

The Florida Senate
COMMITTEE MEETING EXPANDED AGENDA

SELECT COMMITTEE ON RESILIENCY

Senator Albritton, Chair

Senator Pizzo, Vice Chair

MEETING DATE: Wednesday, March 8, 2023

TIME: 1:30—3:30 p.m.

PLACE: *Toni Jennings Committee Room*, 110 Senate Building

MEMBERS: Senator Albritton, Chair; Senator Pizzo, Vice Chair; Senators Avila, Berman, Bradley, Calatayud, Collins, Davis, Grall, Gruters, Harrell, Ingoglia, Martin, Polsky, Powell, Stewart, Thompson, Trumbull, and Wright

TAB	BILL NO. and INTRODUCER	BILL DESCRIPTION and SENATE COMMITTEE ACTIONS	COMMITTEE ACTION
1	Presentation by Dr. Colin Polsky, Director, Center for Environmental Studies, Florida Atlantic University		Presented
2	Presentation on Aggregate Materials		Presented
3	Presentation by Division of Emergency Management on the Safeguarding Tomorrow Through Ongoing Risk Mitigation Act		Presented
4	Presentation by Mayor Nancy Miller, Daytona Beach Shores		Presented
Other Related Meeting Documents			

Climate Resilience: How to Dominate a New Industry While Saving Our World

Florida State Senate
Select Committee on Resiliency
3/8/23

Colin Polsky, PhD
Director, Center for Environmental Studies
Professor of Geosciences



Climate Resilience:

Definition:

“The ability to prosper long-term in the face of climate adversity.”

4 Dimensions:

- Exposure
- Sensitivity
- Adaptive Capacity

normative action

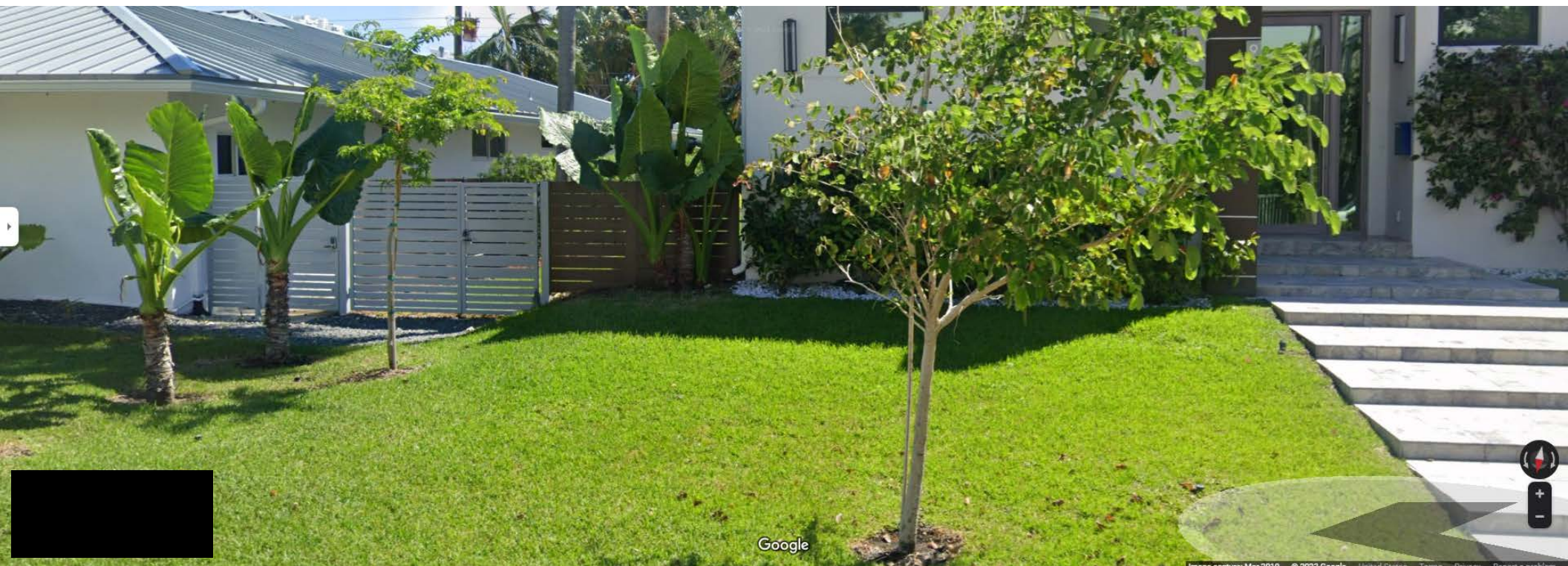
reduce
reduce
enhance

Reducing Exposure, illustrated



(Mission accomplished.
But water still flows downhill.)





Reducing Sensitivity, illustrated



Fort Meyers Beach, after Hurricane Ian (October 2022)



Mexico Beach, after Hurricane Michael (October 2018)

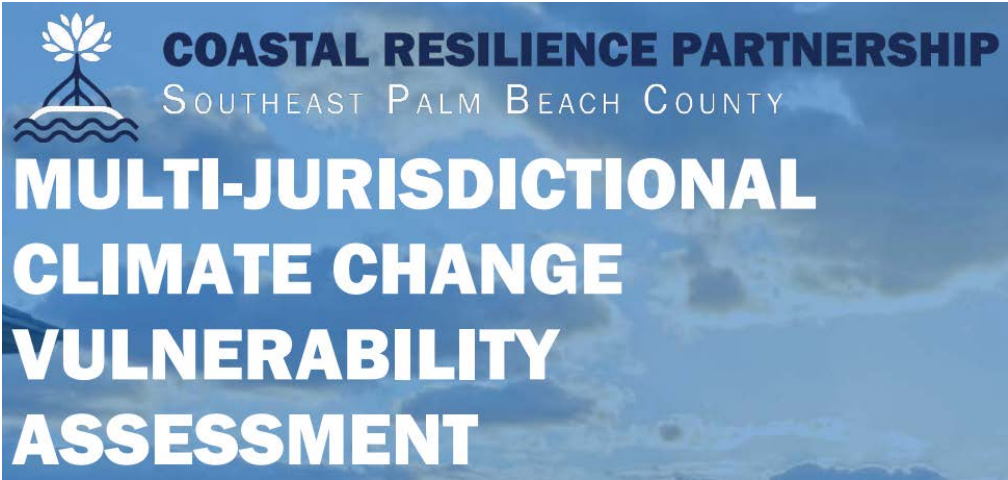
Enhancing Adaptive Capacity, illustrated















so many jobs

<https://floridapolitics.com/archives/588917-spending-hits-1b-for-resilient-florida-since-2021-inception/>

Enhancing
Adaptive Capacity,
illustrated

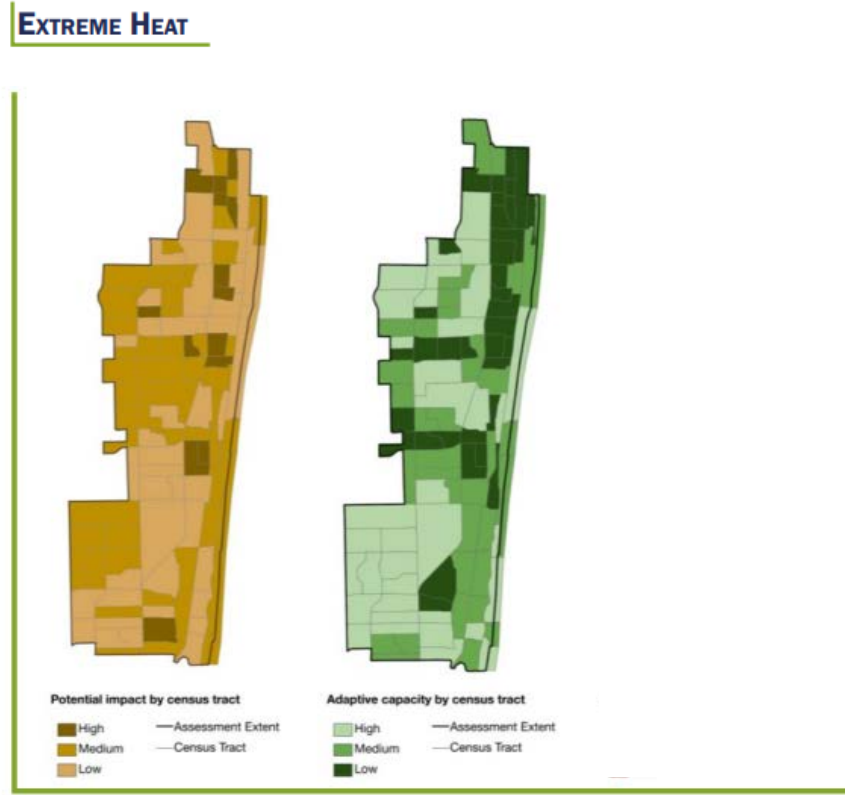


Climate Change Vulnerability Assessment
Top Threat Identification

 High Winds	 Rainfall-Induced Flooding	 Harmful Algal Blooms	 Pest & Disease Outbreaks
 Extreme Heat	 Drought	 Wildfire	 Shoreline Recession
 Tidal Flooding	 Storm Surge	 Groundwater Inundation	 Saltwater Intrusion

https://discover.pbcgov.org/resilience/PDF/20210903_ADA_CCVA_FinalReport.pdf

Enhancing Adaptive Capacity, illustrated



https://discover.pbcgov.org/resilience/PDF/20210903_ADA_CCVA_FinalReport.pdf

Another Kind of Reducing **Exposure**, illustrated



<https://www.nytimes.com/2021/12/06/travel/svalbard-climate-change-tourism.html>

EPA draft: US greenhouse gas emissions saw record single-year spike in 2021

BY ZACK BUDRYK THEHILL.COM

UPDATED FEBRUARY 15, 2023 12:52 PM



<https://www.miamiherald.com/news/politics-government/article272516355.html>

Climate Resilience:

Definition:

“The ability to prosper long-term in the face of climate adversity.”

4 Dimensions:

- Exposure
- Sensitivity
- Adaptive Capacity
- Sense of place

normative action

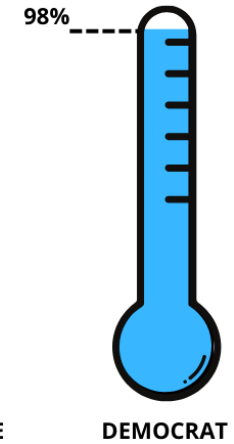
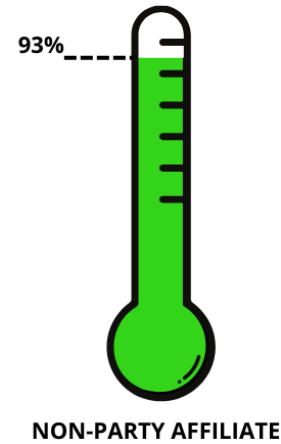
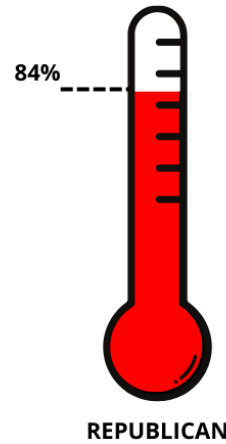
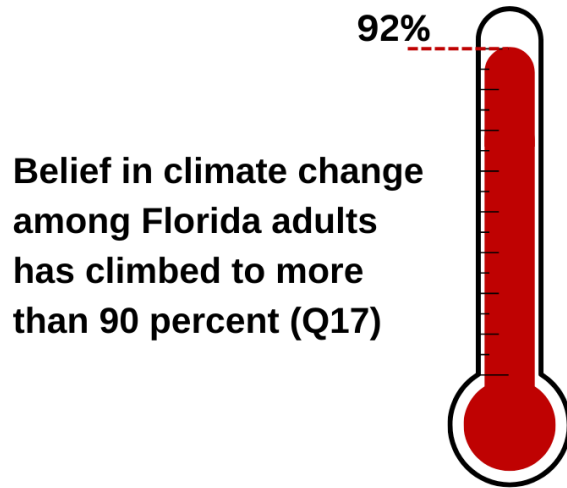
reduce
reduce
enhance
leverage

Climate resilience public opinion

- You have tailwinds



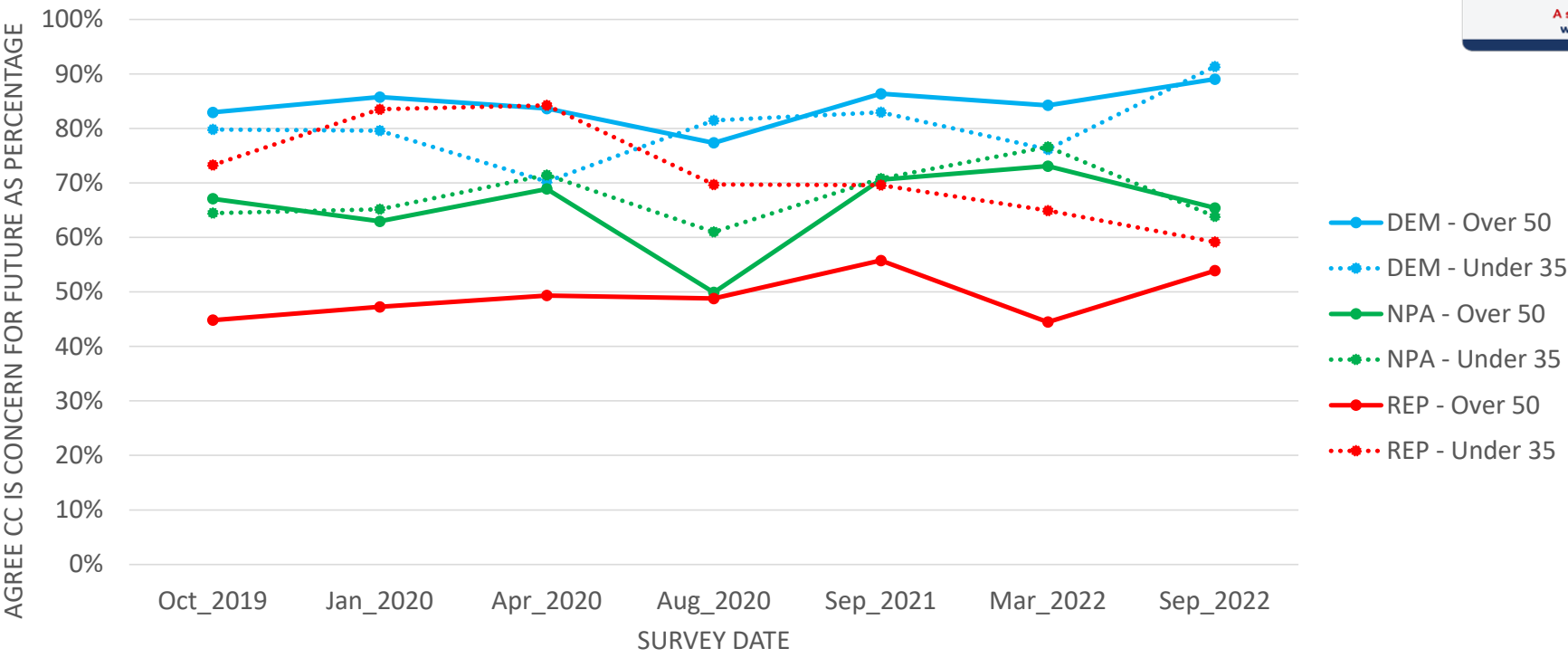
Climate resilience public opinion



For more info visit <http://www.ces.fau.edu/ces-bepi/>



Q18. Agreement that CC is a Concern for Future Generations by Age and Political Party: October 2019 - September 2022



**42% of Floridians agree
they would pay an
additional \$10 per
month tax to strengthen
the state's
infrastructure (Q22)**



For more info visit <http://www.ces.fau.edu/ces-bepi/>



Support for Schools to Teach About Climate Change (Q24): September 2022



Republicans Over 50
51%



Non-Party Affiliates Under 35
67%



Democrats Over 50
86%



Republicans Under 35
67%



Non-Party Affiliates Under 35
76%



Democrats Under 35
85%

Achieving climate resilience:

The ability to prosper long-term in the face of climate adversity

- Balanced portfolio → ↑ ROI
- Statewide cross-party support
- We're #1, but VA results are ephemeral
- Continuing your investments will help us save our world – and dominate a new industry



end

cpolsky@fau.edu



Aggregates Supply Chain

Ananth Prasad, P.E.

President

Florida Transportation Builders Association



What are Aggregates?



Rock mined and processed for construction of roads, bridges, buildings.



Examples of Aggregates

#89 Limestone - Coarse Aggregate from Miami



#57 Limestone - Coarse Aggregate from Miami



#57 Granite - Coarse Aggregate from Nova Scotia



- Bulky and heavy rock materials
- Crushed stone used in construction with concrete and asphalt
- Hardness and durability demonstrated by FDOT testing
- Limestone mined in Florida
- Granite imported primarily from Georgia, Alabama, and Canada



Aggregates Used in Asphalt and Concrete

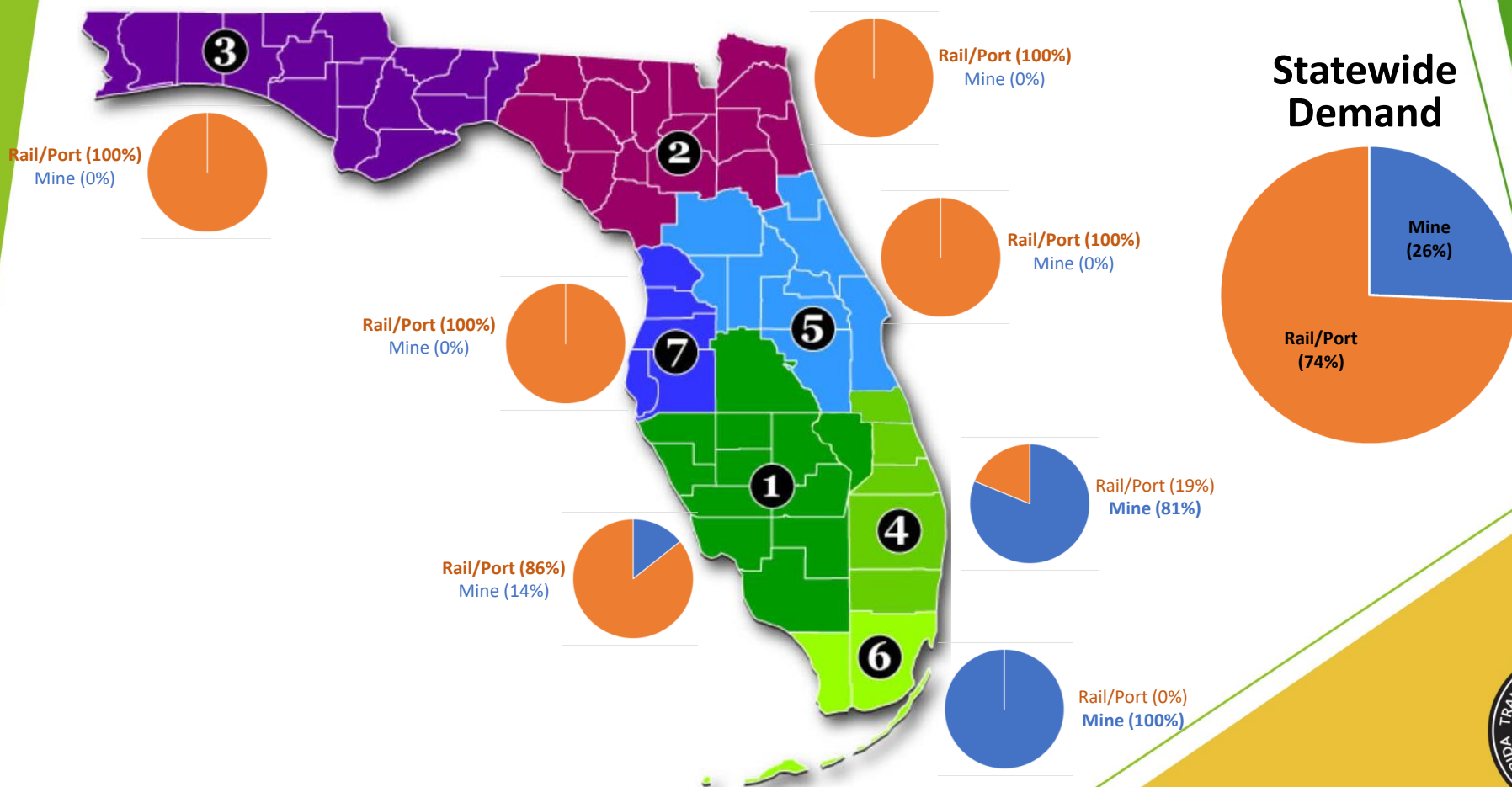
Asphalt



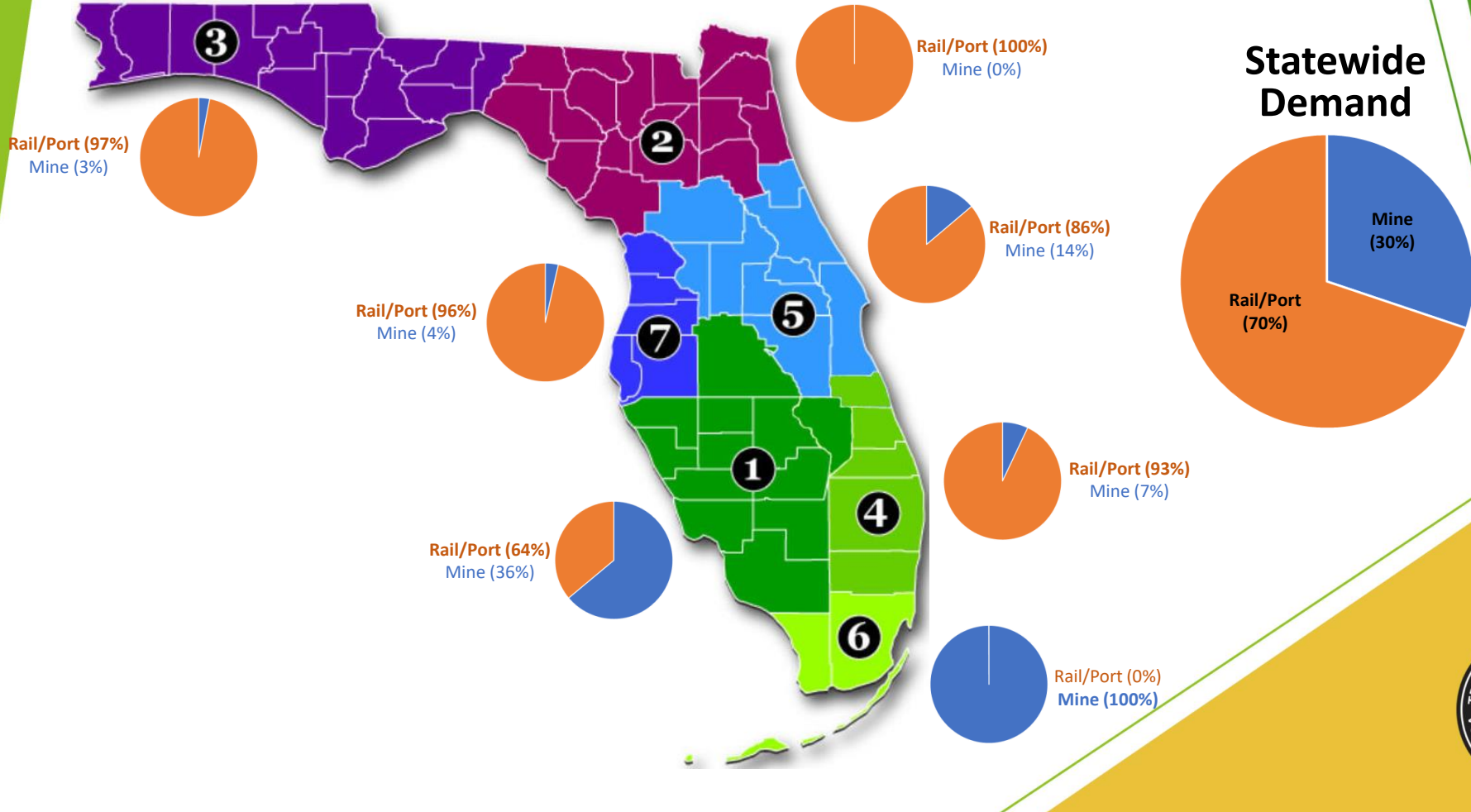
Concrete



FDOT Demand for Asphalt Aggregate (est. 2023)

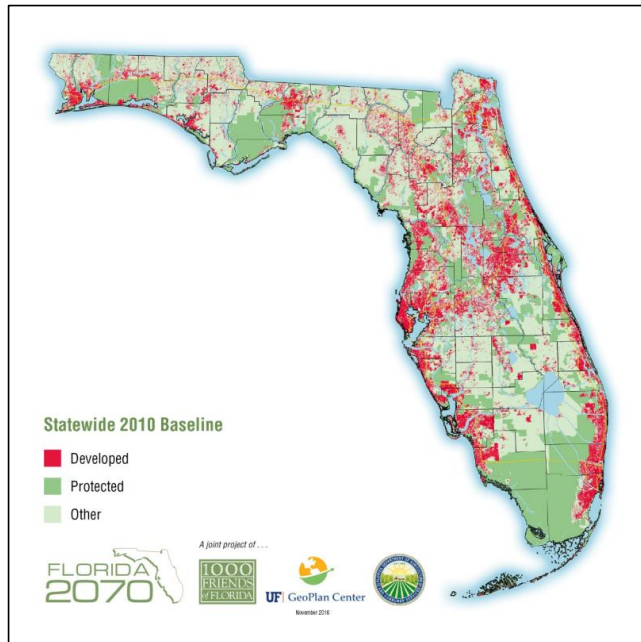


FDOT Demand for Concrete Aggregate (est. 2023)

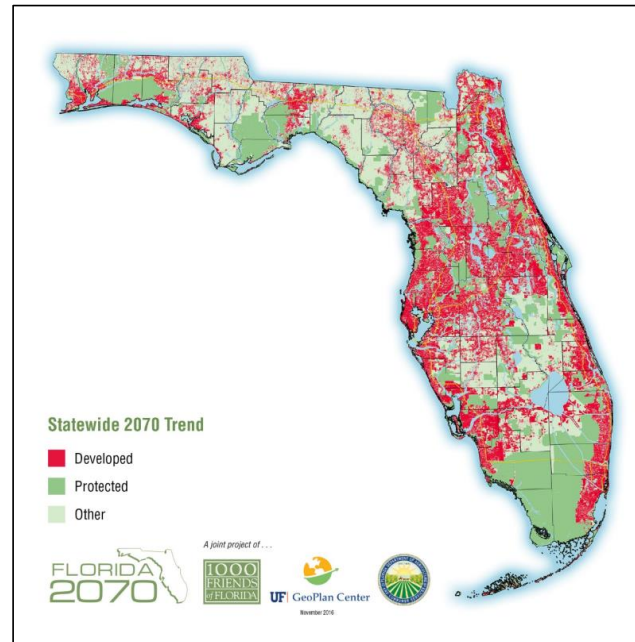


Aggregate Demand Expected to Increase with Population Growth

Statewide 2010 Trend



Statewide 2070 Trend



“Moderate projections indicate that by 2070, Florida’s population will reach approximately 33.7 million residents, close to 15 million more than in 2010.” – UF GeoPlan Center (www.geoplan.ufl.edu/portfolio/fl-2070/)



Supply Chain Dilemma in Florida

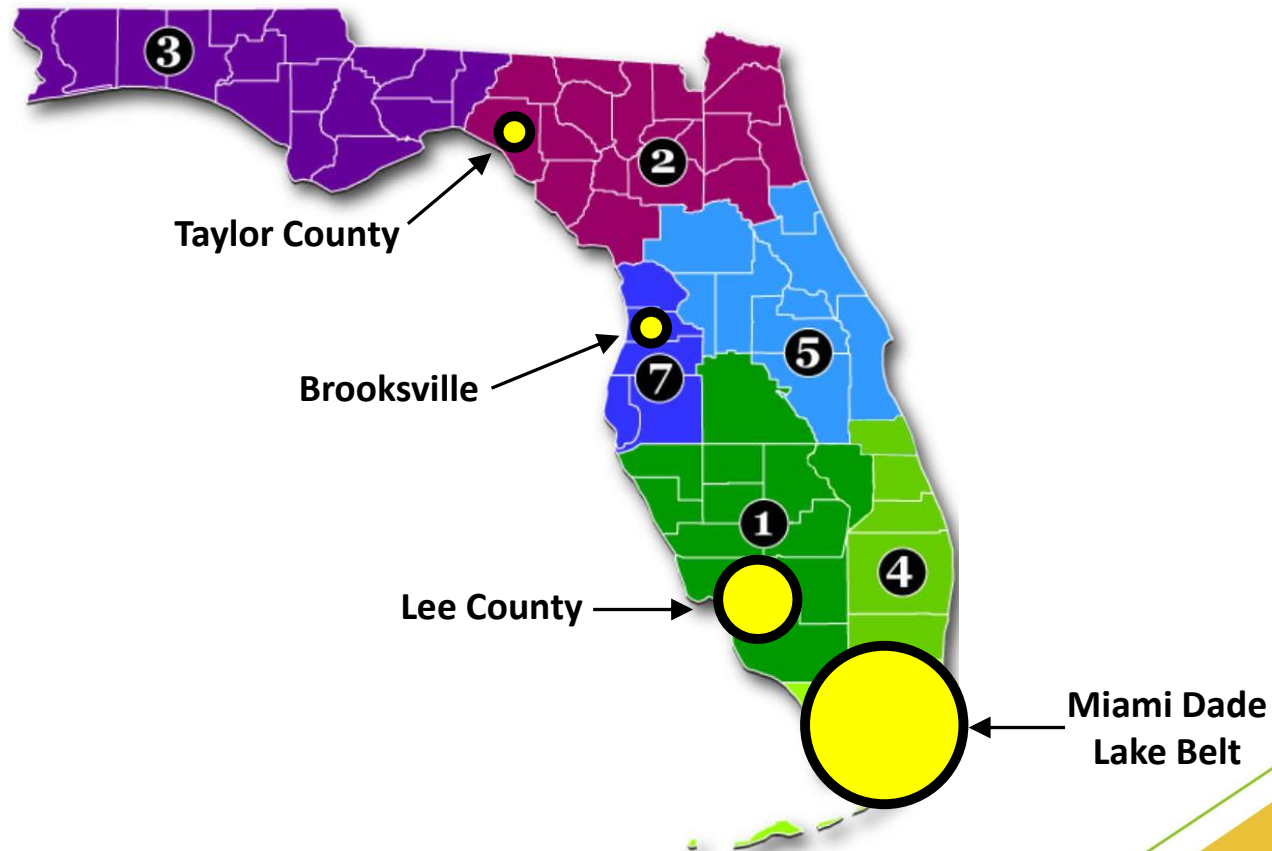
- Projected population increases make reliance on in-state, high-quality aggregate reserves questionable
- Imports by rail and at ports expected to increasingly be required to meet demand
 - Port capacity needs to be increased to expand access to FDOT-quality aggregates
 - Rail infrastructure needs to be improved to handle imports and efficient intra-state distribution of aggregates



Primary Sources of FDOT-Quality Aggregates in Florida

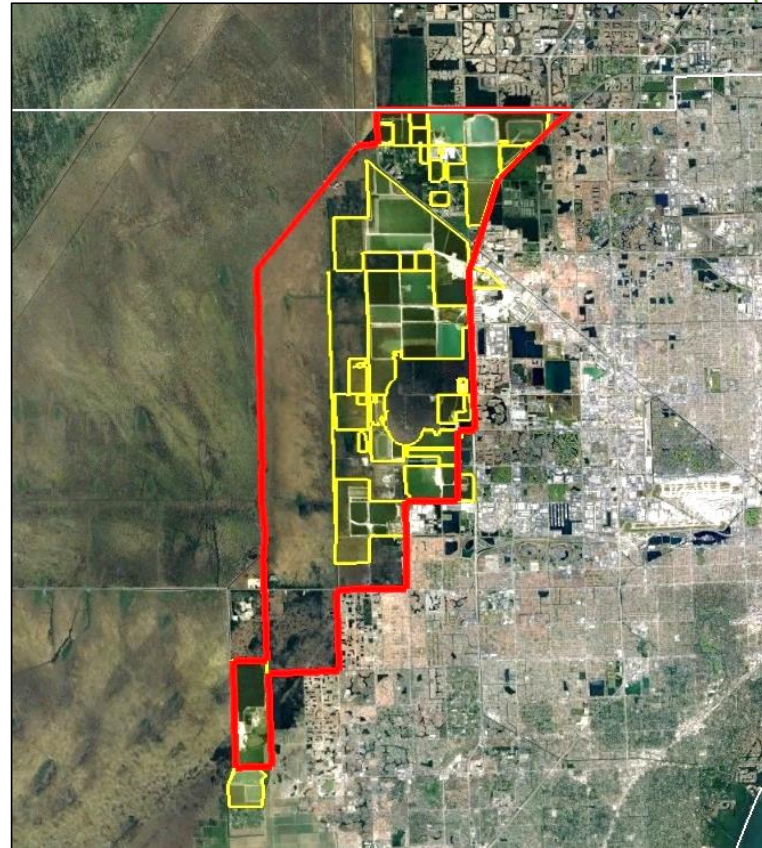


Relative Proportions of FDOT-Quality Aggregates



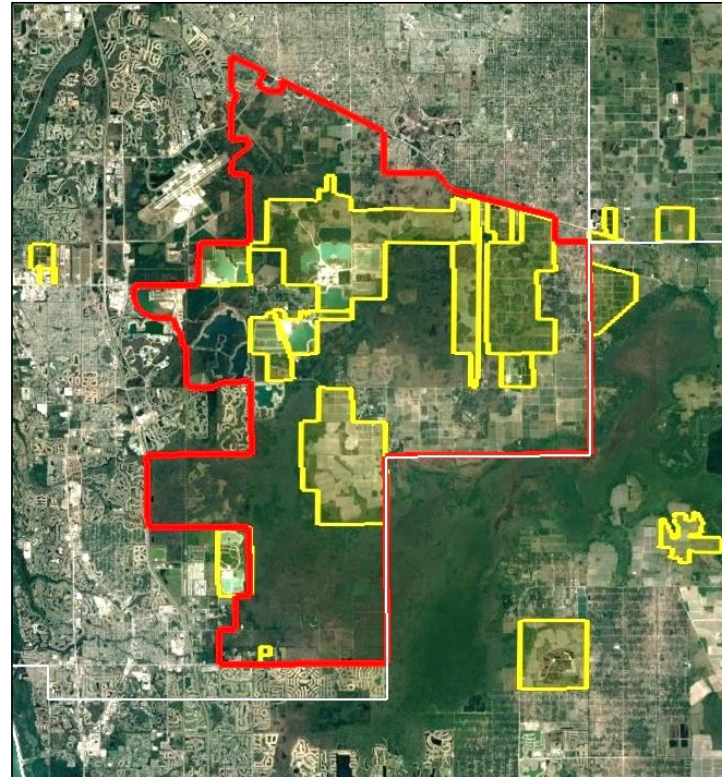
Miami-Dade Lake Belt

- Produces 45-50 million tons of aggregate per year.
- Large mines efficiently supply Florida markets via trucks and rail
- Decades of potential reserves feed into east coast demand
- Issues:
 - Urban growth crowds the mines
 - Everglades restoration
 - Water quality and supply



Lee County Mining Area

- Rock supply compromised by urban expansion while mine production declines
- Present day needs augmented with expensive aggregate trucked from Lake Belt and Tampa ports and rail terminals
- Majority of aggregate needed in Southwest Florida expected to be imported within 10 years



Going Forward --- Think Efficiency

- Move FDOT-quality coarse aggregates from sources in Georgia, Alabama, Canada, and Central America
- Consider investments in rail and port infrastructure to efficiently distribute rock
- Improve ports off-loading areas to facilitate movement of bulky rock piles onto trucks and off-port rail
- Accelerate rail upgrades and repairs to accommodate aggregate trains
- Create “Aggregate Rail Hubs” to minimize truck delivery distances



Thank you!

Credits: Florida Department of Transportation

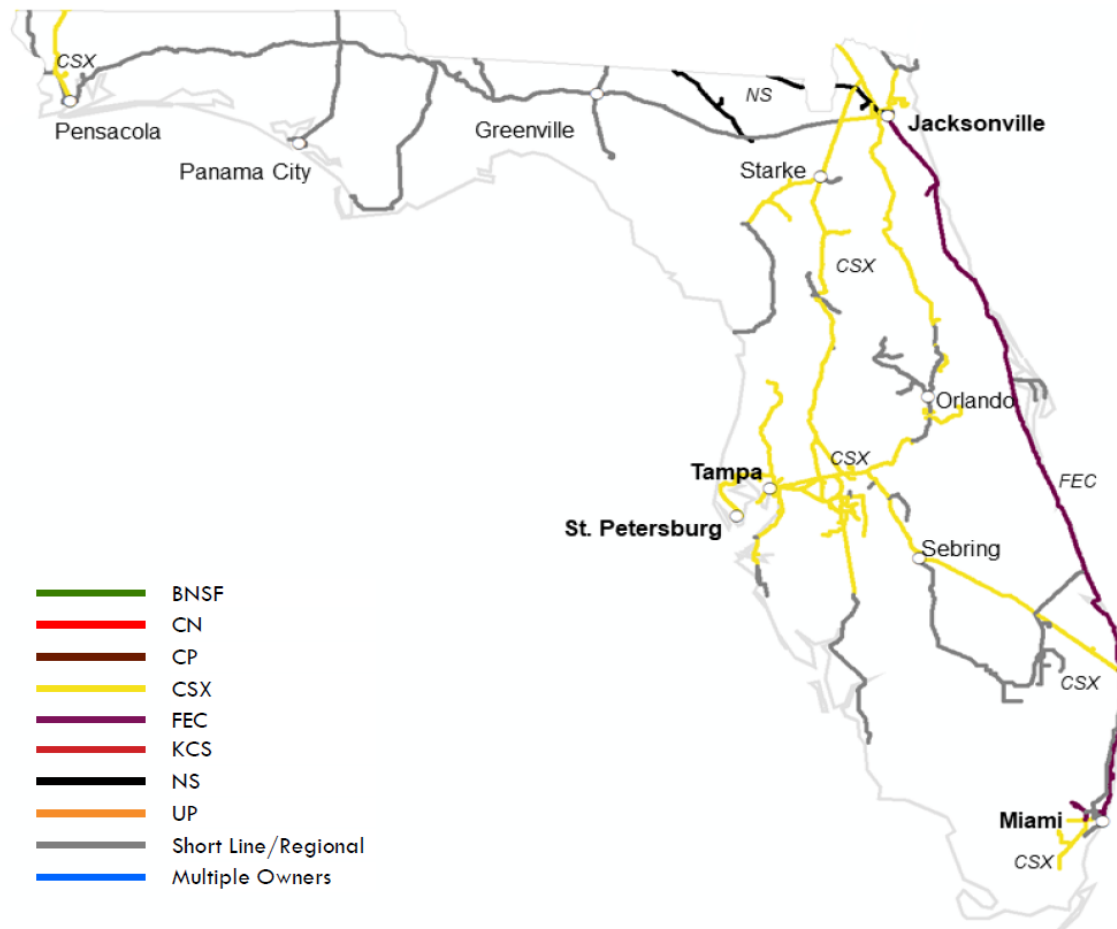




FLORIDA RAIL ASSOCIATION AGREGATE SERVICES

March 2023

Florida Railroads



Florida Railroads Mileage

	Miles Operated In Florida in 2021
Class I Railroads	
CSX Transportation	1,208
Norfolk Southern Corp.	148
	<hr/> 1,356
Regional Railroads	
Alabama & Gulf Coast Railway	51
Florida East Coast Railway	386
	<hr/> 437
Short Line Railroads	
AN Railway	36
Bay Line Railroad	138
First Coast Railroad	32
Florida Central Railroad	68
Florida Gulf & Atlantic Railroad	371
Florida Midland Railroad	28
Florida Northern Railroad	104
Georgia & Florida Railway	42

Florida 2021 Totals	Number of Freight Railroads	Miles Operated	
		Excluding Trackage Rights	Including Trackage Rights
Class I	2	1,159	1,356
Regional	2	437	437
Short Line	12	1,120	1,120
Total	16	2,716	2,913

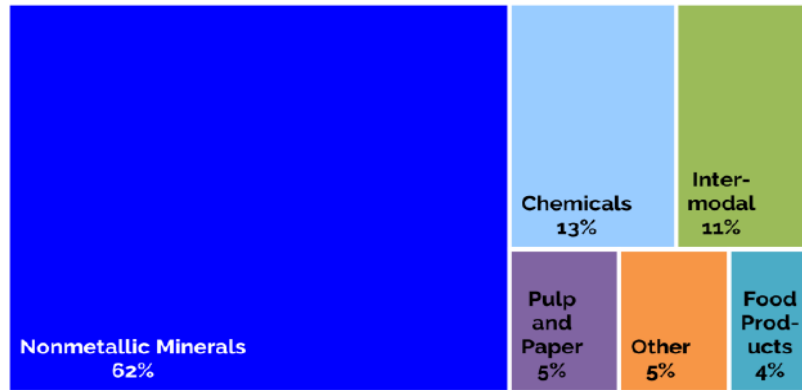
	Miles Operated In Florida in 2021
Short Line Railroads, cont.	
Jacksonville Port Terminal Railroad	10
Port Manatee Railroad	2
Seminole Gulf Railway	118
South Central Florida Express	171
	<hr/> 1,120

Florida Railroad Traffic

Rail Traffic Originated in 2021

Total Tons: 39.5 million

Total Carloads: 639,400



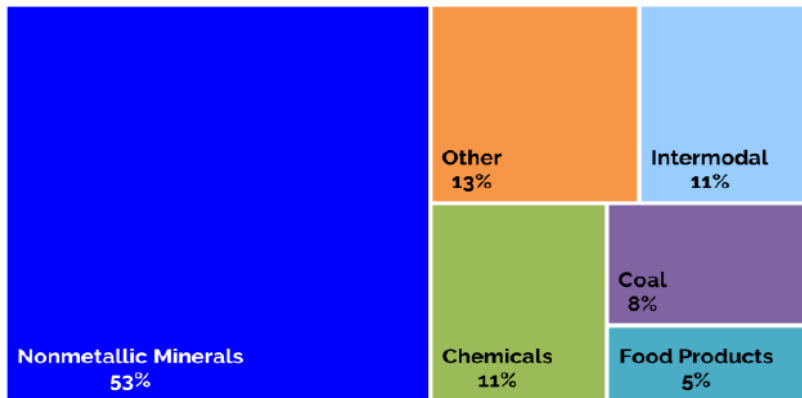
Commodity	Tons (mil)	Carloads
Nonmetallic Minerals	24.4	194,900
Chemicals	5.3	55,500
Intermodal	4.5	326,500
Pulp and Paper	1.8	23,900
Food Products	1.5	15,200
Other	2.0	23,400

Source: AAR analysis of industry data
(% based on tonnage)

Rail Traffic Terminated in 2021

Total Tons: 57.2 million

Total Carloads: 990,400



Commodity	Tons (mil)	Carloads
Nonmetallic Minerals	30.2	258,600
Intermodal	6.4	466,700
Chemicals	6.1	63,500
Coal	4.5	38,900
Food Products	2.6	27,100
Other	7.4	135,700

Source: AAR analysis of industry data
(% based on tonnage)

Florida Railroad Aggregate

Business Unit	Total Market	Sub Segment
Minerals & Cements	343,981	Minerals
	20,781	Cement
Total	364,762	



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FLORIDA'S PORTS: U.S. GATEWAY TO THE WORLD

FLORIDA SEAPORTS AT-A-GLANCE

1. PORT CANAVERAL
2. PORT CITRUS
3. PORT EVERGLADES
4. PORT OF FERNANDINA
5. PORT OF FORT PIERCE
6. JAXPORT
7. PORT OF KEY WEST
8. SEAPORT MANATEE
9. PORTMIAMI
10. PORT OF PALM BEACH
11. PORT PANAMA CITY
12. PORT OF PENSACOLA
13. PORT PUTNAM
14. PORT ST. JOE
15. PORT ST. PETE
16. PORT TAMPA BAY



Current Aggregate Ports

- Port Canaveral
- Port Everglades
- Jaxport
- Seaport Manatee
- Port of Palm Beach
- Port Panama City
- Port of Pensacola
- Port St. Joe
- Port Tampa Bay

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AGGREGATE SHIPMENT ISSUES



- Waterborne aggregates come into Florida seaports via bulk cargo vessels or barges from Mexico, Caribbean, Latin America and other states/countries. They are offloaded via “conveyor hoppers” to open areas of available land or silos.

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AGGREGATE SHIPMENT ISSUES



- Supply chain issues increased the cost of vessel transport of aggregates.
- Contracts for priority/higher fee berthing space at ports increased the cost and availability of berth space.
- Shoaling at channels and berths can limit vessel use at ports. Bulk carriers can have drafts at 40 feet plus.

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AGGREGATE SHIPMENT ISSUES



- Available vacant land space and current contracts with aggregate companies like Cemex and Martin Marietta can limit space at ports.
- Aggregate tenants must have bulk rail and truck availability for transport to final processing locations.

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AGGREGATE SHIPMENT STRATEGIES



- Identification of potential available land at port locations or near port locations.
- Identification of aggregate companies that have under utilized space or operations and what can be done to improve those operations.
- Identification of aggregate companies not on Florida port locations that might want to locate in Florida.

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FLORIDA'S PORTS: U.S. GATEWAY TO THE WORLD



Florida Division of Emergency Management

Overview of the STORM Act and Revolving Loan Fund

March 8, 2023



Safeguarding Tomorrow through Ongoing Risk Mitigation Act

The “Safeguarding Tomorrow through Ongoing Risk Mitigation Act” or the “STORM Act”, became law on January 1, 2021.

This law amended the Robert T. Stafford Disaster Relief and Emergency Assistance Act to authorize grants to state governments to establish revolving loans funds for hazard mitigation projects, zoning and land use planning changes, and building code enforcement.

The revolving loan funds authorized under the STORM Act are primarily intended to provide low interest long-term loans for natural hazard mitigation projects, including to satisfy local match requirements for federal hazard mitigation grants.



STORM REVOLVING LOAN FUND PROGRAM – OVERVIEW

FEMA released the Safeguarding Tomorrow Revolving Loan Fund (RLF) Program Notice of Funding Opportunity on December 20, 2022

Application Period February 1 – April 28, 2023

- **\$50 million will be available to eligible entities to establish revolving loan funds to provide direct loans to local governments for projects and activities that mitigate the impacts of natural disasters.**
- **Intended to reach local governments most in need of financing assistance, including low-income geographic areas and underserved communities.**



STORM REVOLVING LOAN FUND

Allowable Use of Funds:

- **Mitigation activities**
 - **Costs associated with projects or activities that mitigate the impacts of natural hazards**
 - **Local government implementation of zoning and land use planning changes focused on:**
 - **Incentivizing and encouraging low-impact development**
 - **Study and creation of agricultural risk compensation districts, land use incentives that reward developers for greater reliance on low impact development, or an erosion response plan**
- **Non-federal cost share for FEMA Hazard Mitigation Assistance grants**
- **Local government technical assistance**
- **Entity administrative costs**



STORM REVOLVING LOAN FUND

Loan Terms:

- **Loans will be made at an interest rate of not more than 1 percent**
- **Loan repayment will commence not later than 1 year after project completion**
- **Loan repayment will be complete no later than 20 years after the date the project is completed, or 30 years after the date the project is completed for projects in low-income geographic areas.**
- **Loan recipient must establish a dedicated source of revenue for repayment.**



STORM REVOLVING LOAN FUND – NEXT STEPS

Next Steps:

- **Would need to establish a revolving loan program through legislation, match funds, and budget authority.**
- **Apply to FEMA**
 - **The Division is soliciting project proposals via the required six-week Public Comment period and developing an Intended Use Plan.**
 - **The project proposal list and Intended Use Plan will accompany the state's application to FEMA.**

Thank You



For Additional Questions:

Kendall Kelley

Phone: 850-591-4813

Email: Kendall.Kelley@em.myflorida.com

Hurricanes Ian & Nicole

SEPTEMBER 28 & 29, 2022
NOVEMBER 9 & 10, 2022





City of Daytona Beach Shores Pre-Hurricanes

















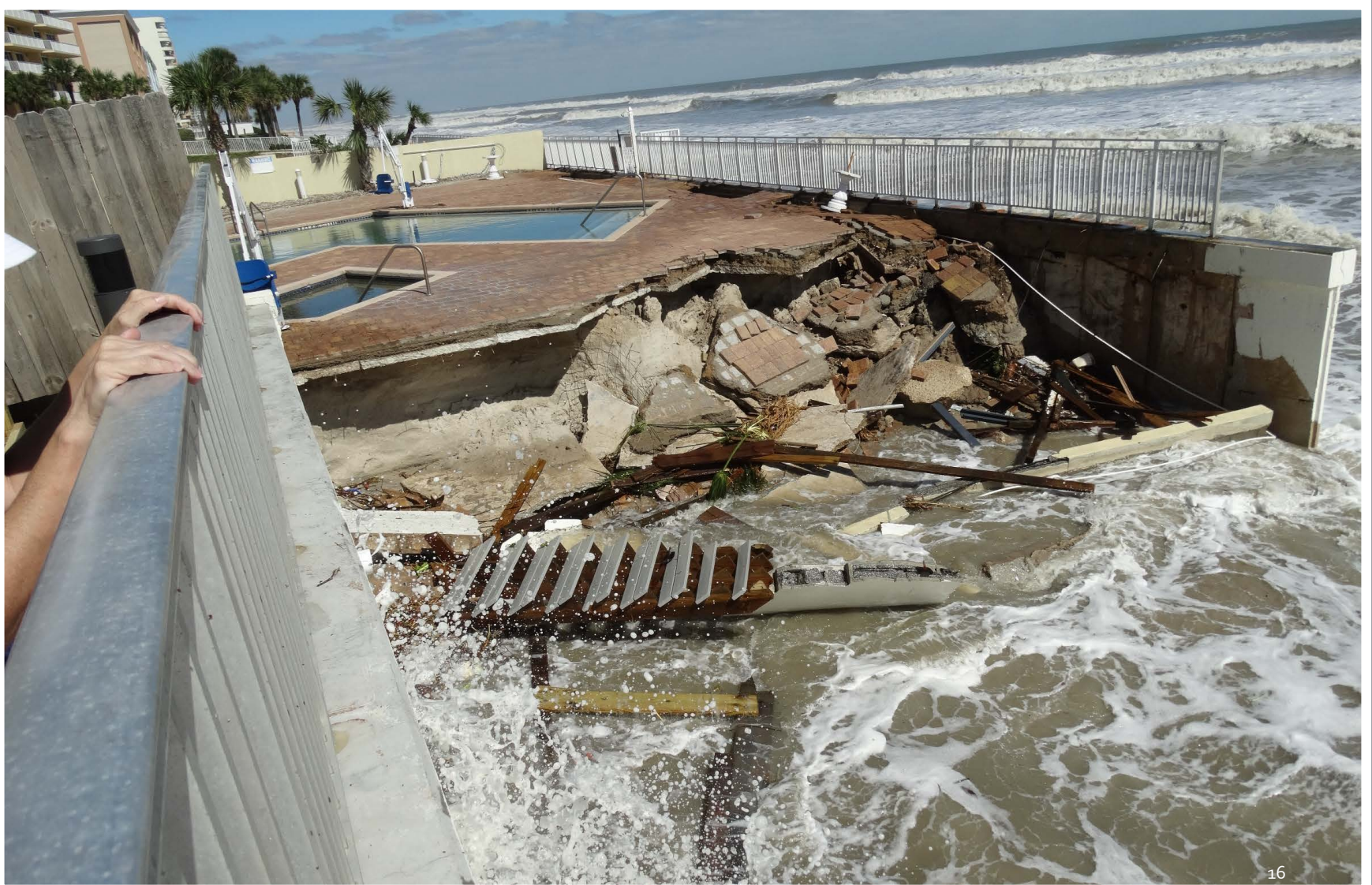




City of Daytona Beach Shores Post-Hurricanes

Of the **165** beachfront properties
in Daytona Beach Shores,
129 were severely impacted...









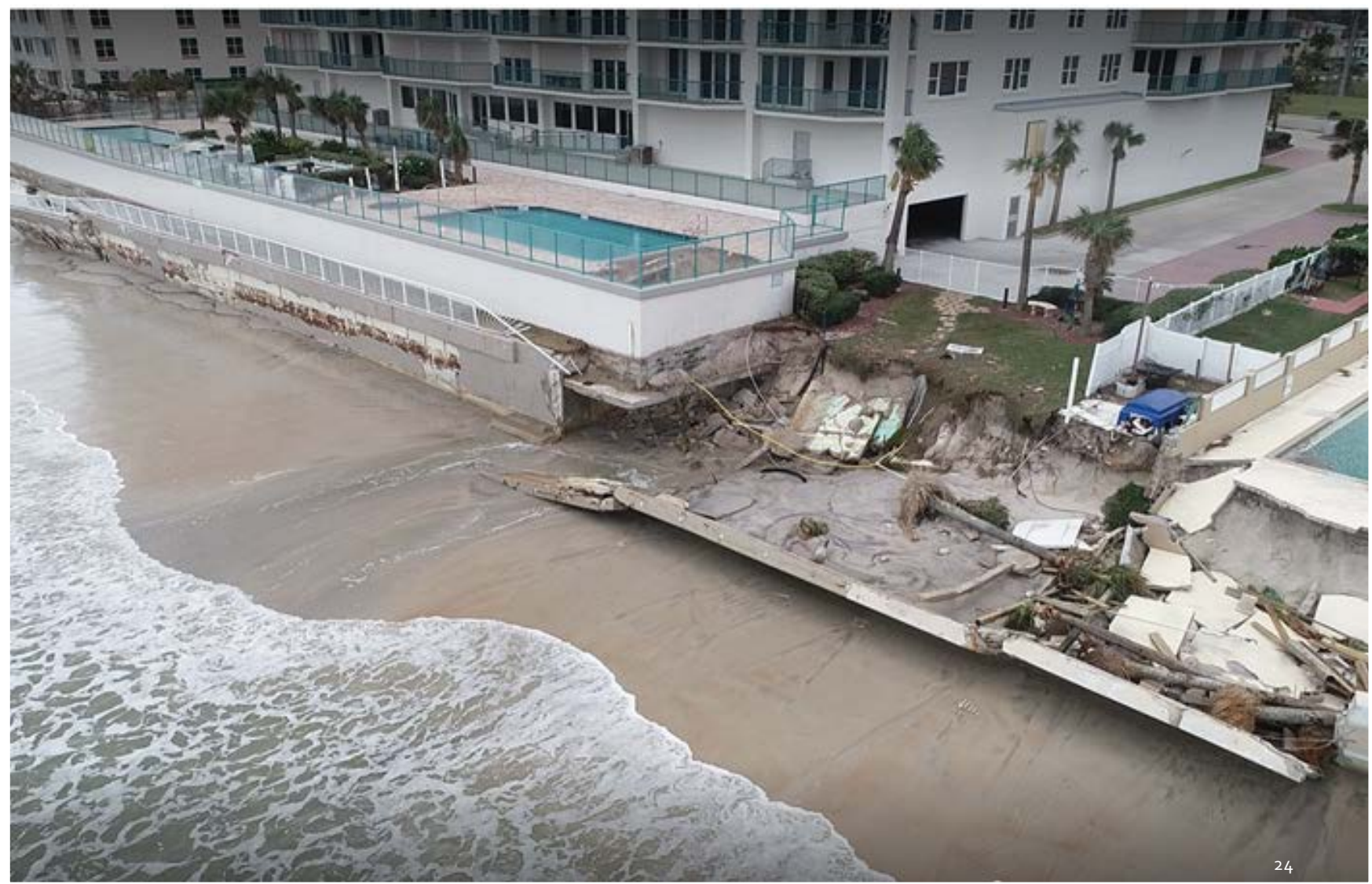






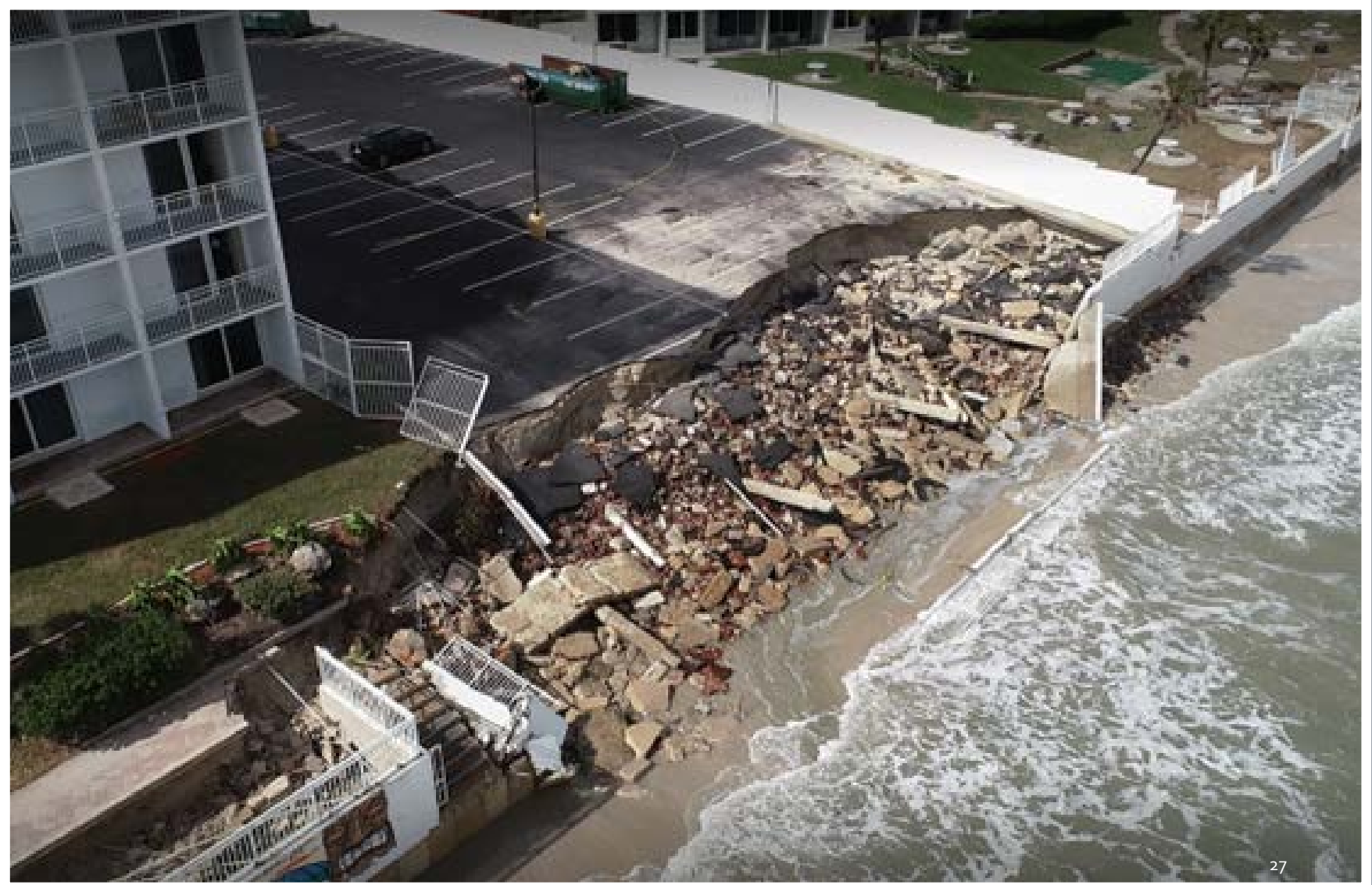
















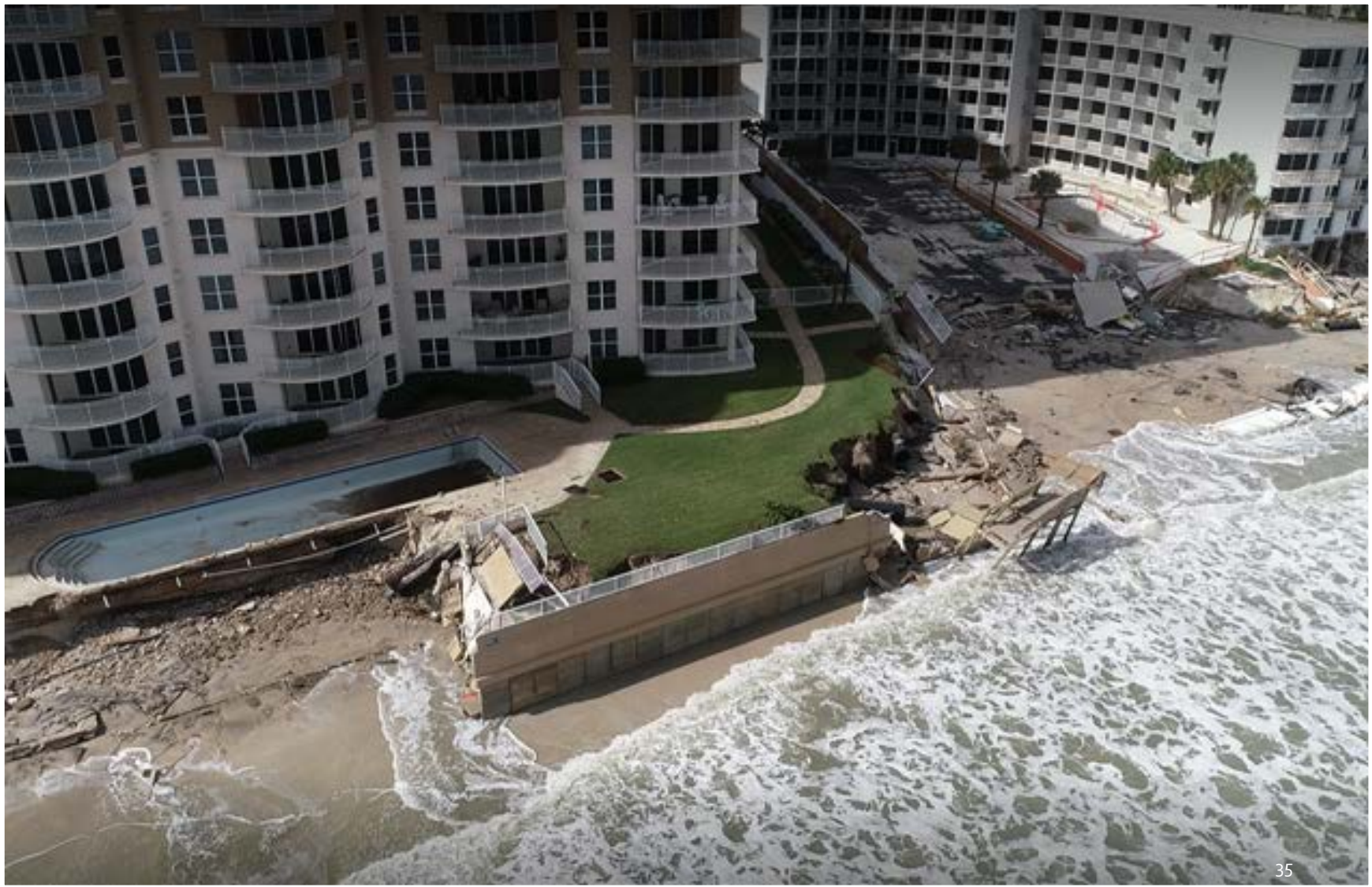






















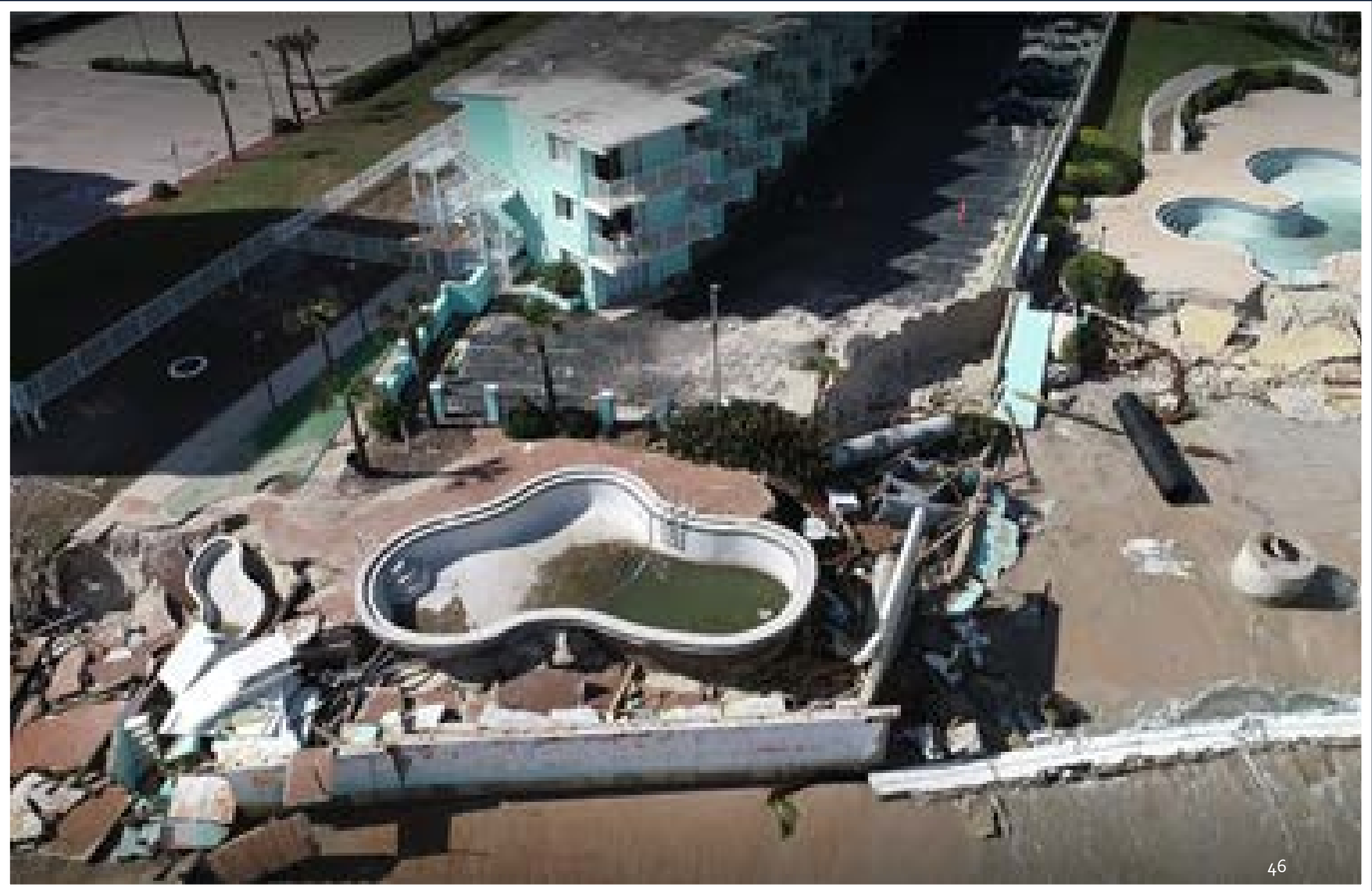




















Hurricane Nicole pulled 70+ feet
of sand from beachfront
properties without seawalls.

Many lost 40 – 50 feet.



Yellow line shows current
point of erosion ←

Current state of property
from beach →





Yellow line shows current
point of erosion



Current state of property
from beach



Yellow line shows current
point of erosion



Current state of property
from beach



Yellow line shows current
point of erosion

Current state of property
from beach

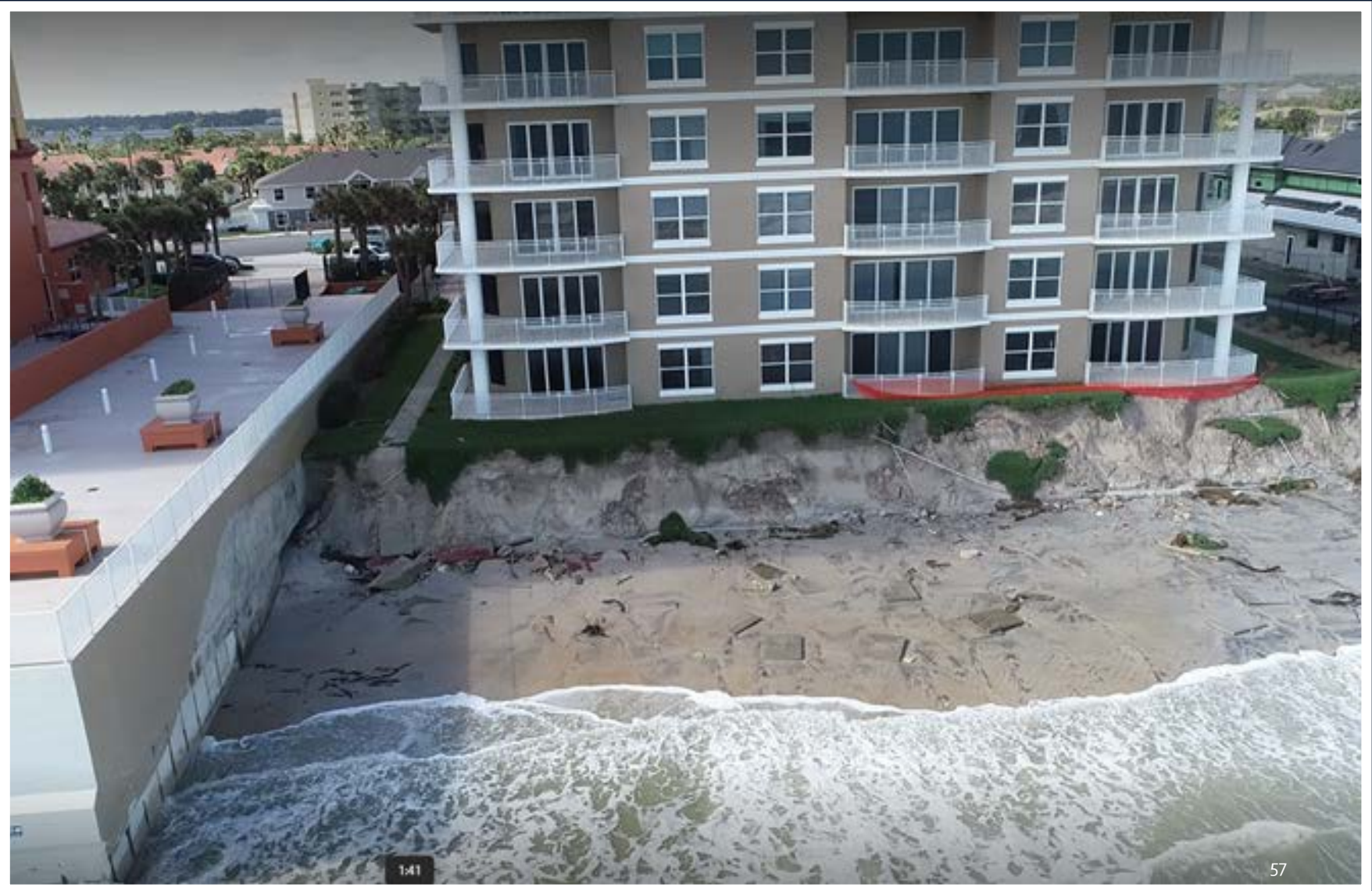




Yellow line shows current
point of erosion

Current state of property
from beach

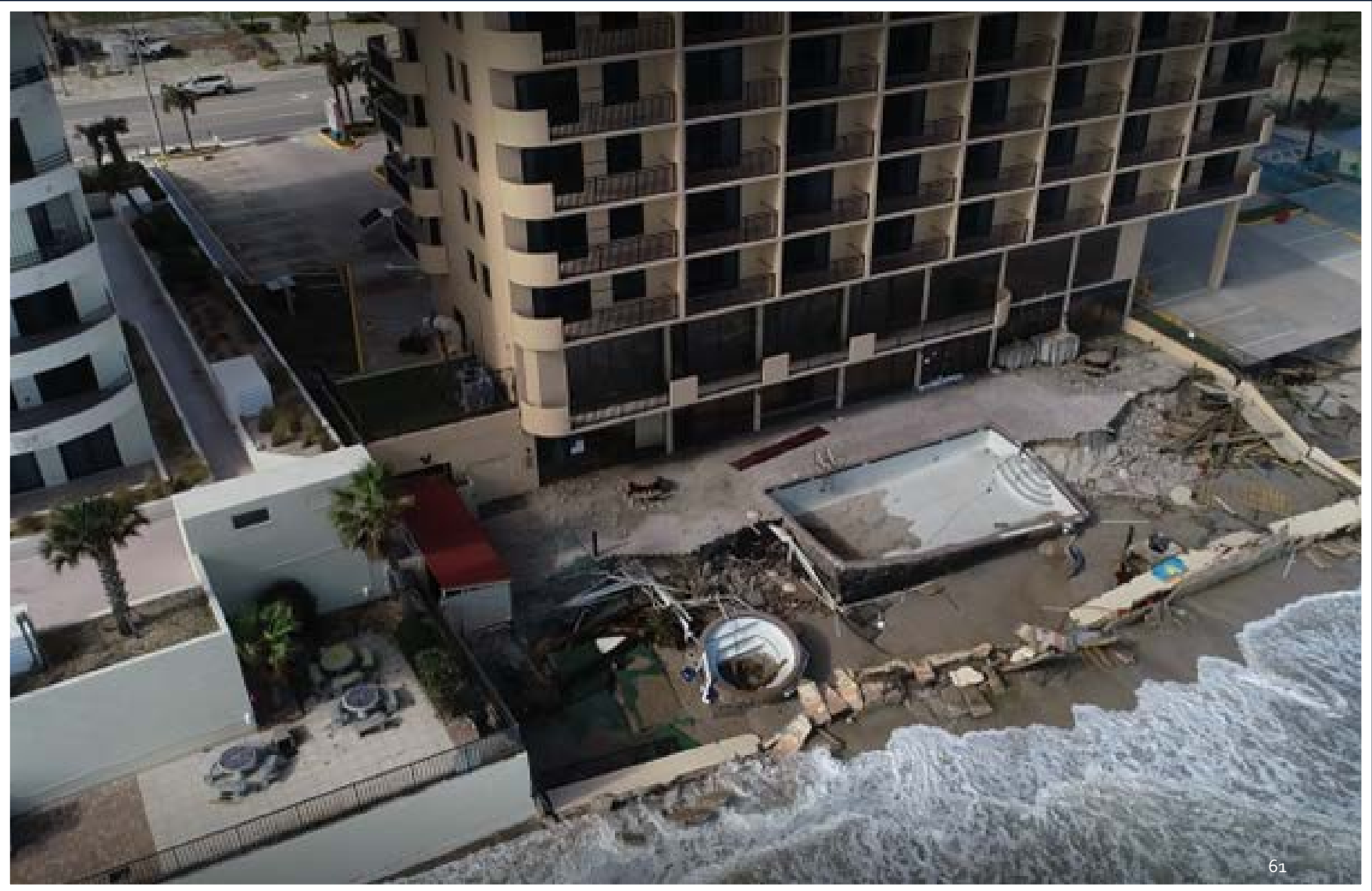










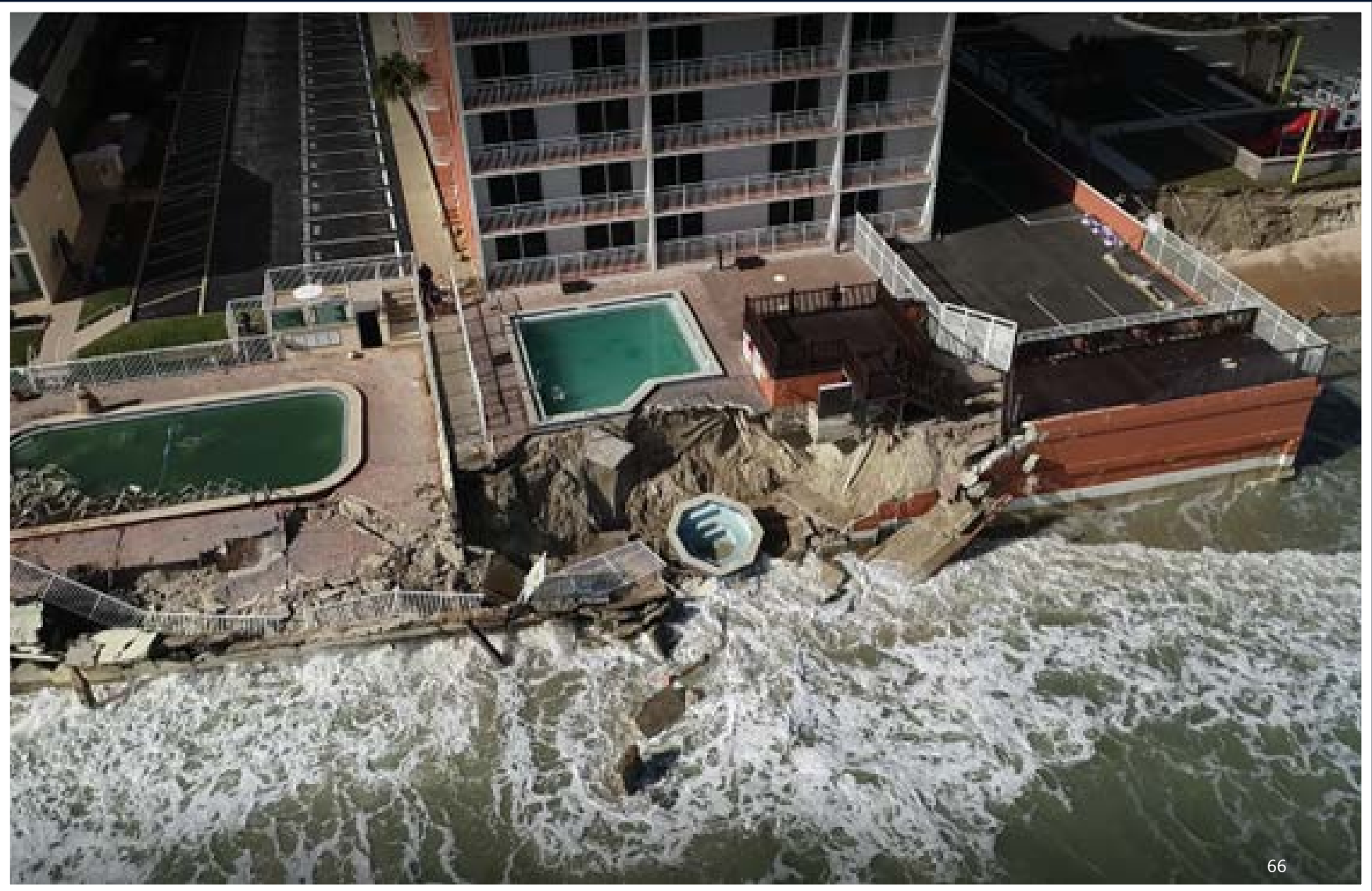














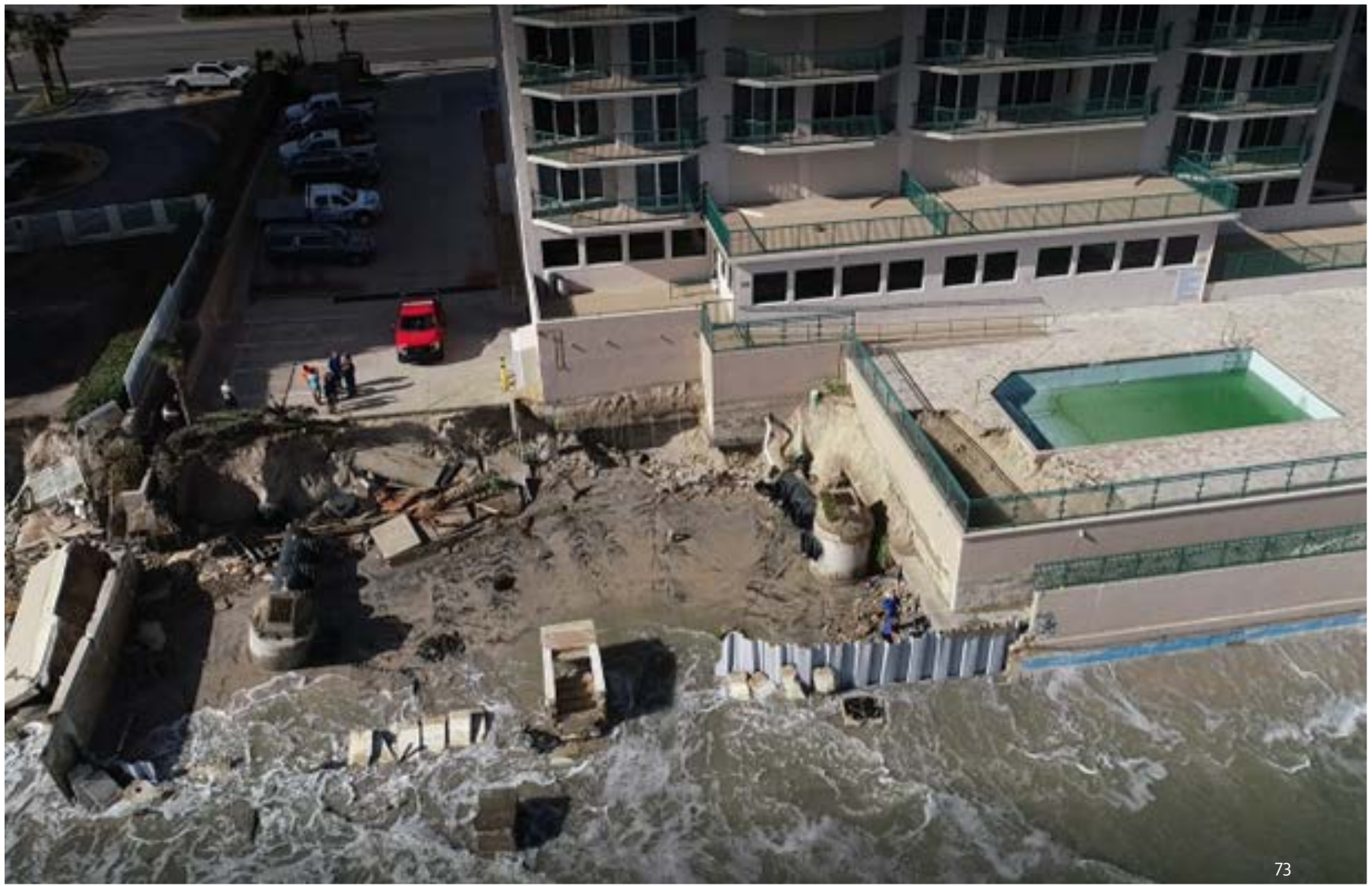




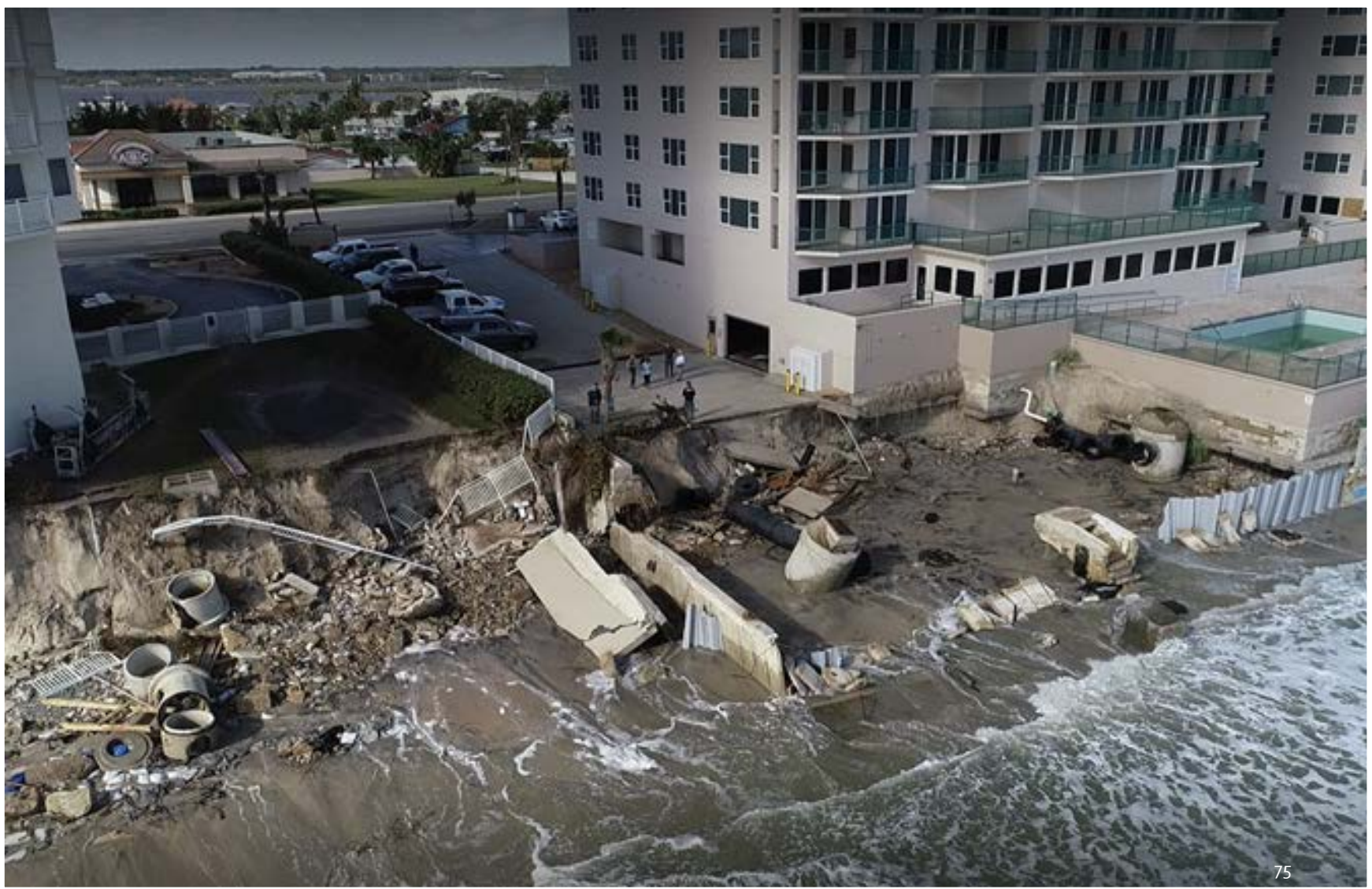










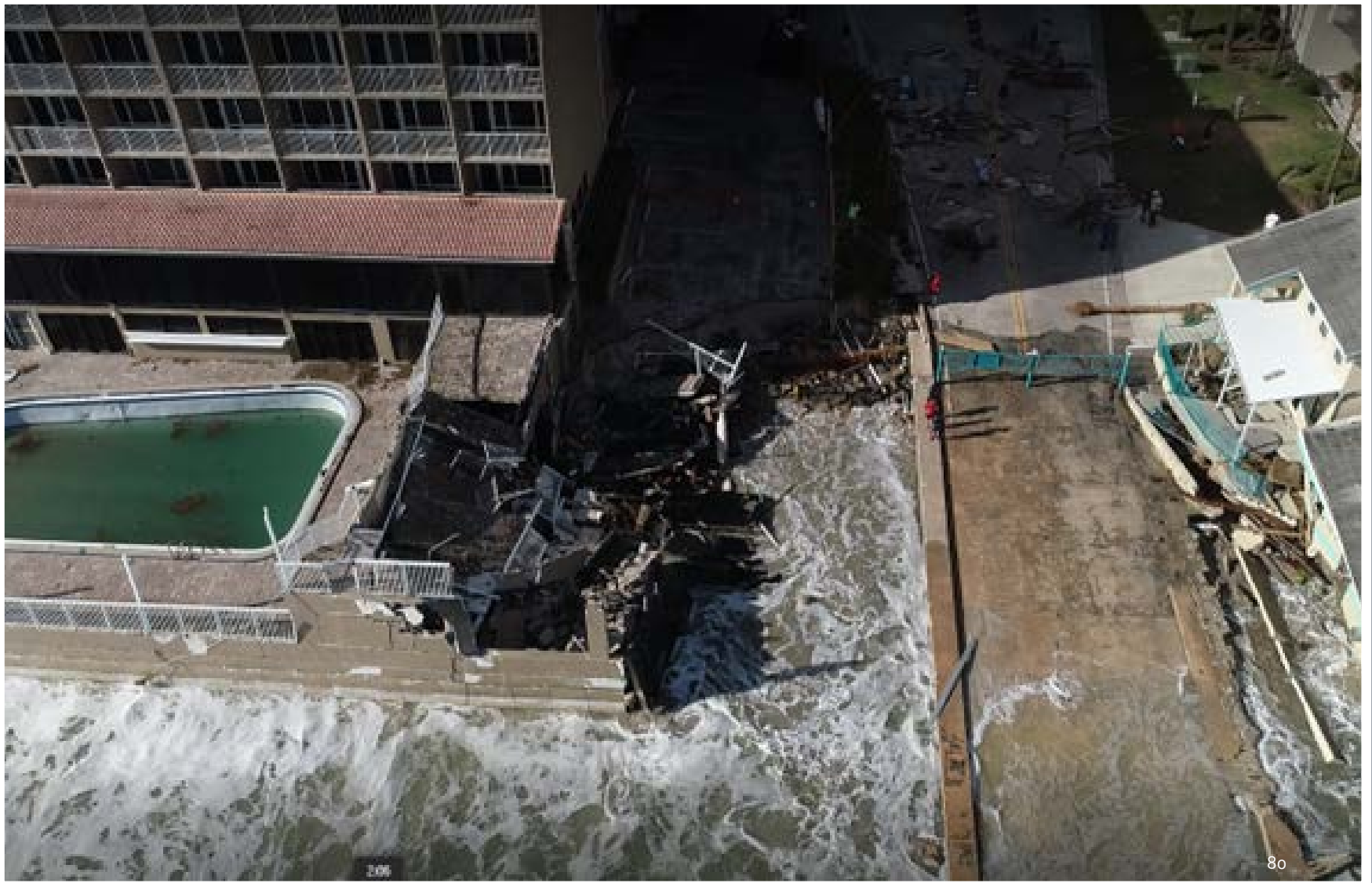














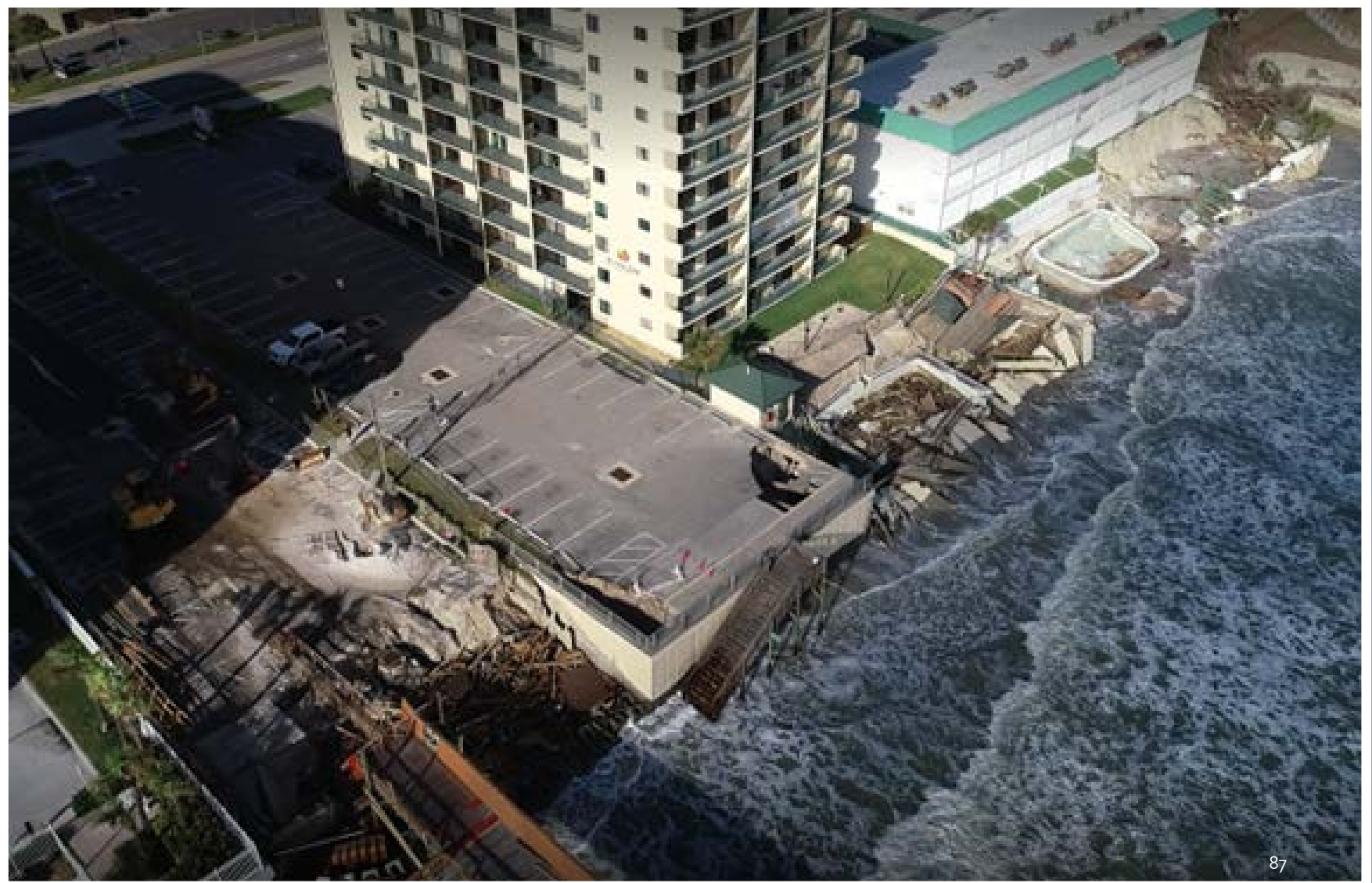


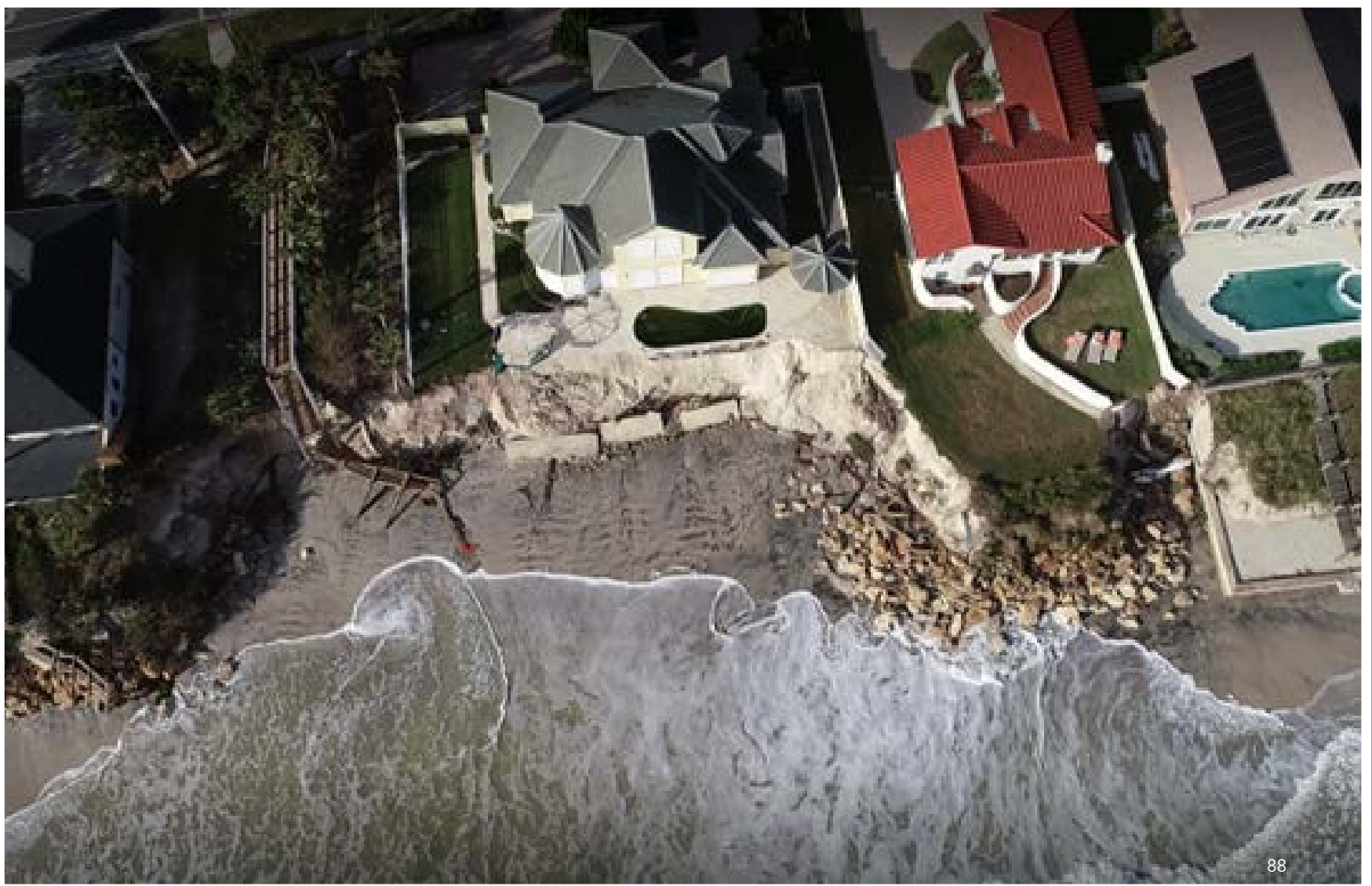












Daytona Beach Shores Requesting:

SENATE BILL 4D

- Requesting “Impacted Property” requests be given extension (3-5 additional years). The city fully supports required timeframes for full inspection contained in Bill.

SENATE BILL 4A

- City requesting for additions to program:
 - Grants be open to both non-homesteaded and commercial properties
 - Grant deadline for work be extended well beyond current July 1, 2023 deadline.
- Tax-Abatement for Impacted Properties:
 - City requests legislature agree to fund any tax abatement through state reserves
 - Tax-Abatement for Impacted Properties:

OTHER

- Loan Program
 - Create a low interest rate loan program similar to the Fed SBA Loan Program, however funded by the State.
 - Allow any “Impacted Property” to apply, not just residential.
- Permit Fee Waivers(s): City and County waived permit fees for hurricane related permits – City requesting waiver of \$3,500 permit fee for seawall repairs through FDEP permitting process.

The Florida Senate

APPEARANCE RECORD

Deliver both copies of this form to
Senate professional staff conducting the meeting

3/8/23

Meeting Date

RESILIENCY

Committee

Bill Number or Topic

Amendment Barcode (if applicable)

Name

Cocun POLSKY

Phone

954 236 1088

Address

1807 NE 27th ST

Email

cpolsky@fau.edu

Street

WILTON MANORS FL

33306

City

State

Zip

Speaking: ☐ For ☐ Against ☒ Information

OR

Waive Speaking: ☐ In Support ☐ Against

PLEASE CHECK ONE OF THE FOLLOWING:

☐

I am appearing without
compensation or sponsorship.

☐

I am a registered lobbyist,
representing:

☒

I am not a lobbyist, but received
something of value for my appearance
(travel, meals, lodging, etc.),
sponsored by:

FAU

While it is a tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this hearing. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard. If you have questions about registering to lobby please see Fla. Stat. §11.045 and Joint Rule 1. [2020-2022 Joint Rules.pdf \(flsenate.gov\)](#)

This form is part of the public record for this meeting.

S-001 (08/10/2021)

The Florida Senate
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Bill Number or Topic

Amendment Barcode (if applicable)

Meeting Date

Committee

Name

Phone

Address

Street

City

State

Zip

Email

Speaking: ☐ For ☐ Against ☒ Information

OR

Waive Speaking: ☐ In Support ☐ Against

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compensation or sponsorship.

☒ I am a registered lobbyist,
representing:

FTBA

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S-001 (08/10/2021)

3/8/23

Meeting Date

The Florida Senate
APPEARANCE RECORD

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Senate professional staff conducting the meeting

Bill Number or Topic

Committee

Amendment Barcode (if applicable)

Name

Robert Ledoux

Phone

904 614 0400

Address

7150 Philip's Highway

Street

Email

Robert.Ledoux@flsenate.gov
con

Jacksonville FL

City

State

32256

Zip

Speaking:

☐ For

☐ Against

☒ Information

OR

Waive Speaking:

☐ In Support

☐ Against

PLEASE CHECK ONE OF THE FOLLOWING:



I am appearing without
compensation or sponsorship.



I am a registered lobbyist,
representing:



I am not a lobbyist, but received
something of value for my appearance
(travel, meals, lodging, etc.),
sponsored by:

FLORIDA RAILROAD ASSOCIATION

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This form is part of the public record for this meeting.

S-001 (08/10/2021)

The Florida Senate

APPEARANCE RECORD

Deliver both copies of this form to
Senate professional staff conducting the meeting

3/8/23

Meeting Date

Resilience

Committee

Bill Number or Topic

Amendment Barcode (if applicable)

Name

Michael RUBIN

Phone

850-443-0702

Address

502 E Jefferson St

Email

Mike.Rubin@FlaPorts.org

Street

Tall

City

FL

State

32301

Zip

Speaking:

☐ For

☐ Against

☒ Information

OR

Waive Speaking:

☐ In Support

☐ Against

PLEASE CHECK ONE OF THE FOLLOWING:

☐

I am appearing without
compensation or sponsorship.

☒

I am a registered lobbyist,
representing:

Florida Ports Council

☐

I am not a lobbyist, but received
something of value for my appearance
(travel, meals, lodging, etc.),
sponsored by:

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S-001 (08/10/2021)

The Florida Senate

APPEARANCE RECORD

Deliver both copies of this form to
Senate professional staff conducting the meeting

Aggregate Supply
Bill Number or Topic

3-8-23
Meeting Date

Select Resiliency
Committee

Name Ernie Barnett

Phone 850 284 6178
Amendment Barcode (if applicable)

Address 4524 Gux Club Rd #201
Street
West Palm Beach FL 33415
City State Zip

Email Barnett@floridawaterandland.com

Speaking: ☐ For ☐ Against ☒ Information **OR** Waive Speaking: ☐ In Support ☐ Against

PLEASE CHECK ONE OF THE FOLLOWING:

☐ I am appearing without
compensation or sponsorship.

☒ I am a registered lobbyist,
representing: Miami Dade
Limestone Products
LLC

☐ I am not a lobbyist, but received
something of value for my appearance
(travel, meals, lodging, etc.),
sponsored by:

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S-001 (08/10/2021)

The Florida Senate

APPEARANCE RECORD

Deliver both copies of this form to
Senate professional staff conducting the meeting

3/8/23

Meeting Date

presentation

Bill Number or Topic

Committee

Amendment Barcode (if applicable)

Name Kevin Guthrie

Phone

Address 2555 Shumard Oak Blvd
Street

Email

Tallahassee
City

FL
State

32377
Zip

Speaking: ☐ For ☐ Against ☒ Information

OR

Waive Speaking: ☐ In Support ☐ Against

PLEASE CHECK ONE OF THE FOLLOWING:

☐ I am appearing without
compensation or sponsorship.

☒ I am a registered lobbyist,
representing:

☐ I am not a lobbyist, but received
something of value for my appearance
(travel, meals, lodging, etc.),
sponsored by:

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S-001 (08/10/2021)

The Florida Senate

APPEARANCE RECORD

March 8, 2023

Meeting Date

Deliver both copies of this form to
Senate professional staff conducting the meeting

Bill Number or Topic

Select Committee

Committee

OR Resilency

Name Mayor Nancy Miller

Phone 386-214-4227

Address 2990 S. ATLANTIC

Street

Email nrmiller@cityofobs.org

Daytona Beach Shores, FL
City State Zip 32118

Speaking: ☒ For ☐ Against ☐ Information

OR

Waive Speaking: ☐ In Support ☐ Against

PLEASE CHECK ONE OF THE FOLLOWING:

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compensation or sponsorship.

☐ I am a registered lobbyist,
representing:

☐ I am not a lobbyist, but received
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S-001 (08/10/2021)

The Florida Senate

APPEARANCE RECORD

HEARSANE RECOVERY

3/8/23

Meeting Date

Deliver both copies of this form to
Senate professional staff conducting the meeting

Bill Number or Topic

RESILIENTLY

Committee

Amendment Barcode (if applicable)

Name KURT SWARTZLANDER

Phone (386) 523-6922

Address 2990 S. ATLANTIC AVE

Street

Email K SWARTZLANDER
@CITYOFDBS.ORG

DAYTONA BEACH SHORES, FL 32118

City

State

Zip

Speaking: ☐ For ☐ Against ☒ Information **OR** Waive Speaking: ☐ In Support ☐ Against

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☐ I am a registered lobbyist,
representing:

☐ I am not a lobbyist, but received
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This form is part of the public record for this meeting.

S-001 (08/10/2021)

CourtSmart Tag Report

Room: SB 110
Caption: Senate Select Committee on Resiliency

Case No.:

Type:
Judge:

Started: 3/8/2023 1:33:58 PM
Ends: 3/8/2023 3:23:55 PM **Length:** 01:49:58

1:33:57 PM	Chair calls meeting to order
1:34:07 PM	Roll call
1:34:24 PM	A Quorum is present
1:34:51 PM	Pledge of allegiance
1:35:20 PM	Chair opening remarks
1:37:24 PM	Presentation by Dr. Colin Polsky, Director, Center for Environmental Studies, FAU
1:38:37 PM	Dr. Polsky discusses climate resilience
1:45:54 PM	Dr. Polsky discusses adaptive capacity
1:50:12 PM	Dr. Polsky discusses climate resilience public opinion
1:54:29 PM	Questions?
1:54:36 PM	Chair asks a question
1:54:52 PM	Dr. Polsky responds
1:58:47 PM	Chair responds
1:59:39 PM	Presentation on Aggregate Materials
2:00:24 PM	Ananth Prasad, Florida Transportation Builders Association, begins presentation
2:03:06 PM	Mr. Prasad discusses types of aggregate rock used in Florida
2:04:55 PM	Mr. Prasad discusses supply chain dilemma in Florida
2:08:25 PM	Mr. Prasad discusses how to move forward efficiently
2:11:19 PM	Questions?
2:11:27 PM	Sen. Davis question
2:11:42 PM	Mr. Prasad responds
2:12:14 PM	Sen. Davis follow up
2:12:40 PM	Mr. Prasad responds
2:12:51 PM	Sen. Avila question
2:13:07 PM	Mr. Prasad responds
2:15:10 PM	Sen. Avila follow up
2:15:20 PM	Mr. Prasad responds
2:16:05 PM	Sen. Avila follow up
2:16:14 PM	Mr. Prasad responds
2:17:38 PM	Sen. Pizzo question
2:17:52 PM	Mr. Prasad responds
2:18:01 PM	Sen. Pizzo question
2:18:38 PM	Mr. Prasad responds
2:19:40 PM	Sen. Pizzo question
2:19:45 PM	Mr. Prasad responds
2:19:53 PM	Chair asks question
2:20:42 PM	Mr. Prasad responds
2:23:36 PM	Sen. Ingoglia question
2:23:45 PM	Mr. Prasad responds
2:24:41 PM	Sen. Ingoglia follow up
2:24:52 PM	Chair comments
2:25:14 PM	Sen. Ingoglia clarifies his question
2:25:30 PM	Mr. Prasad responds
2:26:35 PM	Sen. Ingoglia question
2:26:46 PM	Chair responds
2:27:18 PM	Mr. Prasad responds
2:27:35 PM	Chair comments
2:28:05 PM	Mr. Prasad responds
2:29:22 PM	Chair comments
2:29:36 PM	Sen. Harrell question/comment
2:29:59 PM	Sen. Ingoglia comment
2:31:05 PM	Presentation by Bob Ledoux, Florida East Coast Railways

2:32:25 PM	Mr. Ledoux discusses Florida railroad coverage
2:38:04 PM	Mr. Ledoux discusses railroad traffic
2:40:01 PM	Questions?
2:40:06 PM	Sen. Thompson question
2:40:20 PM	Mr. Ledoux responds
2:41:08 PM	Sen. Thompson follow up
2:41:23 PM	Mr. Ledoux responds
2:42:16 PM	Sen. Harrell question
2:42:30 PM	Mr. Ledoux responds
2:43:11 PM	Sen. Harrell follow up
2:43:17 PM	Mr. Ledoux responds
2:45:30 PM	Sen. Pizzo question
2:45:45 PM	Mr. Ledoux responds
2:46:02 PM	Sen. Pizzo follow up
2:46:10 PM	Mr. Ledoux responds
2:47:17 PM	Presentation by Mike Rubin, Florida Ports Council
2:48:55 PM	Mr. Rubin discusses aggregate shipment issues
2:53:46 PM	Questions?
2:54:00 PM	Chair makes comments
2:54:45 PM	Ernie Barnett, Miami-Dade Limestone Products Assn., waives speaking
2:55:20 PM	Presentation by Kevin Guthrie, Director, Division of Emergency Management
2:55:56 PM	Director Guthrie discusses the STORM Act
2:59:12 PM	Director Guthrie discusses Storm Revolving Loan Fund next steps for state of Florida
3:01:43 PM	Questions?
3:01:50 PM	Sen. Pizzo question
3:02:01 PM	Dir. Guthrie responds
3:03:09 PM	Presentation by Mayor Nancy Miller
3:03:51 PM	Mayor Miller discusses City of Daytona Beach Shores before and after hurricanes Ian and Nicole
3:16:33 PM	Questions?
3:16:41 PM	Chair comments
3:17:21 PM	Mayor Miller responds
3:17:28 PM	Sen. Thompson question
3:17:38 PM	Mayor Miller responds
3:18:48 PM	Sen. Pizzo comments
3:20:27 PM	Sen. Wright comments
3:21:16 PM	Mayor Miller responds
3:21:24 PM	Chair comments
3:22:28 PM	Sen. Wright comments
3:23:30 PM	Meeting adjourned