL	Emergency	Hurricane Floyd Emergency Declarations	Hurricane	no Public Assistance recorded		same incident as DR-1306
1999-04-27	1999-04-15	EM-3139-FL	Emergency	FI-Fires 04/15/99	Wildfire	no Public Assistance recorded		
1999-04-15	1999-04-13	FM-2253-FL	Fire management	FI-Fires 04/13/99	Wildfire	no Public Assistance recorded		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
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		
1995-08-10	1995-08-02	DR-1062-FL	Major disaster	Hurricane Erin	Hurricane	no Public Assistance recorded		
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		
1990-01-15	1989-12-23	DR-851-FL	Major disaster	Severe Freeze	Cold Wave	PA not declared for this county		
1985-03-18	1985-03-18	DR-732-FL	Major disaster	Severe Freeze	Cold Wave	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		
1972-06-23	1972-06-23	DR-337-FL	Major disaster	Tropical Storm Agnes	Hurricane	no Public Assistance recorded		

School districts and special districts in this county: \$0 (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 records	In the 12 months before plan approval records	Last 5 years records	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Coastal Flooding	10	0	0	3	0	0	1996 to 2026-06-30	
Cold Wave	6	0	0	0	4	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
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	236	4	6	28	0	0	1955 to 2026-06-30	
Heat Wave	2	0	0	1	0	0	1996 to 2026-06-30	
Hurricane	21	0	0	6	20	0	1996 to 2026-06-30	Includes 1 Tropical Depression record.
Inland Flooding	33	0	6	12	5	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

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
Lightning	37	0	0	4	0	0	1996 to 2026-06-30	
Strong Wind	435	10	10	58	2	0	1955 to 2026-06-30	Includes 5 High Wind and 2 Strong Wind records.
Tornado	138	0	1	6	3	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	2	0	0	0	6	0	1996 to 2026-06-30	
Winter Weather	3	0	0	1	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
2025-06-04	Thunderstorm Wind	48 kt (55 mph) estimated gust	property not reported; \$0 crops (2025 dollars)	2, 0	MERRITT IS	in the 12 months before plan approval; within last 5 years	deaths or injuries recorded
2022-09-15	Lightning		\$0 property; \$0 crops (2022 dollars)	2, 0	SCOTTSMOOR	within last 5 years	deaths or injuries recorded
2016-10-06	Storm Surge/Tide		\$25,000,000 property; \$0 crops (zone total, 2016 dollars)	0, 0	NWS zone FLZ047 (BREVARD), zone-level		B1-c worst recorded: Coastal Flood, Storm Surge/Tide
2016-10-06	Hurricane (NOAA event type 'Hurricane (Typhoon)')	category 2	\$75,000,000 property; crops not reported (zone total, 2016 dollars)	0, 1	NWS zone FLZ047 (BREVARD), zone-level		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2011-10-09	High Wind	70 kt (81 mph) measured gust	\$0 property; \$0 crops (zone total, 2011 dollars)	0, 0	NWS zone FLZ047 (BREVARD), 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 FLZ047 (BREVARD), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2008-08-20	Flash Flood		\$70,000,000 property; \$0 crops (2008 dollars)	0, 0	WEST EAUGALLIE to VALKARIA ARPT		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1998-07-01	Wildfire		\$200,000,000 property; crops not reported (1998 dollars)	0, 52	COUNTYWIDE		B1-c worst recorded: Wildfire
1998-06-01	Heat		damage not reported	0, 0	NWS zone FLZ047 (BREVARD), zone-level		B1-c worst recorded: Excessive Heat, Heat
1994-11-15	Tornado	F2, 0.1 mi path length (whole path, pre-1996), 10 yd wide	\$50,000,000 property; crops not recorded (1994 dollars)	1, 40	VRB		deaths or injuries recorded
1972-06-19	Tornado	F3, 3.8 mi path length (whole path, pre-1996), 100 yd wide	\$2,500,000 property; crops not recorded (1972 dollars)	0, 23	location not recorded		B1-c worst recorded: Tornado
1968-07-09	Thunderstorm Wind	85 kt (98 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind

The full list is in the Excel file, sheet "B1-d Storm Events history" (923 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	1.05	events per year at a location (modeled)	about 1.1 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	3.33	event-days per year	about 3.33 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	43.9	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	18.9	event-days per year	about 18.9 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	721	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No Storm Events drought record, 1996 to 2025
Earthquake	0.000411	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0411%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	1.68	events per year	about 1.68 per year	Highly likely	FEMA annualized frequency (modeled)	71.9 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	1.86	event-days per year	about 1.86 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	18	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.276	events per year	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	108	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	0.679	event-days per year	about 0.679 days per year	Likely	Storm Events event-days in 14 of 30 years, 1996 to 2025 (46.7%)	19	1996 to 2023 (28 years)	see B1-f	
Landslide	0.111	events per year (modeled)	about 1 in 9 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	73	days per year with a strike	about 73 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	0.844	events per year	about 0.84 per year	Likely	FEMA annualized frequency (modeled)	27	1986 to 2023 (38 years)	countywide	
Tornado	0.789	events per year	about 0.79 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	0.0114	annual probability at a location	chance a given location in the county burns in a year: 1.14%	Possible	Storm Events records in 2 of 30 years, 1996 to 2025 (6.67%)	not shown	modeled	see B1-f	
Winter Weather	0	event-days per year	none modeled	Likely	Storm Events event-days in 3 of 30 years, 1996 to 2025 (10%)	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 3 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	105	30	3.5
Hail	2.00 in+	1996 to 2025	7	30	0.233
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	271	30	9.03
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	22	30	0.733
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	39	30	1.3
Tornado	EF0-1	1996 to 2025	59	30	1.97
Tornado	EF2-3	1996 to 2025	2	30	0.0667
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	91 of 147	68.3	85.5	97.9	Relatively High 6, Relatively Moderate 28, Relatively Low 43, Very Low 14, No Rating 56
Cold Wave	147 of 147	15.6	17.8	60.9	Relatively Moderate 1, Relatively Low 26, Very Low 120
Drought	25 of 147	66.9	73.8	95.1	Relatively Moderate 1, Relatively Low 5, Very Low 19, No Rating 122
Earthquake	147 of 147	0.2	7.4	26.0	Very Low 147
Hail	147 of 147	0.5	19.0	66.3	Relatively Low 1, Very Low 146
Heat Wave	147 of 147	1.3	19.2	43.0	Relatively Low 85, Very Low 62
Hurricane	147 of 147	52.2	97.3	99.9	Very High 79, Relatively High 62, Relatively Moderate 4, Relatively Low 2
Inland Flooding	147 of 147	0.2	33.4	89.8	Relatively High 11, Relatively Moderate 40, Relatively Low 57, Very Low 39
Landslide	137 of 147	9.4	48.0	82.5	Relatively Low 2, Very Low 135, No Rating 10
Lightning	147 of 147	0.3	85.2	97.9	Very High 12, Relatively High 94, Relatively Moderate 34, Relatively Low 3, Very Low 4
Strong Wind	147 of 147	0.3	56.9	85.7	Relatively High 1, Relatively Moderate 86, Relatively Low 56, Very Low 4
Tornado	147 of 147	1.6	55.2	75.9	Relatively High 3, Relatively Moderate 79, Relatively Low 60, Very Low 5
Tsunami	0 of 147				Insufficient Data 147
Wildfire	129 of 147	18.6	86.9	99.2	Very High 1, Relatively High 8, Relatively Moderate 48, Relatively Low 48, Very Low 24, No Rating 18
Winter Weather	0 of 147				No Rating 147

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, 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
Brevard County (unincorporated area)	Unincorporated	Approved, expires 2030-11-19	FMA RL 19, SRL 11; any 173	\$136,937,400.59	0 total; 0 since its plan	
Cape Canaveral city	City	Approved, expires 2030-11-19	FMA RL 0, SRL 0; any 5	\$575,684.77	35 total; 0 since its plan	
Cocoa Beach city	City	Approved, expires 2030-11-19	FMA RL 0, SRL 0; any 3	\$3,120,934.51	14 total; 0 since its plan	Includes \$27,786.52 for declarations not counted as hazard incidents (DR-4486-FL).
Cocoa city	City	Approved, expires 2030-11-19	FMA RL 4, SRL 2; any 13	\$6,769,196.25	21 total; 0 since its plan	
Grant-Valkaria town	Town	Approved, expires 2030-11-19	FMA RL 1, SRL 2; any 5	\$130,697.49	0 total; 0 since its plan	
Indialantic town	Town	Approved, expires 2030-11-19	FMA RL 1, SRL 1; any 7	\$654,094.90	11 total; 1 since its plan	
Indian Harbour Beach city	City	Approved, expires 2030-11-19	FMA RL 0, SRL 0; any 3	\$641,038.63	8 total; 0 since its plan	
Malabar town	Town	Plan 111168 approved 2025-11-19, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 3	\$1,384,579.95	7 total; no approved plan	
Melbourne Beach town	Town	Approved, expires 2030-11-19	FMA RL 0, SRL 0; any 3	\$1,962,734.84	13 total; 2 since its plan	
Melbourne city	City	Approved, expires 2030-11-19	FMA RL 6, SRL 5; any 44	\$16,031,406.47	51 total; 0 since its plan	
Palm Bay city	City	Approved, expires 2030-11-19	FMA RL 6, SRL 3; any 18	\$15,064,423.97	42 total; 1 since its plan	Includes \$136,081.94 for declarations not counted as hazard incidents (DR-4486-FL).
Palm Shores town	Town	Plan 111168 approved 2025-11-19, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$137,916.69	0 total; no approved plan	
Rockledge city	City	Plan 111168 approved 2025-11-19, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	\$3,772,826.19	26 total; no approved plan	
Satellite Beach city	City	Approved, expires 2030-11-19	FMA RL 0, SRL 1; any 10	\$1,922,505.47	7 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>	
Titusville city	City	Approved, expires 2030-11-19	FMA RL 2, SRL 0; any 6	\$8,133,527.76	53 total; 1 since its plan	
West Melbourne city	City	Approved, expires 2030-11-19	FMA RL 2, SRL 0; any 12	\$924,916.64	11 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 <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 2025-11-19 <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	\$21,149,633,130	n/a	95,608	\$2,344,662	n/a	\$282,910	0.0111%				
Cold Wave	\$118,536,130,402	\$75,925,637	606,067	\$27,639	\$135,479	\$255,606	under 0.0001%				
Drought	n/a	\$43,543,498	n/a	n/a	\$133,081	n/a	0.306% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$196,691,950,285	n/a	606,612	\$166,006	n/a	\$59,253	under 0.0001%				
Hail	\$118,536,130,402	\$75,925,637	606,067	\$37,236	\$27,758	\$78,825	under 0.0001%	\$0			
Heat Wave	\$118,536,130,402	\$75,925,637	606,067	\$147	\$40	\$2,074,937	under 0.0001%				
Hurricane	\$118,535,497,333	\$75,925,637	606,061	\$260,223,507	\$972,993	\$20,281,319	0.22%				

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 2025-11-19 <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
Inland Flooding	\$118,255,018,269	\$49,646,370	43,083	\$72,698,044	\$128,059	\$327,455	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	\$248,615,009	n/a	1,231	\$1,279	n/a	\$2	0.000514%				
Lightning	\$118,536,130,402	n/a	606,067	\$416,999	n/a	\$5,137,500	0.000352%				
Strong Wind	\$118,536,130,402	\$75,925,637	606,067	\$436,716	\$78,283	\$2,802,330	0.000368%	\$0	\$0		
Tornado	\$118,536,130,402	\$75,925,637	606,067	\$6,539,826	\$2,230	\$5,839,780	0.00552%				
Tsunami	n/a	n/a	n/a	n/a	n/a	n/a					NRI publishes no building exposure for this county
Wildfire	\$10,480,889,342	\$60,118,382	77,032	\$7,032,870	\$5,144	\$773,064	0.0671%				
Winter Weather	\$0	\$0	0	\$0	\$0	\$0					building exposure is 0 in NRI

Totals since 2025-11-19 (Storm Events through 2026-06-30): 13 county-coded records, 13 with a damage value recorded (including \$0), \$0; 1 zone-level records, 1 with a damage value recorded (including \$0), \$0 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	606,067
Building value (total, not at risk)	\$118,536,130,402
Agriculture value (total, not at risk)	\$75,925,637
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$351,407,997
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)	\$37,912,981
Social vulnerability rating	Relatively Moderate
Community resilience rating	Relatively 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)	41	Severe repetitive loss, FMA definition (44 CFR 77.2)	25
Repetitive loss, NFIP insurance definition	304	Severe repetitive loss, NFIP insurance definition	20

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	41	25	304	20	309	2	138
of which: Cocoa city	4	2	13	1	13	0	4
of which: Malabar town	0	0	3	0	3	0	2
of which: Melbourne city	6	5	44	5	44	0	26
of which: Rockledge city	0	0	1	0	1	0	0

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: Satellite Beach city	0	1	9	0	10	0	1
of which: Grant-Valkaria town	1	2	5	2	5	0	2
of which: Melbourne Village town (community ID not in plan data)	0	0	1	0	1	0	0
of which: West Melbourne city	2	0	12	0	12	0	3
of which: Palm Bay city	6	3	17	3	18	0	12
of which: Cape Canaveral Port Authority (community ID not in plan data)	0	0	1	0	1	0	0
of which: Brevard County (unincorporated area)	19	11	170	8	173	2	76
of which: Cape Canaveral city	0	0	5	0	5	0	2
of which: Cocoa Beach city	0	0	3	0	3	0	1
of which: Indialantic town	1	1	7	1	7	0	3
of which: Indian Harbor Beach city	0	0	3	0	3	0	1
of which: Melbourne Beach town	0	0	3	0	3	0	2
of which: Titusville city	2	0	6	0	6	0	3
of which: Unknown (community ID Unknown in FEMA data)	0	0	1	0	1	0	0
Statewide, no county in FEMA's file	0	1	9	0	10	0	1

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>
Brevard County (unincorporated area)	125092	19	11	170	8	173	2	76
Cape Canaveral city	125094	0	0	5	0	5	0	2
Cocoa Beach city	125097	0	0	3	0	3	0	1
Cocoa city	120020	4	2	13	1	13	0	4
Grant-Valkaria town	120224	1	2	5	2	5	0	2
Indialantic town	125115	1	1	7	1	7	0	3
Indian Harbour Beach city	125116	0	0	3	0	3	0	1
Malabar town	120024	0	0	3	0	3	0	2
Melbourne Beach town	125128	0	0	3	0	3	0	2
Melbourne city	120025	6	5	44	5	44	0	26
Palm Bay city	120404	6	3	17	3	18	0	12
Palm Shores town	120612	0	0	0	0	0	0	0
Rockledge city	120027	0	0	1	0	1	0	0
Satellite Beach city	120028	0	1	9	0	10	0	1

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>
Titusville city	125152	2	0	6	0	6	0	3
West Melbourne city	120335	2	0	12	0	12	0	3

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	38	21	277	17	282	2	131
2 to 4 unit residential	2	0	9	0	9	0	1
other residential	0	1	7	1	7	0	4
non-residential	1	3	11	2	11	0	2
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 2 properties are FMA repetitive loss but not NFIP repetitive loss, and 265 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/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).

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Cite this: Hazard Plain (2026). Brevard County, FL: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 12009). Automated baseline. <https://hazardplain.org/fl/12009/> 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