APPENDIX A -K

Palm Beach County Local Mitigation Strategy Hazard Identification and Risk Assessment/Consequence Analysis 2021 for LMS2024

Appendix G: Hazard & Risk Assessment Maps

Appendix M contains hazard boundary and risk assessment maps. Using County and municipal GIS capabilities, facility inventory lists and property appraiser databases, and other local, regional, state, and national agency databases, the LMS is able to map any location-specific hazard risk or event and estimate associated physical and financial losses, on demand. A representative sample of hazard maps available for risk assessment, strategydevelopment, and other mitigation planning activities are presented in the following sectionsof this appendix.

The maps and data in this appendix addresses, in part, the following FEMA requirements:

Requirement §201.6(c)(2)(i): The risk assessment must include a description of the type, location, and extent of all natural hazards that can affect the jurisdiction. The plan must include information on previous occurrences of hazard events on the probability of future hazards.

Requirement §201.6(c)(2)(ii): The risk assessment must include a description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i) of this section. Thisdescription must include an overall summary of each hazard and its impact on the community. All plans must address National Flood Insurance Program (NFIP) insured structures that have been repetitively damaged by floods.

Requirement §201.6(c)(2)(ii)(A): The risk assessment must include the types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified areas.

Requirement §201.6(c)(2)(ii)(B): The risk assessment must include an estimate of the potential dollar losses to vulnerable structures identified in paragraph(c)(2)(ii)(A) of this section and a description of the methodology used to prepare the estimate.

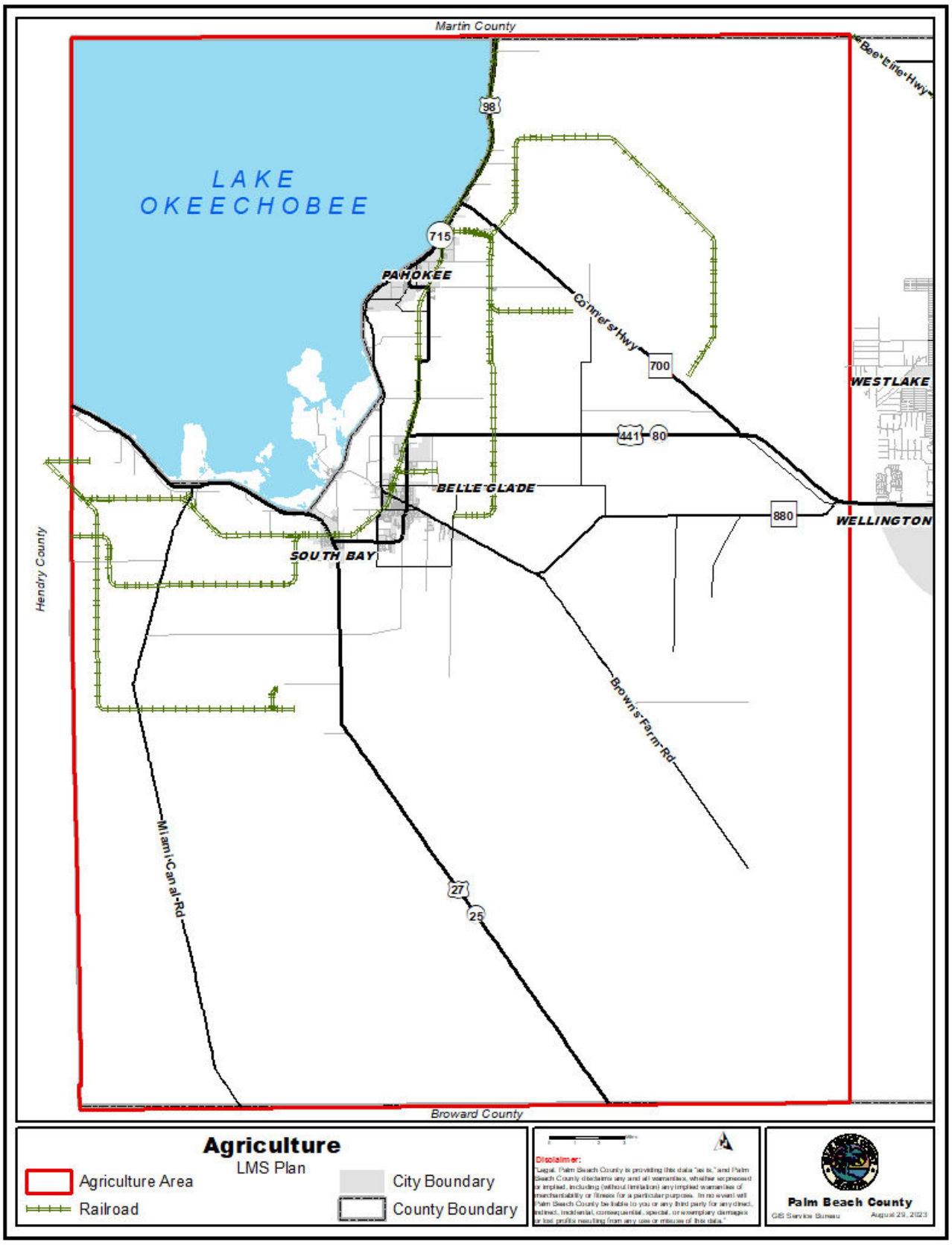
Requirement §201.6(c)(2)(ii)(C): The risk assessment must include a general description of land uses and development trends within the community so that mitigation options can be considered in future land use decision.

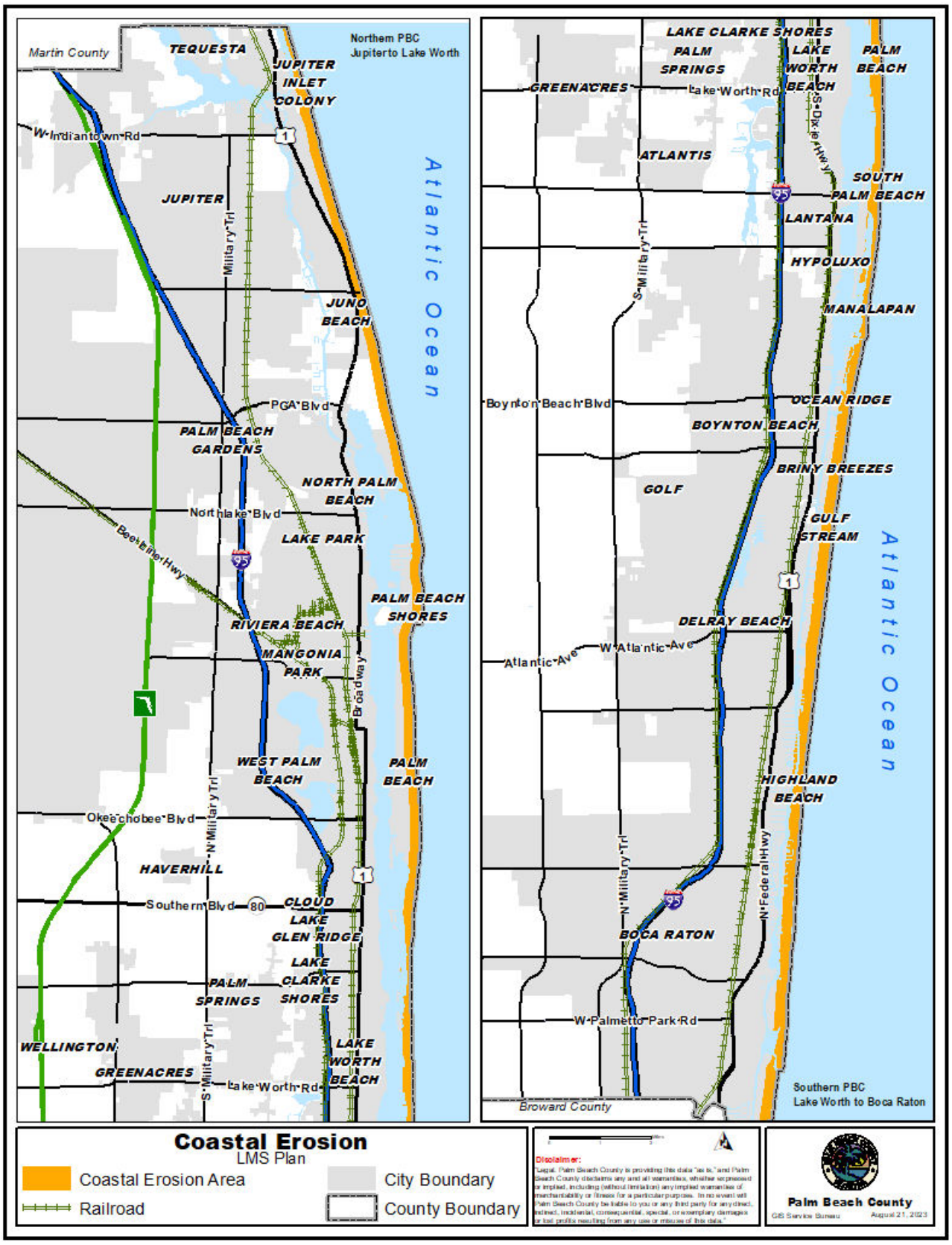
Requirement §201.6(c)(2)(iii): For multi-jurisdictional plans, the risk assessment must assess each jurisdiction's risks where they vary from the risks facing the entire planning area.

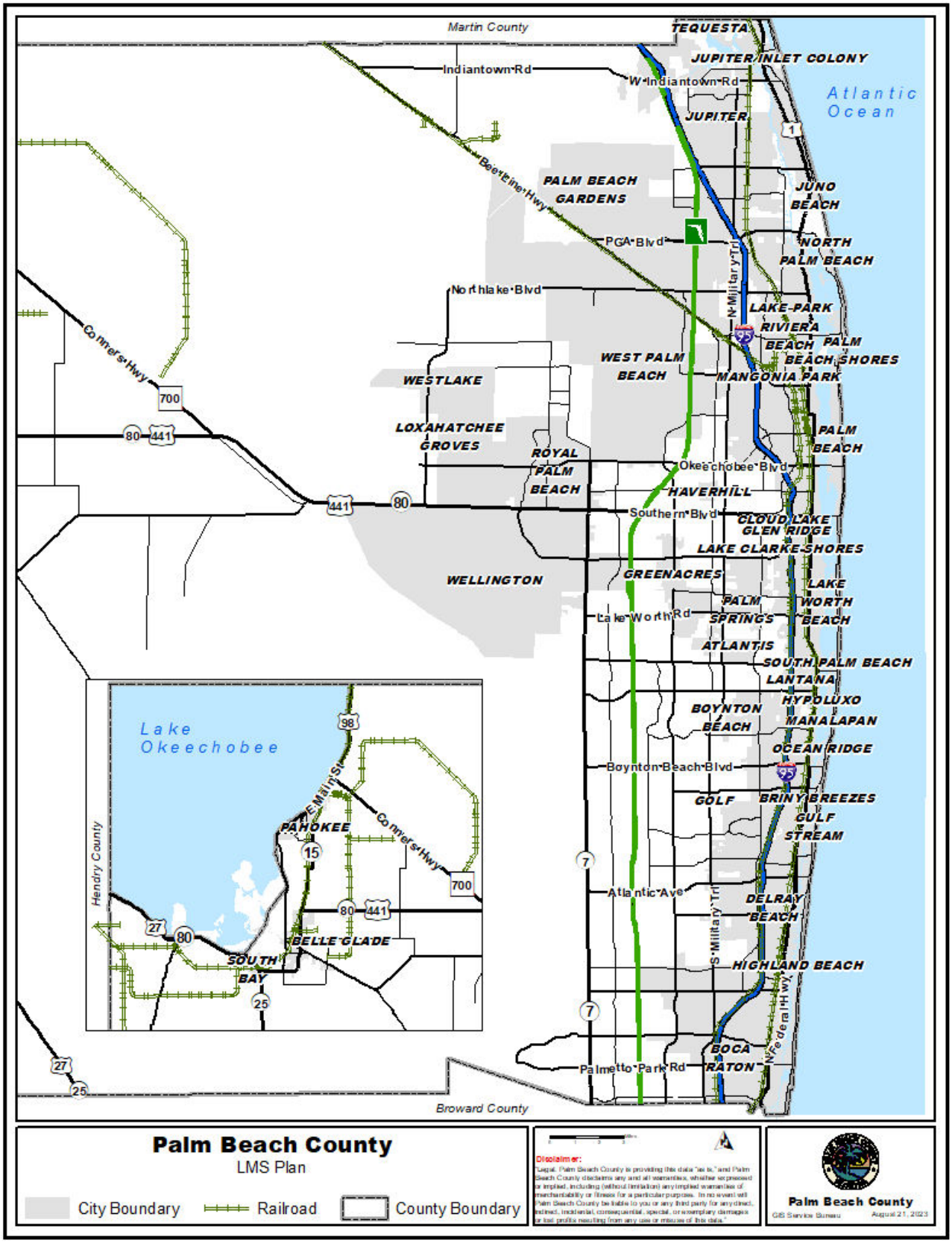
Further risk assessment detail pertinent to these FEMA requirements are contained in Appendix A, in the PBC Hazard Environment section and in the hazard profiles.

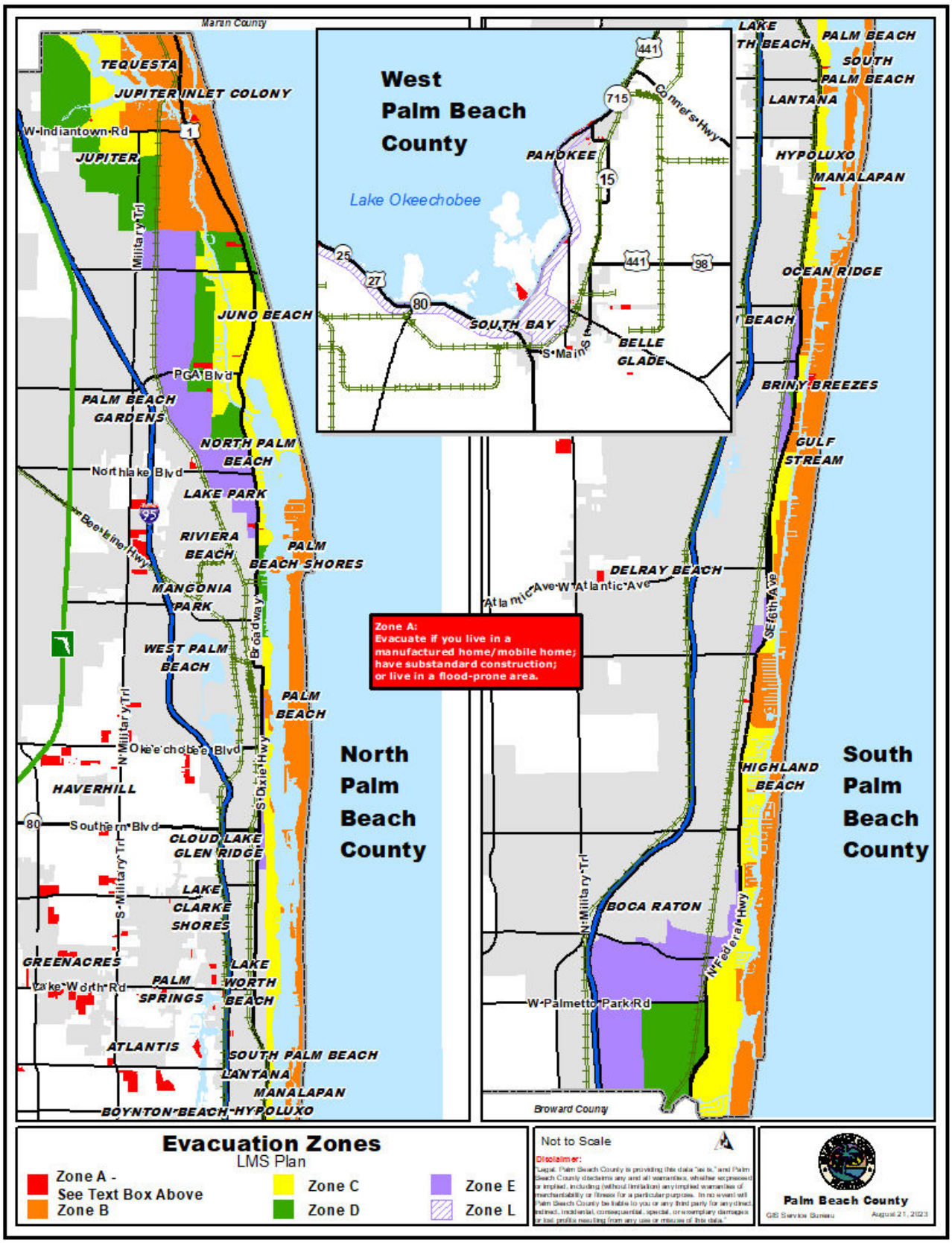
The maps listed in this appendix are cited below.

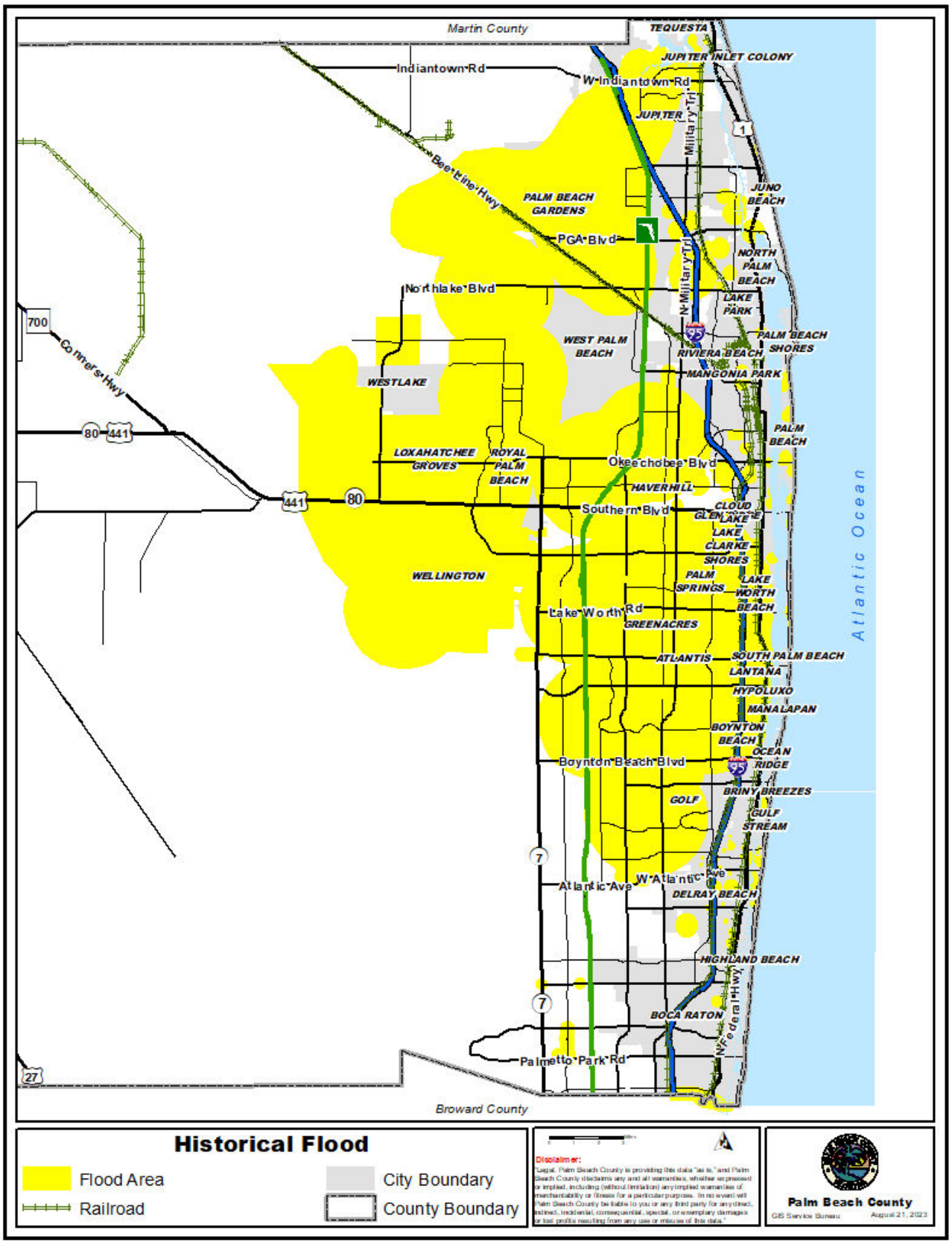
Map	Source
Historical Flood Prone Areas	SFWMD & PBCGIS
Storm Surge Areas	USACE
Evacuation Zones	DEM/USACE
Coastal Erosion Boundary	PBC ERM
Hebert Hoover Dike Breach Reach	SFWMD
Wellfield Protection Zones	PBC ERM
Wildland Fire Areas	Division of Forestry/PBCFR
Radiological Ingestion Pathway Zone	FP&L
Muck Fire Areas	PBC ERM
Transportation Areas	PBC GIS
Hurricane Peak Wind Potentials	NWS/NHC
Other Countywide Hazard Threats (Tornado, Extreme Temps, etc.)	PBC GIS
Agricultural Pests	PBC ERM
Tsunami Buffer	Tsunami Society
Sea Level Rise Possible Inundation	Southeast Florida Regional Climate Change Compact

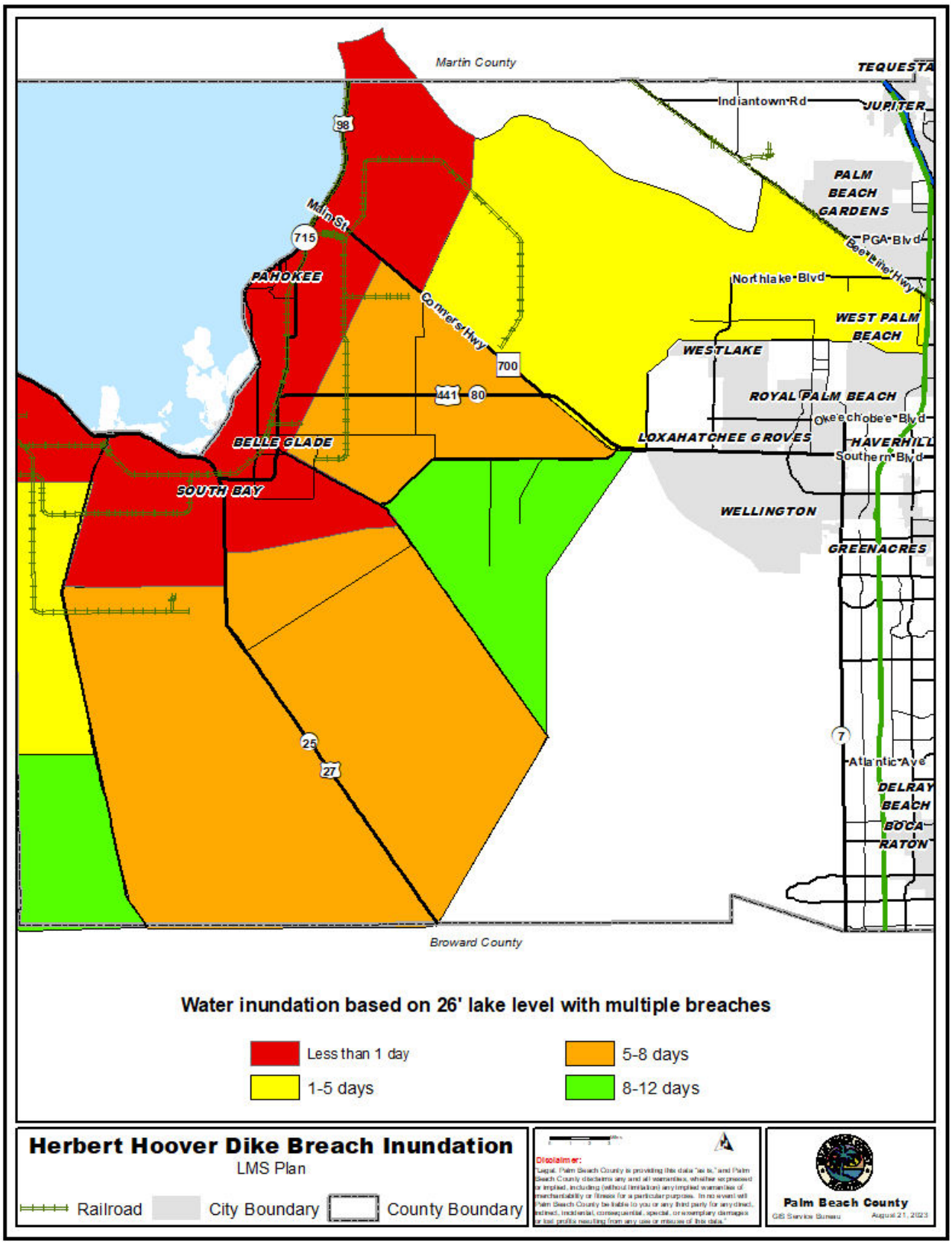

Martin County
LAKE
OKEECHOBEE
98
715
PAHOKEE
Conners Hwy
700
WESTLAKE
441
80
BELLE GLADE
880
WELLINGTON
SOUTH BAY
Hendry County
Bee Line Hwy
Brown's Farm Rd
Miami Canal Rd
27
25
Broward County
Agriculture
LMS Plan
Agriculture Area
Railroad
City Boundary
County Boundary
Disclaimer:
Palm Beach County
GIS Service Bureau
August 29, 2023

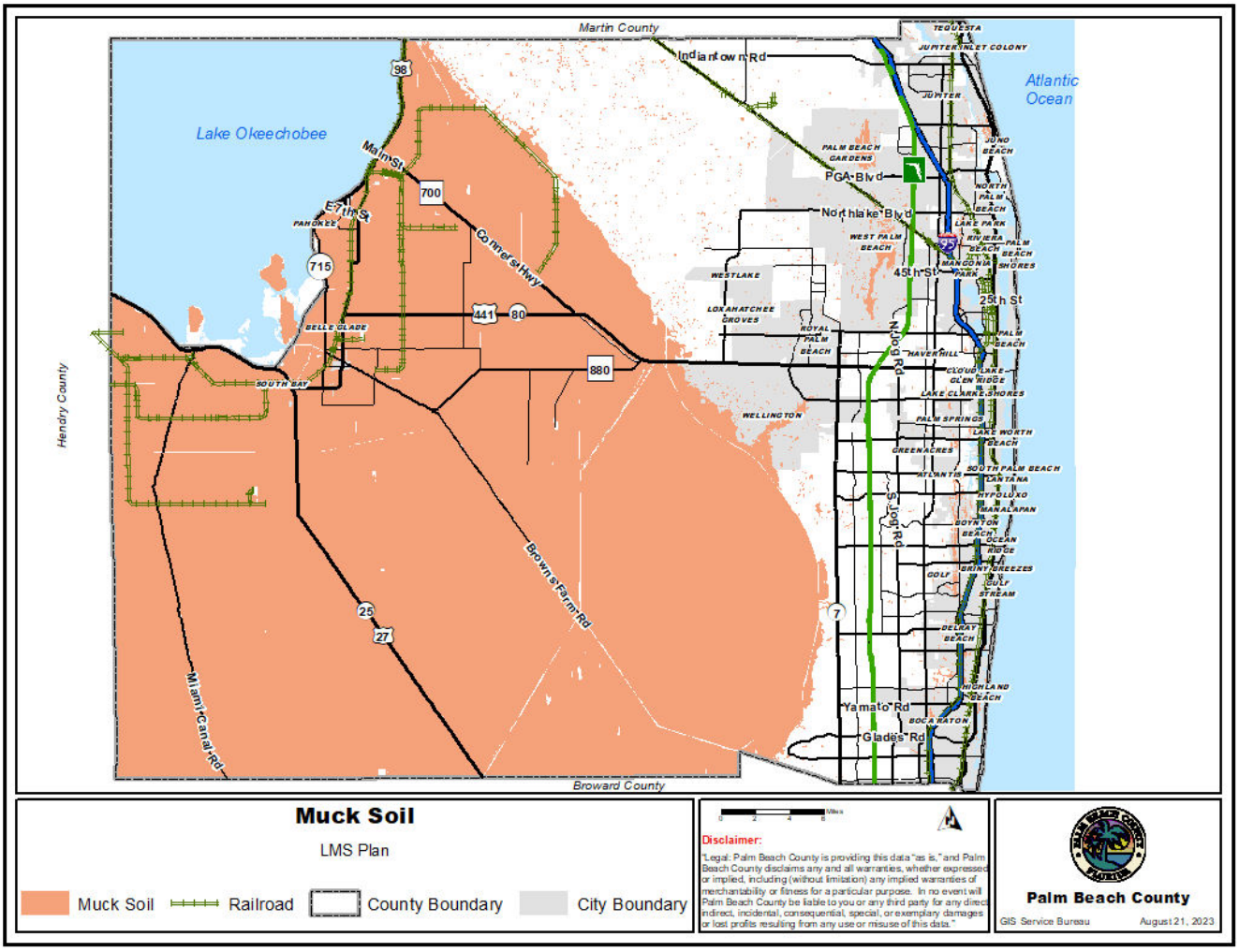

Martin County
TEQUESTA
JUPITER INLET COLONY
Northern PBC
Jupiter to Lake Worth
W Indiantown Rd
JUPITER
Military Trl
JUNO BEACH
PGA Blvd
PALM BEACH GARDENS
NORTH PALM BEACH
Northlake Blvd
LAKE PARK
Beeline Hwy
PALM BEACH SHORES
RIVIERA BEACH
MANGONIA PARK
Broadway
WEST PALM BEACH
PALM BEACH
Okeechobee Blvd
N Military Trl
HAVERHILL
Southern Blvd
80
CLOUD LAKE
GLEN RIDGE
LAKE CLARKE SHORES
PALM SPRINGS
WELLINGTON
S Military Trl
GREENACRES
Lake Worth Rd
LAKE WORTH BEACH
Atlantic Ocean
LAKE CLARKE SHORES
PALM SPRINGS
LAKE WORTH BEACH
PALM BEACH
GREENACRES
Lake Worth Rd
S Dixie Hwy
ATLANTIS
SOUTH PALM BEACH
LANTANA
S Military Trl
HYPOLUXO
MANALAPAN
Boynton Beach Blvd
OCEAN RIDGE
BOYNTON BEACH
BRINY BREEZES
GOLF
GULF STREAM
DELRAY BEACH
Atlantic Ave
W Atlantic Ave
HIGHLAND BEACH
N Military Trl
N Federal Hwy
BOCA RATON
W Palmetto Park Rd
Broward County
Southern PBC
Lake Worth to Boca Raton
Coastal Erosion
LMS Plan
Coastal Erosion Area
Railroad
City Boundary
County Boundary
Disclaimer:
Palm Beach County
GIS Service Bureau
August 21, 2023

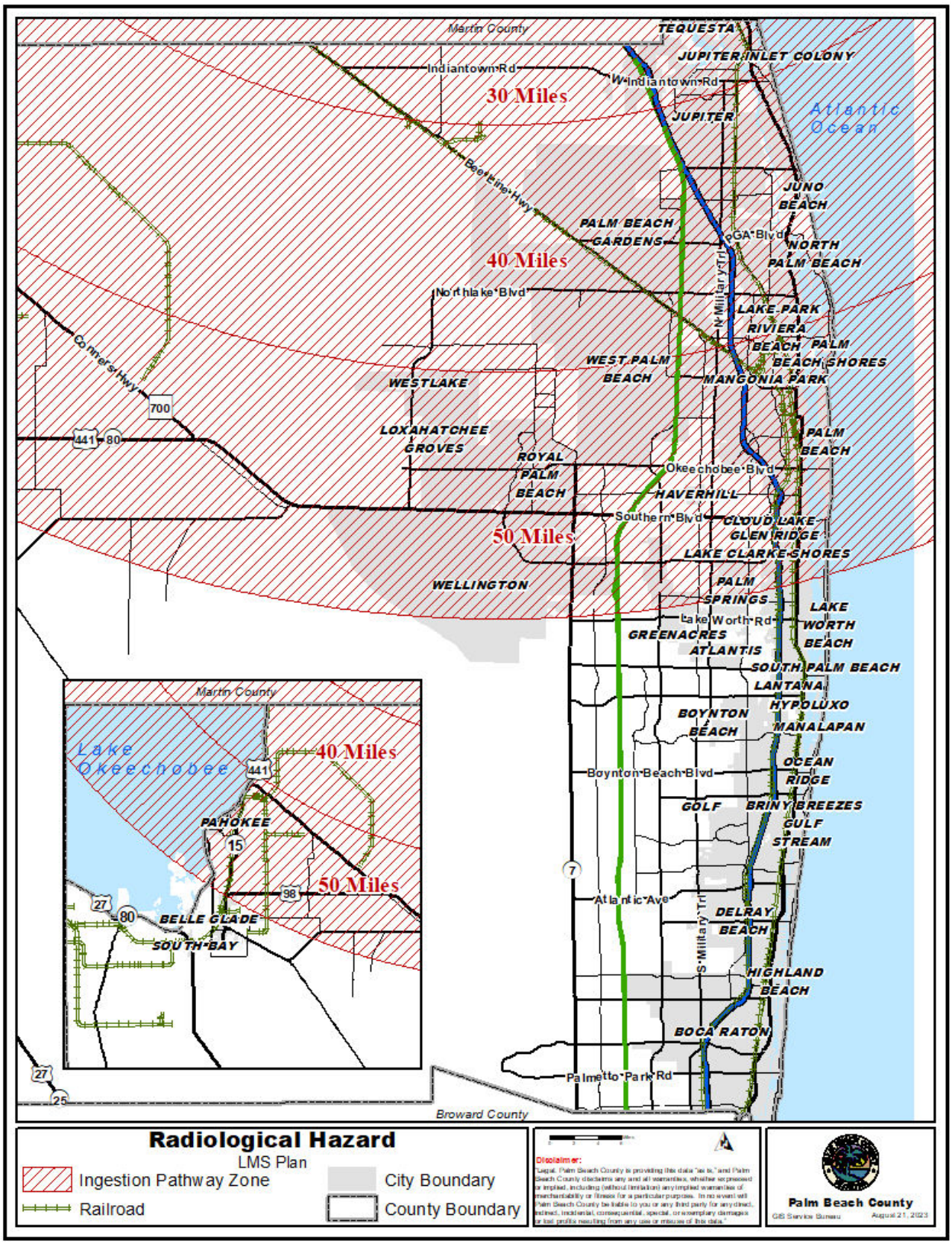

Martin County
TEQUESTA
JUPITER INLET COLONY
Indiantown Rd
W Indiantown Rd
Atlantic Ocean
JUPITER
Beeline Hwy
PALM BEACH GARDENS
JUNO BEACH
PGA Blvd
NORTH PALM BEACH
N Military Trl
Northlake Blvd
LAKE PARK
RIVIERA BEACH
PALM BEACH SHORES
MANGONIA PARK
WEST PALM BEACH
WESTLAKE
Connors Hwy
700
80
441
LOXAHATCHEE GROVES
ROYAL PALM BEACH
PALM BEACH
Okeechobee Blvd
HAVERHILL
Southern Blvd
CLOUD LAKE
GLEN RIDGE
LAKE CLARKE SHORES
GREENACRES
WELLINGTON
LAKE WORTH BEACH
PALM SPRINGS
Lake Worth Rd
ATLANTIS
SOUTH PALM BEACH
LANTANA
HYPOLUXO
MANALAPAN
BOYNTON BEACH
OCEAN RIDGE
Boynton Beach Blvd
GOLF
BRINY BREEZES
GULF STREAM
Atlantic Ave
DELRAY BEACH
S Military Trl
HIGHLAND BEACH
Federal Hwy
BOCA RATON
Palmetto Park Rd
Broward County
Lake Okeechobee
98
E Main St
PAHOKEE
15
Hendry County
27
BELLE GLADE
SOUTH BAY
25
7
Palm Beach County
LMS Plan
City Boundary
Railroad
County Boundary
Disclaimer:
Palm Beach County
GIS Service Bureau
August 21, 2023

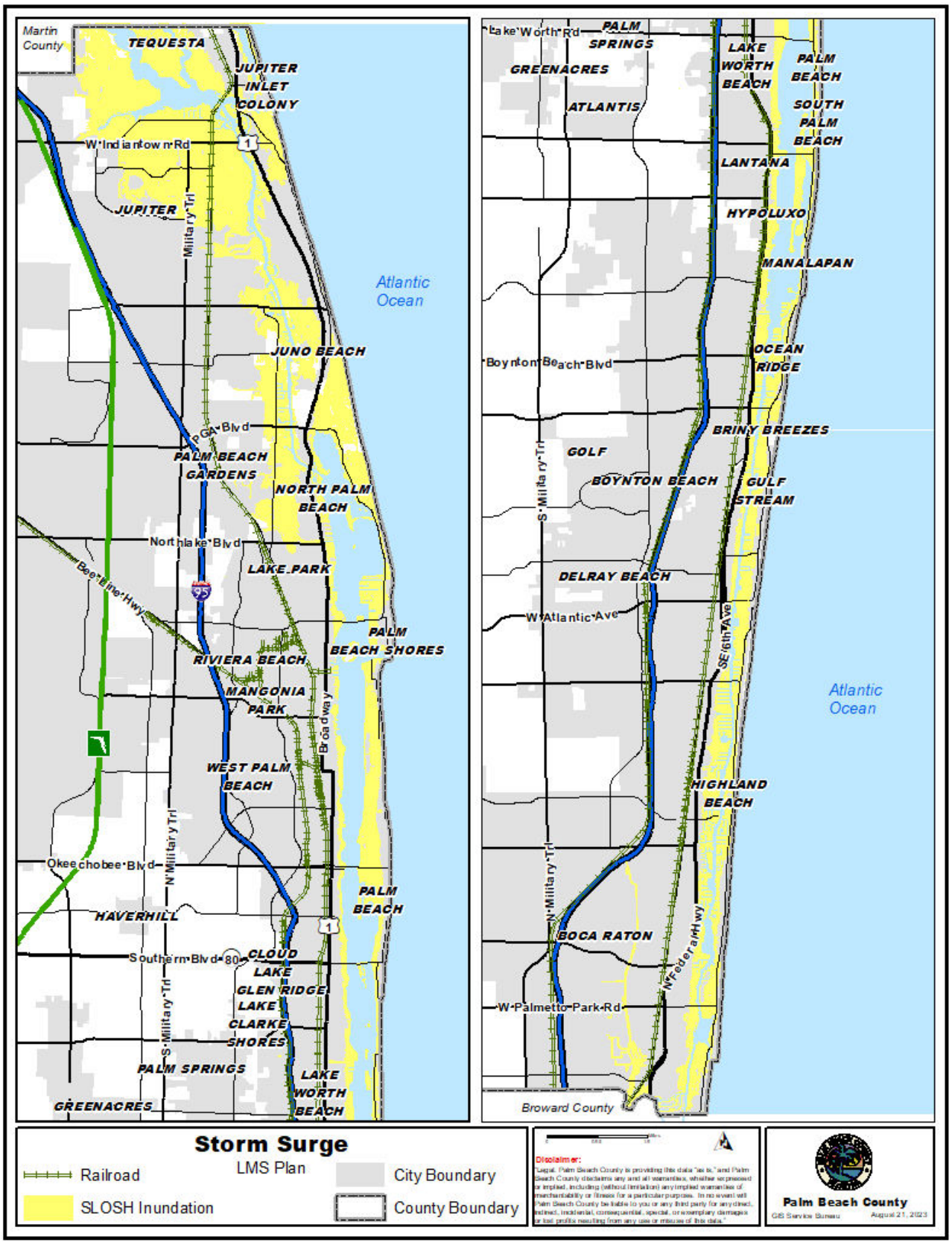

West Palm Beach County
Lake Okeechobee
Martin County
TEQUESTA
JUPITER INLET COLONY
JUPITER
W Indiantown Rd
Military Trl
JUNO BEACH
PGA Blvd
PALM BEACH GARDENS
NORTH PALM BEACH
Northlake Blvd
LAKE PARK
RIVIERA BEACH
PALM BEACH SHORES
MANGONIA PARK
Boeynton Beach Blvd
WEST PALM BEACH
Broadway
PALM BEACH
Okeechobee Blvd
HAVERHILL
Southern Blvd
CLOUD LAKE
GLEN RIDGE
LAKE CLARKE SHORES
GREENACRES
Lake Worth Rd
PALM SPRINGS
LAKE WORTH BEACH
ATLANTIS
SOUTH PALM BEACH
LANTANA
MANALAPAN
BOYNTON BEACH
HYPOLUXO
S Military Trl
S Dixie Hwy
N Military Trl
Zone A:
Evacuate if you live in a manufactured home/mobile home; have substandard construction; or live in a flood-prone area.
North Palm Beach County
South Palm Beach County
PAHOKEE
SOUTH BAY
BELLE GLADE
S Main St
Conners Hwy
LAKE WORTH BEACH
PALM BEACH
SOUTH PALM BEACH
LANTANA
HYPOLUXO
MANALAPAN
OCEAN RIDGE
BRINY BREEZES
GULF STREAM
DELRAY BEACH
Atlantic Ave
W Atlantic Ave
SE 6th Ave
HIGHLAND BEACH
BOCA RATON
N Federal Hwy
W Palmetto Park Rd
Broward County
Evacuation Zones
LMS Plan
Zone A - See Text Box Above
Zone B
Zone C
Zone D
Zone E
Zone L
Not to Scale
Disclaimer:
Palm Beach County
GIS Service Bureau
August 21, 2023

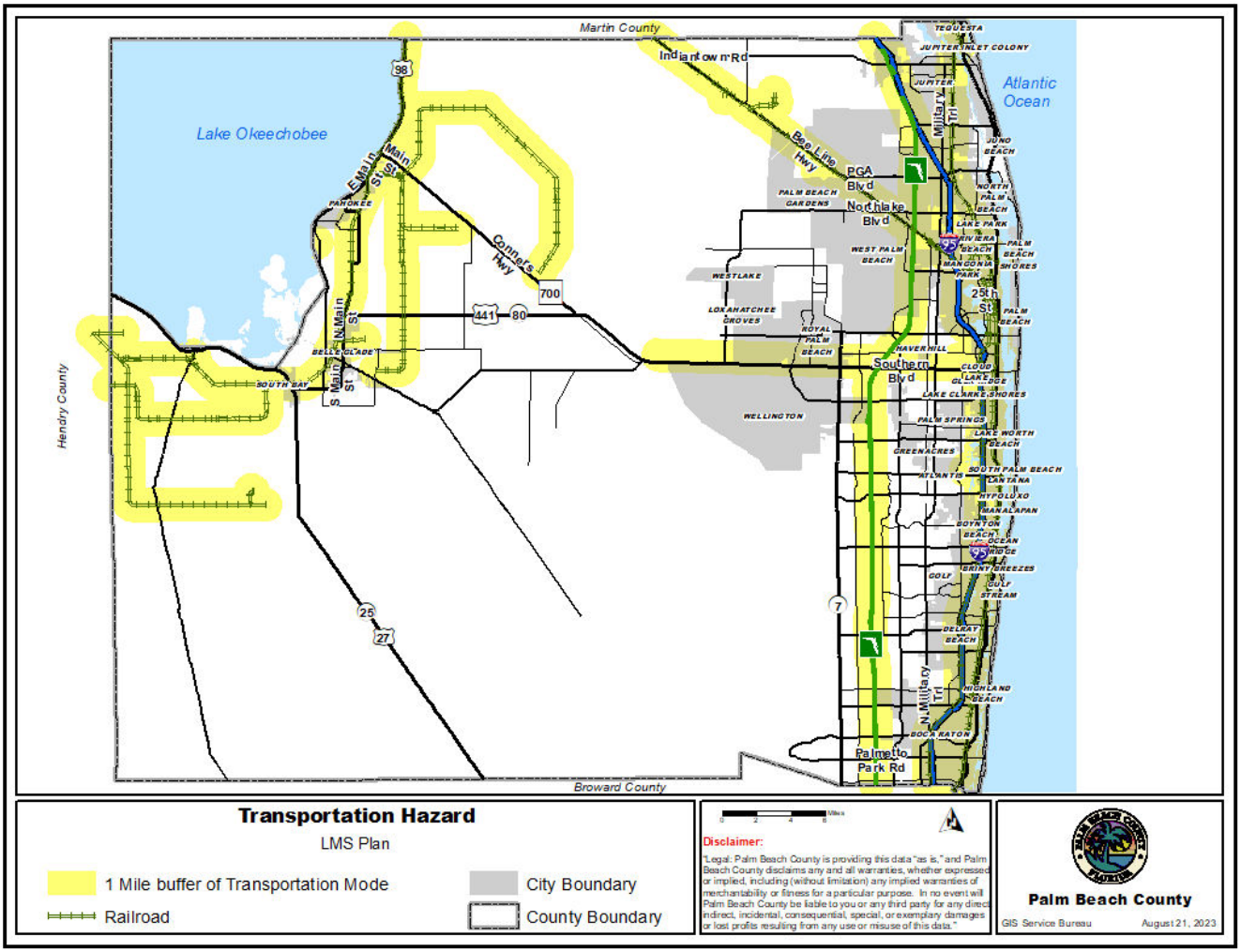

Martin County
Broward County
Atlantic Ocean
TEQUESTA
JUPITER INLET COLONY
JUPITER
Indiantown Rd
W Indiantown Rd
Bee Line Hwy
Military Trl
1
PALM BEACH GARDENS
PGA Blvd
JUNO BEACH
NORTH PALM BEACH
Northlake Blvd
LAKE PARK
N Military Trl
95
WEST PALM BEACH
RIVIERA BEACH
PALM BEACH SHORES
MANGONIA PARK
WESTLAKE
700
Connors Hwy
80
441
PALM BEACH
LOXAHATCHEE GROVES
ROYAL PALM BEACH
Okeechobee Blvd
HAVERHILL
Southern Blvd
CLOUD LAKE
GLEN
LAKE CLARKE SHORES
WELLINGTON
PALM SPRINGS
LAKE WORTH BEACH
Lake Worth Rd
GREENACRES
ATLANTIS
SOUTH PALM BEACH
LANTANA
HYPOLUXO
MANALAPAN
BOYNTON BEACH
OCEAN RIDGE
Boynton Beach Blvd
BRINY BREEZES
GOLF
GULF STREAM
7
Atlantic Ave
W Atlantic Ave
DELRAY BEACH
HIGHLAND BEACH
Federal Hwy
BOCA RATON
Palmetto Park Rd
27
Historical Flood
Flood Area
Railroad
City Boundary
County Boundary
Disclaimer:
Palm Beach County
GIS Service Bureau
August 21, 2023

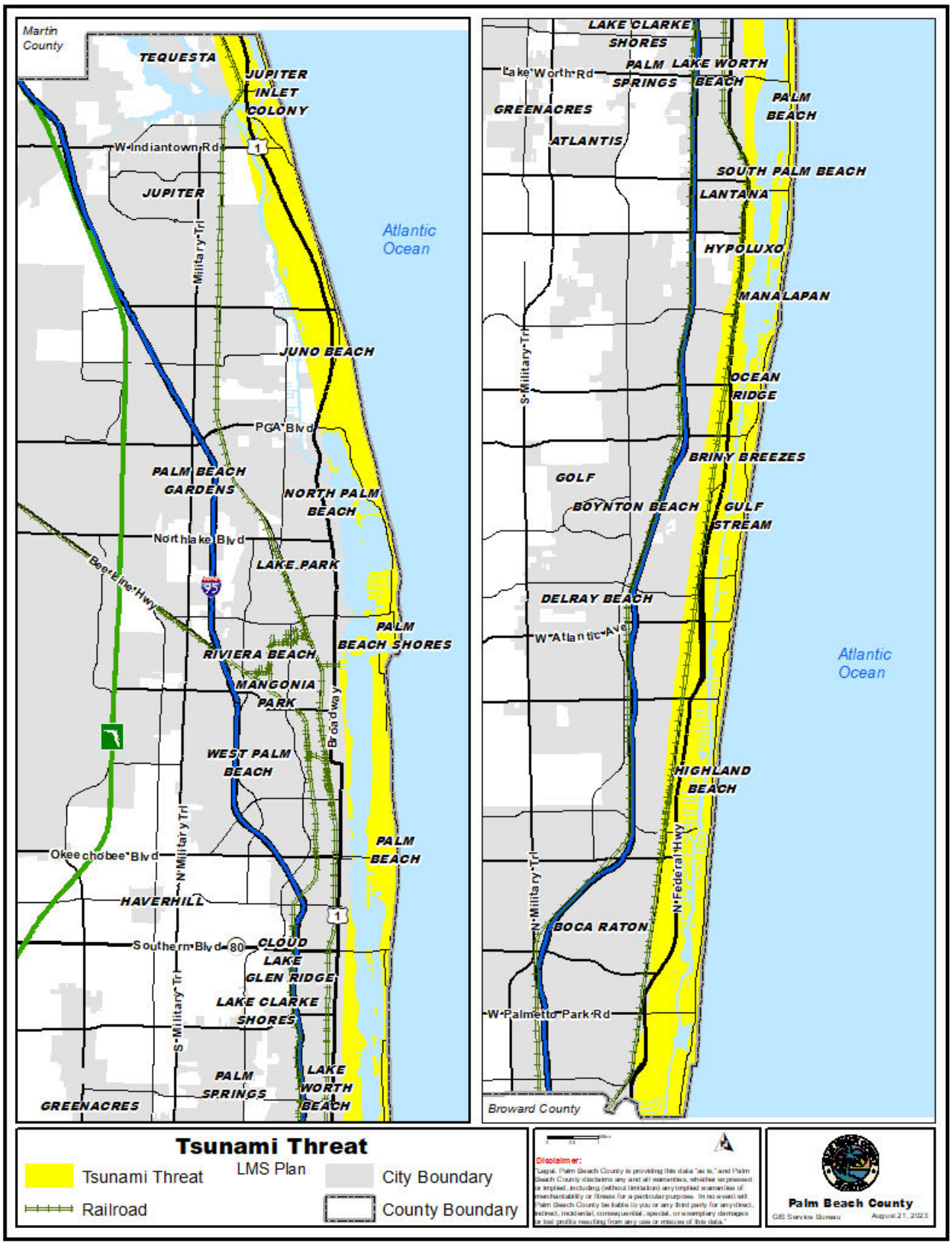

Martin County
TEQUESTA
Indiantown Rd
JUPITER
PALM BEACH GARDENS
PGA Blvd
Beeline Hwy
Northlake Blvd
WEST PALM BEACH
WESTLAKE
ROYAL PALM BEACH
Okeechobee Blvd
LOXAHATCHEE GROVES
HAVERHILL
Southern Blvd
WELLINGTON
GREENACRES
Atlantic Ave
DELRAY BEACH
BOCA RATON
PAHOKEE
BELLE GLADE
SOUTH BAY
Main St
Conners Hwy
98
715
700
441
80
25
27
7
Broward County
Water inundation based on 26' lake level with multiple breaches
Less than 1 day
1-5 days
5-8 days
8-12 days
Herbert Hoover Dike Breach Inundation
LMS Plan
Railroad
City Boundary
County Boundary
Palm Beach County
GIS Service Bureau
August 21, 2023

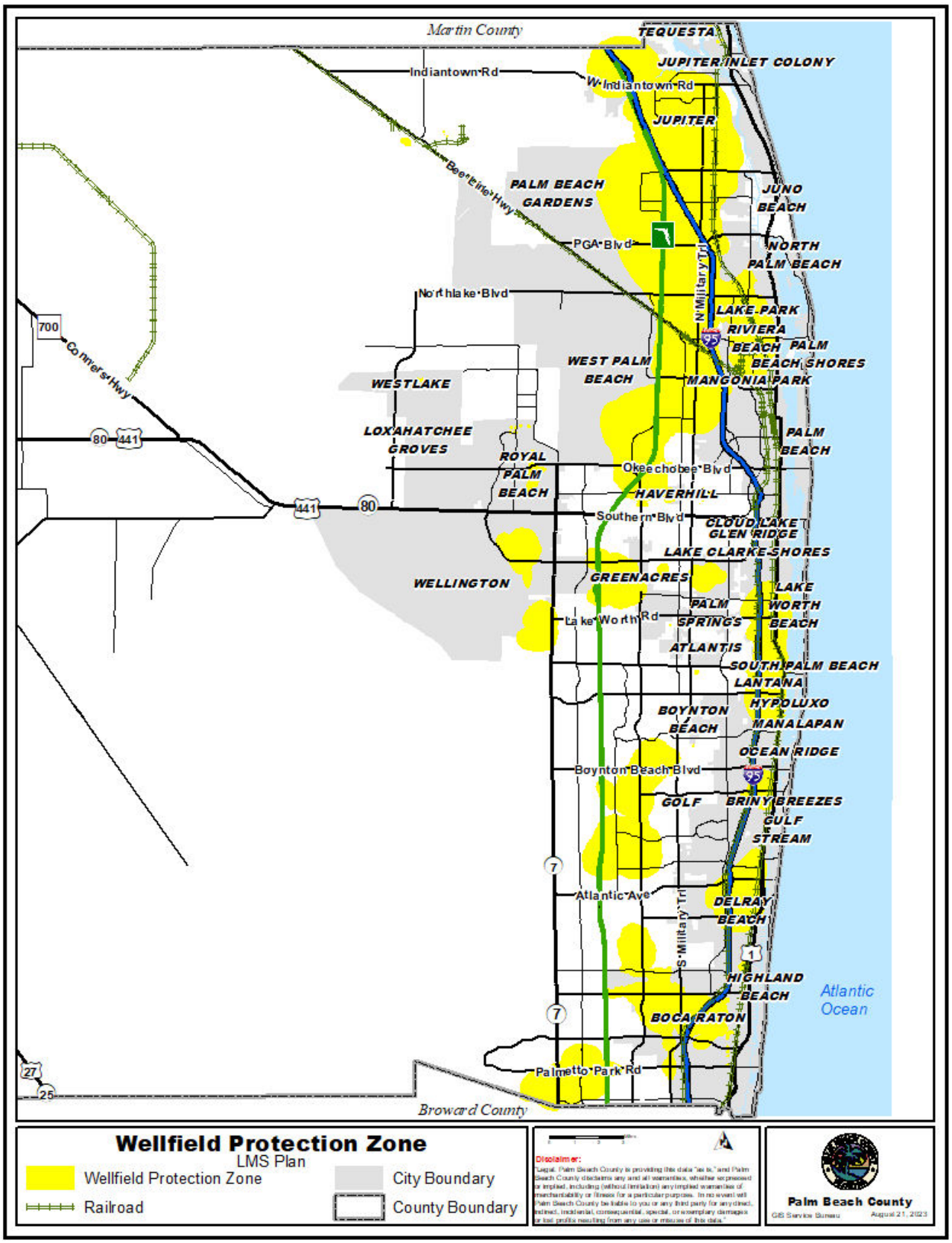

Martin County
Lake Okeechobee
Atlantic Ocean
Hendry County
Broward County
Indiantown Rd
Main St
E 7th St
Connerstown Hwy
Brown's Farm Rd
Miami Canal Rd
Military Trl
Jog Rd
Haverhill Rd
PGA Blvd
Northlake Blvd
45th St
25th St
Yamato Rd
Gladés Rd
98
700
715
441
80
880
25
27
7
PAHOKEE
BELLE GLADE
SOUTH BAY
WELLINGTON
WEST PALM BEACH
PALM BEACH GARDENS
WESTLAKE
LOXAHATCHEE GROVES
ROYAL PALM BEACH
HAVERHILL
PALM SPRINGS
GREENACRES
ATLANTIS
LAKE WORTH BEACH
SOUTH PALM BEACH
BOYNTON BEACH
DELRAY BEACH
BOCA RATON
JUPITER
TEQUESTA
JUPITER INLET COLONY
JUNO BEACH
NORTH PALM BEACH
LAKE PARK
RIVIERA BEACH
PALM BEACH SHORES
MANGONIA PARK
LAKE CLARKE SHORES
GOLF
GULF STREAM
HIGHLAND BEACH
Muck Soil
LMS Plan
Muck Soil
Railroad
County Boundary
City Boundary
Disclaimer:
"Legal: Palm Beach County is providing this data "as is," and Palm Beach County disclaims any and all warranties, whether expressed or implied, including (without limitation) any implied warranties of merchantability or fitness for a particular purpose. In no event will Palm Beach County be liable to you or any third party for any direct, indirect, incidental, consequential, special, or exemplary damages or lost profits resulting from any use or misuse of this data."
Palm Beach County
GIS Service Bureau
August 21, 2023

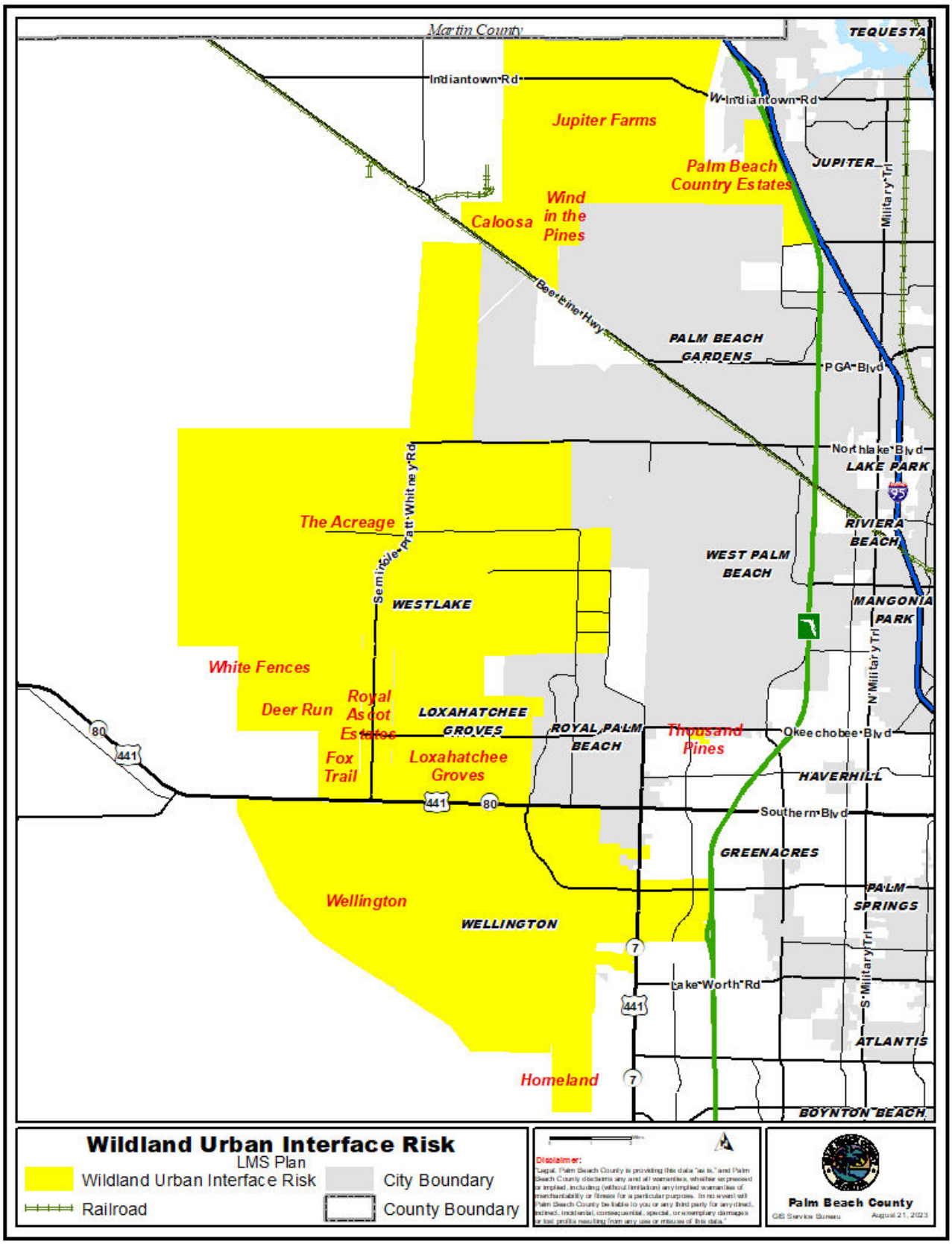

Martin County
TEQUESTA
JUPITER INLET COLONY
Indiantown Rd
W Indiantown Rd
30 Miles
JUPITER
Atlantic Ocean
Beeline Hwy
JUNO BEACH
PALM BEACH GARDENS
PGA Blvd
NORTH PALM BEACH
40 Miles
Northlake Blvd
N Military Trl
LAKE PARK
RIVIERA BEACH
PALM BEACH SHORES
WEST PALM BEACH
MANGONIA PARK
Conners Hwy
700
WESTLAKE
441
80
LOXAHATCHEE GROVES
PALM BEACH
ROYAL PALM BEACH
Okeechobee Blvd
HAVERHILL
Southern Blvd
CLOUD LAKE
GLEN RIDGE
50 Miles
LAKE CLARKE SHORES
WELLINGTON
PALM SPRINGS
LAKE WORTH BEACH
Lake Worth Rd
GREENACRES
ATLANTIS
SOUTH PALM BEACH
LANTANA
HYPOLUXO
BOYNTON BEACH
MANALAPAN
OCEAN RIDGE
Boynton Beach Blvd
GOLF
BRINY BREEZES
GULF STREAM
7
Atlantic Ave
S Military Trl
DELRAY BEACH
HIGHLAND BEACH
BOCA RATON
Palmetto Park Rd
Broward County
Martin County
Lake Okeechobee
441
40 Miles
PAHOKEE
15
98
50 Miles
27
80
BELLE GLADE
SOUTH BAY
27
25
Radiological Hazard
LMS Plan
Ingestion Pathway Zone
Railroad
City Boundary
County Boundary
Disclaimer:
Palm Beach County
GIS Service Bureau
August 21, 2023


Martin County
TEQUESTA
JUPITER INLET COLONY
W Indiantown Rd
JUPITER
Military Trl
Atlantic Ocean
JUNO BEACH
PGA Blvd
PALM BEACH GARDENS
NORTH PALM BEACH
Northlake Blvd
LAKE PARK
Beeline Hwy
PALM BEACH SHORES
RIVIERA BEACH
MANGONIA PARK
Broadway
WEST PALM BEACH
Okeechobee Blvd
N Military Trl
HAVERHILL
PALM BEACH
Southern Blvd
CLOUD LAKE
GLEN RIDGE
LAKE CLARKE SHORES
S Military Trl
PALM SPRINGS
LAKE WORTH BEACH
GREENACRES
Lake Worth Rd
PALM SPRINGS
GREENACRES
ATLANTIS
LAKE WORTH BEACH
PALM BEACH
SOUTH PALM BEACH
LANTANA
HYPOLUXO
MANALAPAN
Boynton Beach Blvd
OCEAN RIDGE
BRINY BREEZES
GOLF
S Military Trl
BOYNTON BEACH
GULF STREAM
DELRAY BEACH
W Atlantic Ave
SE 6th Ave
Atlantic Ocean
HIGHLAND BEACH
N Military Trl
BOCA RATON
N Federal Hwy
W Palmetto Park Rd
Broward County
Storm Surge
LMS Plan
Railroad
SLOSH Inundation
City Boundary
County Boundary
Disclaimer:
Palm Beach County
GIS Service Bureau
August 21, 2023

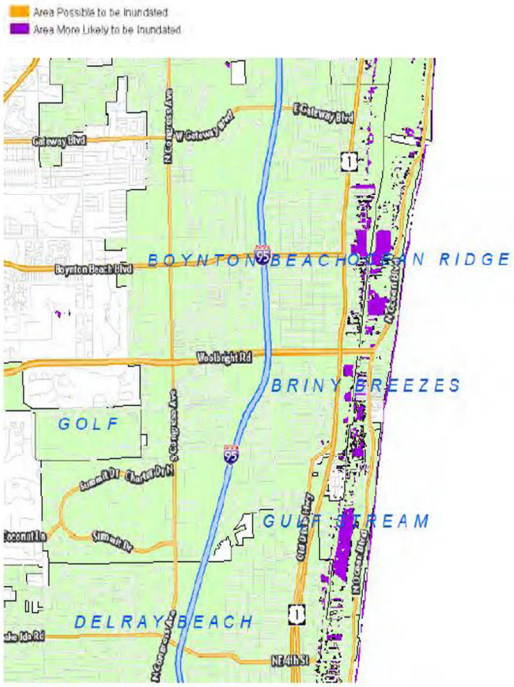

Martin County
Lake Okeechobee
Atlantic Ocean
Hendry County
Broward County
Indiantown Rd
Bee Line Hwy
Connors Hwy
Military Trl
N Military Trl
Palmetto Park Rd
Southern Blvd
PGA Blvd
Northlake Blvd
25th St
Main St
N Main St
98
441
80
700
25
27
7
Transportation Hazard
LMS Plan
1 Mile buffer of Transportation Mode
Railroad
City Boundary
County Boundary
Disclaimer:
"Legal: Palm Beach County is providing this data "as is," and Palm Beach County disclaims any and all warranties, whether expressed or implied, including (without limitation) any implied warranties of merchantability or fitness for a particular purpose. In no event will Palm Beach County be liable to you or any third party for any direct, indirect, incidental, consequential, special, or exemplary damages or lost profits resulting from any use or misuse of this data."
Palm Beach County
GIS Service Bureau
August 21, 2023


Martin County
TEQUESTA
JUPITER INLET COLONY
W Indiantown Rd
JUPITER
Military Trl
Atlantic Ocean
JUNO BEACH
PGA Blvd
PALM BEACH GARDENS
NORTH PALM BEACH
Northlake Blvd
LAKE PARK
Beeline Hwy
PALM BEACH SHORES
RIVIERA BEACH
MANGONIA PARK
Broadway
WEST PALM BEACH
PALM BEACH
Okeechobee Blvd
N Military Trl
HAVERHILL
Southern Blvd
CLOUD LAKE
GLEN RIDGE
LAKE CLARKE SHORES
S Military Trl
PALM SPRINGS
LAKE WORTH BEACH
GREENACRES
LAKE CLARKE SHORES
Lake Worth Rd
PALM SPRINGS
LAKE WORTH BEACH
GREENACRES
ATLANTIS
PALM BEACH
SOUTH PALM BEACH
LANTANA
HYPOLUXO
MANALAPAN
S Military Trl
OCEAN RIDGE
BRINY BREEZES
GOLF
BOYNTON BEACH
GULF STREAM
DELRAY BEACH
W Atlantic Ave
Atlantic Ocean
HIGHLAND BEACH
N Federal Hwy
N Military Trl
BOCA RATON
W Palmetto Park Rd
Broward County
Tsunami Threat
Tsunami Threat
LMS Plan
City Boundary
Railroad
County Boundary
Disclaimer:
Palm Beach County
GIS Service Bureau
August 21, 2023


Martin County
TEQUESTA
JUPITER INLET COLONY
Indiantown Rd
W Indiantown Rd
JUPITER
Beeline Hwy
PALM BEACH GARDENS
JUNO BEACH
PGA Blvd
NORTH PALM BEACH
N Military Trl
Northlake Blvd
LAKE PARK
RIVIERA BEACH
PALM BEACH SHORES
WEST PALM BEACH
MANGONIA PARK
700
Connors Hwy
WESTLAKE
LOXAHATCHEE GROVES
80
441
ROYAL PALM BEACH
PALM BEACH
Okeechobee Blvd
HAVERHILL
Southern Blvd
CLOUD LAKE
GLEN RIDGE
LAKE CLARKE SHORES
WELLINGTON
GREENACRES
LAKE WORTH BEACH
PALM SPRINGS
Lake Worth Rd
ATLANTIS
SOUTH PALM BEACH
LANTANA
HYPOLUXO
BOYNTON BEACH
MANALAPAN
OCEAN RIDGE
Boynton Beach Blvd
GOLF
BRINY BREEZES
GULF STREAM
7
Atlantic Ave
DELRAY BEACH
S Military Trl
1
HIGHLAND BEACH
Atlantic Ocean
BOCA RATON
Palmetto Park Rd
27
25
Broward County
Wellfield Protection Zone
LMS Plan
Wellfield Protection Zone
Railroad
City Boundary
County Boundary
Disclaimer:
Palm Beach County
GIS Service Bureau
August 21, 2023


Martin County
TEQUESTA
Indiantown Rd
W Indiantown Rd
Jupiter Farms
Palm Beach Country Estates
JUPITER
Military Trl
Caloosa
Wind in the Pines
Bee Line Hwy
PALM BEACH GARDENS
PGA Blvd
Northlake Blvd
LAKE PARK
Seminole Pratt Whitney Rd
The Acreage
RIVIERA BEACH
WEST PALM BEACH
WESTLAKE
MANGONIA PARK
N Military Trl
White Fences
Deer Run
Royal Ascot Estates
LOXAHATCHEE GROVES
ROYAL PALM BEACH
Thousand Pines
Okeechobee Blvd
Fox Trail
Loxahatchee Groves
80
441
HAVERHILL
Southern Blvd
GREENACRES
Wellington
WELLINGTON
PALM SPRINGS
7
Lake Worth Rd
S Military Trl
ATLANTIS
Homeland
BOYNTON BEACH
Wildland Urban Interface Risk
LMS Plan
Wildland Urban Interface Risk
Railroad
City Boundary
County Boundary
Disclaimer:
Palm Beach County
GIS Service Bureau
August 21, 2023

2-Foot Sea Level Rise in Palm Beach County - Jupiter Area

2-Foot Sea Level Rise in Palm Beach County - Boca Raton Area

2-Foot Sea Level Rise in Palm Beach County - Boynton Beach Area