



FLOOD RESILIENCY IN BREVARD COUNTY



For more information about the Space Coast
Transportation Planning Organization's resiliency planning go to
<https://www.spacecoasttpo.com/what-we-do/planning/resiliency-planning>

Roadways in Brevard County are flooding today.

The Transportation Resiliency Master Plan (RMP) identifies a baseline for the impacts of flooding and other natural hazards on roads in Brevard County. This booklet summarizes key takeaways and impacts identified in the Transportation RMP.

What do we mean by flooding?



Hurricanes

In the last 100 years, 12 hurricane strength storms have caused inland flooding. In 2005, Hurricane Wilma flooded 200 homes in Cocoa.



Heavy Rains

Roadways flood during heavy rains as water ponds or flows towards canals.



Floodplain

Areas and roadways that are likely to flood at least once in the next 100 years are considered 'impacted' in this analysis. 56% of roads are impacted by flooding.

Planned projects offer opportunities to include resiliency elements to address flooding.

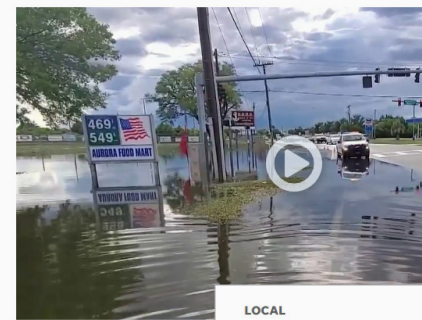
17 projects in the Long Range Transportation Plan, Cost Feasible Plan are on roads impacted by flooding

12 upcoming FDOT resurfacing projects are on roads impacted by flooding

More funding opportunities than ever before are available from the federal and state government!

Melbourne streets close due to flooding, city says

McClendon and Steele Streets are closed



Storms flood streets in Brevard County.

MELBOURNE, Fla. - Streets in Melbourne, Brevard and Volusia Counties.

The intersection of McClendon and Steele Streets in Melbourne.

LOCAL

Brevard deluged with water in storm

J.D. Gallop
Florida Today

Published 1:47 p.m. ET Oct. 1, 2017 | Updated

View Comments



Raw video shows streets flooded in Melbourne.

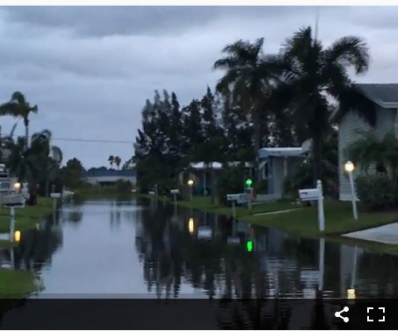
56%
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down

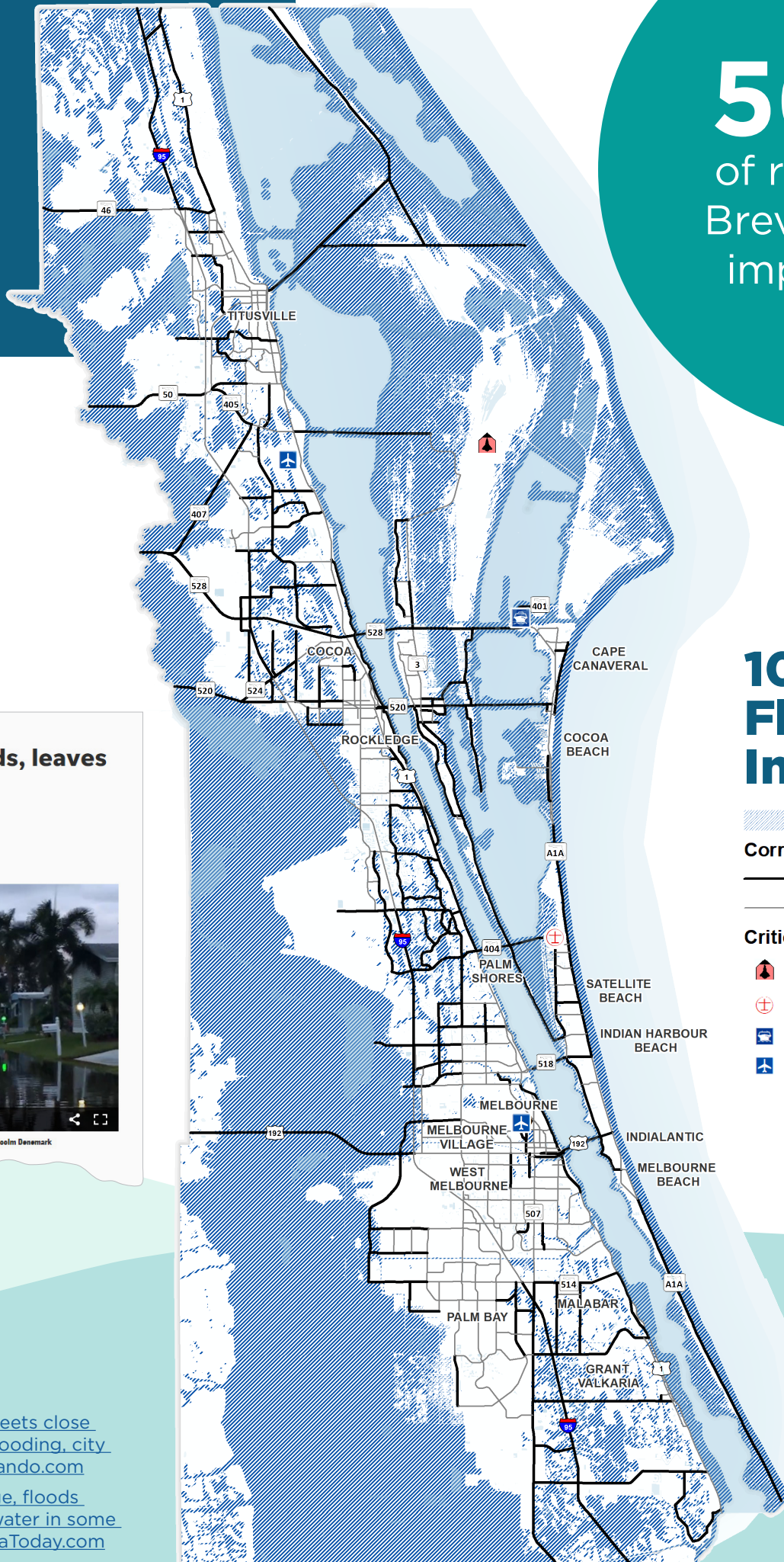


uge, floods roads, leaves
me homes

dated 12:38 p.m. ET Oct. 2, 2017



ourne's Lamplighter Village. Posted Oct. 2, 2017. By Malcolm Denmark



100 Year Flood Impacts

100 Year Floodplain

Corridors

Impacted

Not Impacted

Critical Regional Asset

Kennedy Space Center

Patrick Space Force Base

Port Canaveral

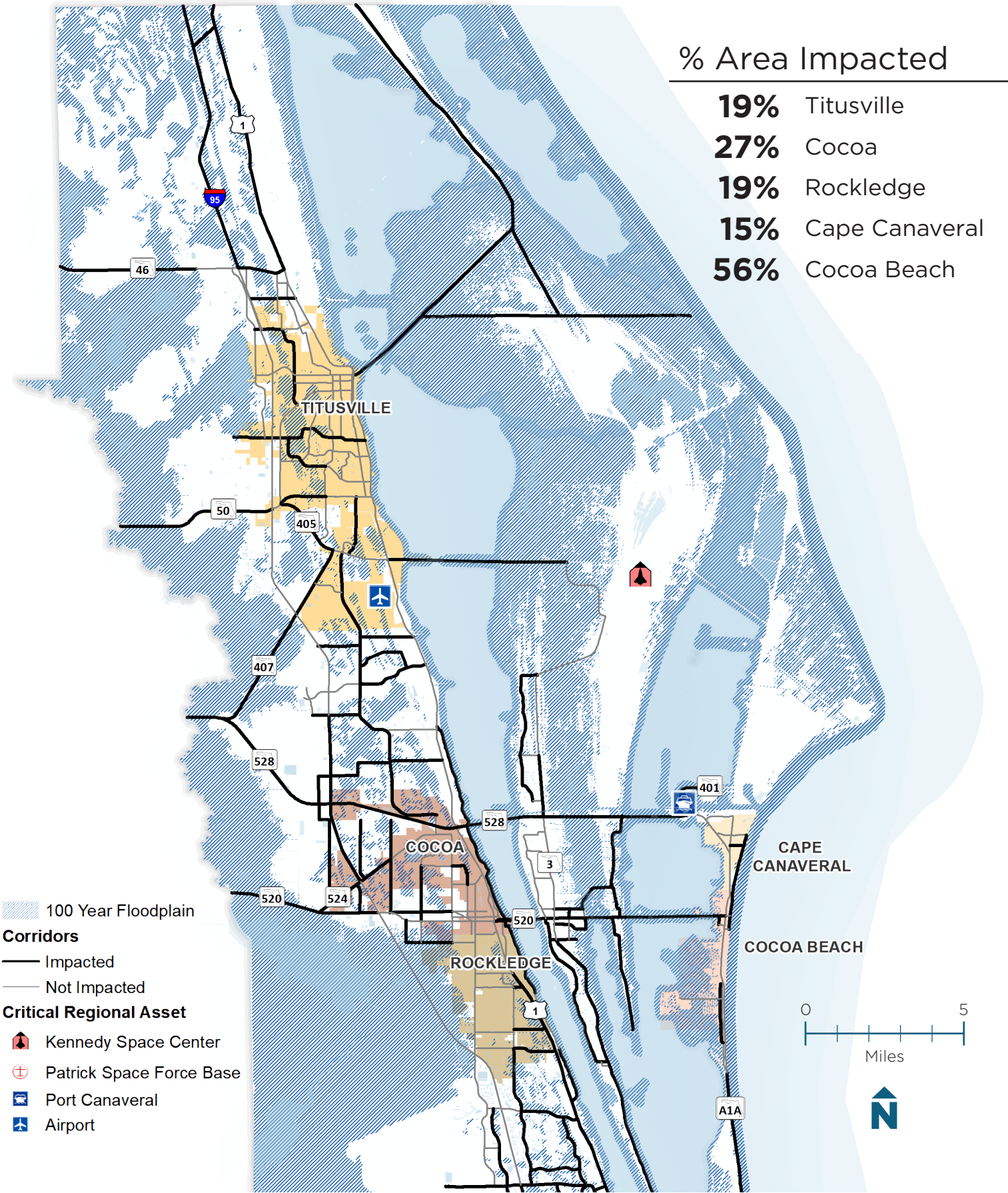
Airport



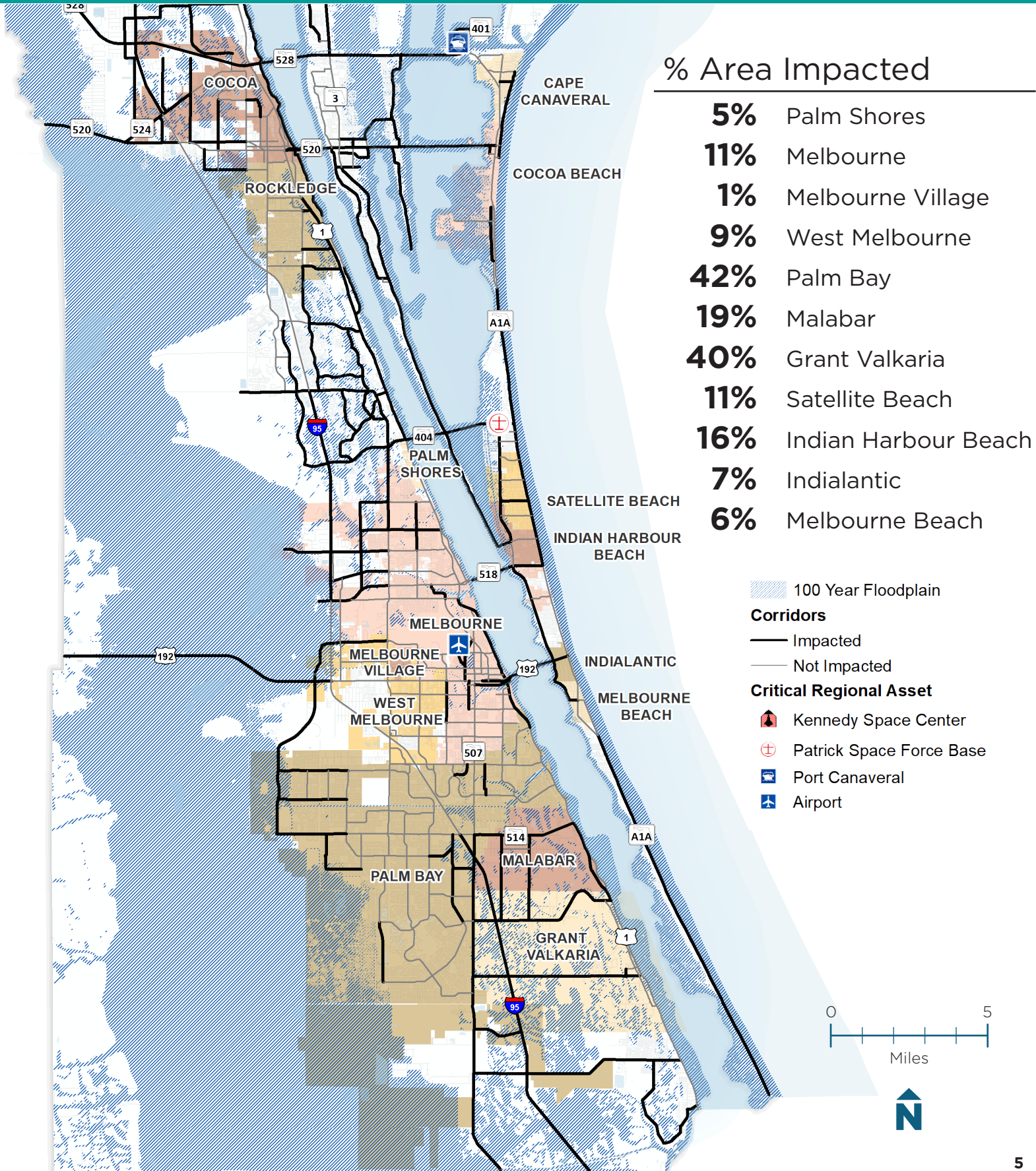
[“Melbourne streets close down due to flooding, city says”, ClickOrlando.com](#)

[“Brevard deluge, floods roads, leaves water in some homes”, FloridaToday.com](#)

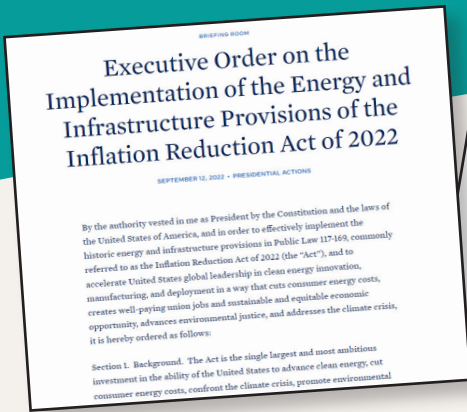
Percentage of Incorporated Area Impacted by 100 Year Flood Impacts



Want to zoom in? Turn layers on and off?
 Try the online map at <https://arcg.is/OTvOq8>



Funding for Transportation Resiliency is Available for Brevard County.



Over \$200 Million in New Grants Beyond Programmed Funding

The Inflation Reduction Act contains \$2.6 billion for nature-based coastal resilience projects, such as wetlands and seagrass restoration. The BIL's investment and focus on resilience continues the policy set in 2015's Fixing America's Surface Transportation (FAST) Act, requiring MPOs to consider resiliency in the transportation planning process.

FHWA National Highway Performance Program (NHPP): Added eligibility for measures that increase resiliency to the impacts of sea level rise, extreme weather events, flooding, wildfires, and other natural disasters

Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT) Formula Program: MPOs in coastal states are eligible for at-risk coastal infrastructure grants for strengthening, stabilizing, hardening, elevating, relocating, or otherwise enhancing the resilience of highway bridges, roads, pedestrian walkways, and bicycle lanes, and associated infrastructure.

Rebuilding American Infrastructure with Sustainability & Equity (RAISE): Opportunity to incorporate resiliency strategies to help urban and rural communities move forward on projects that modernize roads, bridges, transit, rail, ports, and intermodal transportation.

PROGRAMMED RESILIENCY FUNDING OPPORTUNITIES

Funding Sources with Added Focus/Eligibility for Resiliency

Resilient Florida: Planning Grants
Prioritizes the most vulnerable infrastructure to adverse impacts from flooding of rainfall events, storm surge, and sea level rise.



Florida Resilient Coastlines Program (FRCP) Grant funding for both Planning and Implementation projects that further coastal resilience.



Community Planning Technical Assistance Grants
Used to assist with disaster recovery, resiliency, and economic development planning for rural and suburban areas.





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