

HURRICANE

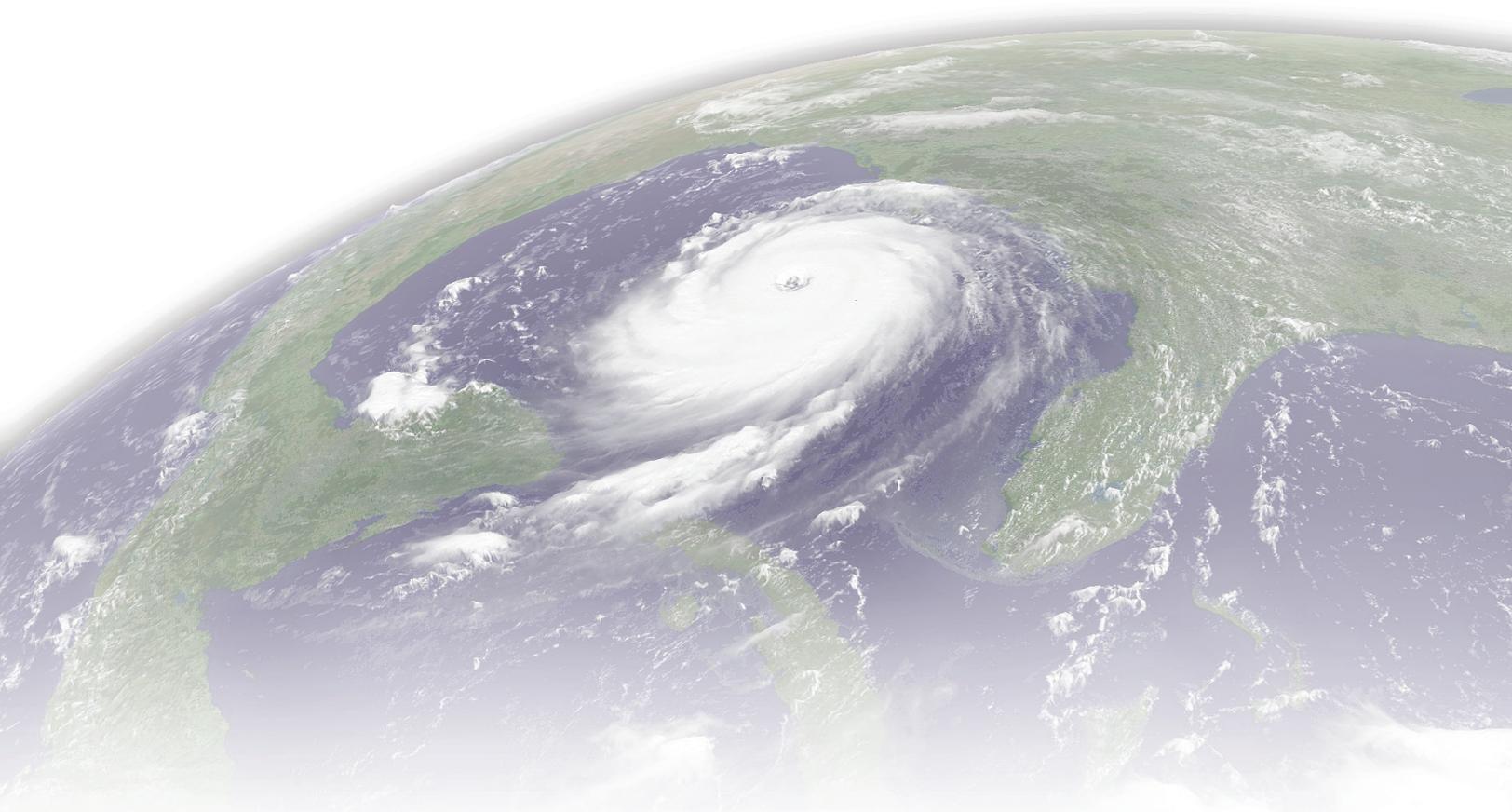
Katrina

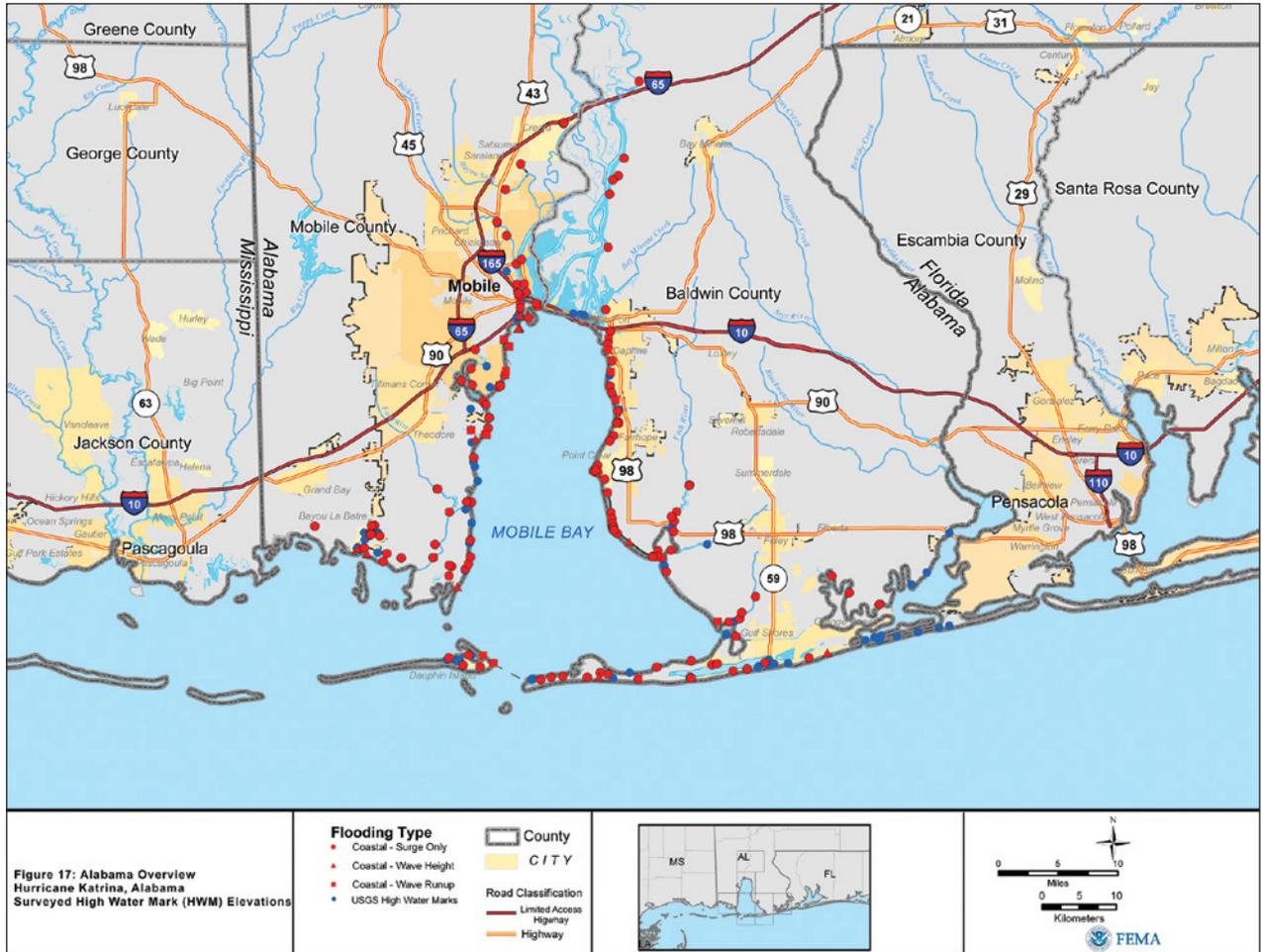
IN THE GULF COAST

F. High Water Marks

The maps/figures presented in this appendix for the States of Alabama, Louisiana, and Mississippi are based on the Hurricane Katrina Rapid Response Coastal and Riverine High Water Mark Collection Draft Report, March 2006.

High Water Marks in Alabama





F HIGH WATER MARKS

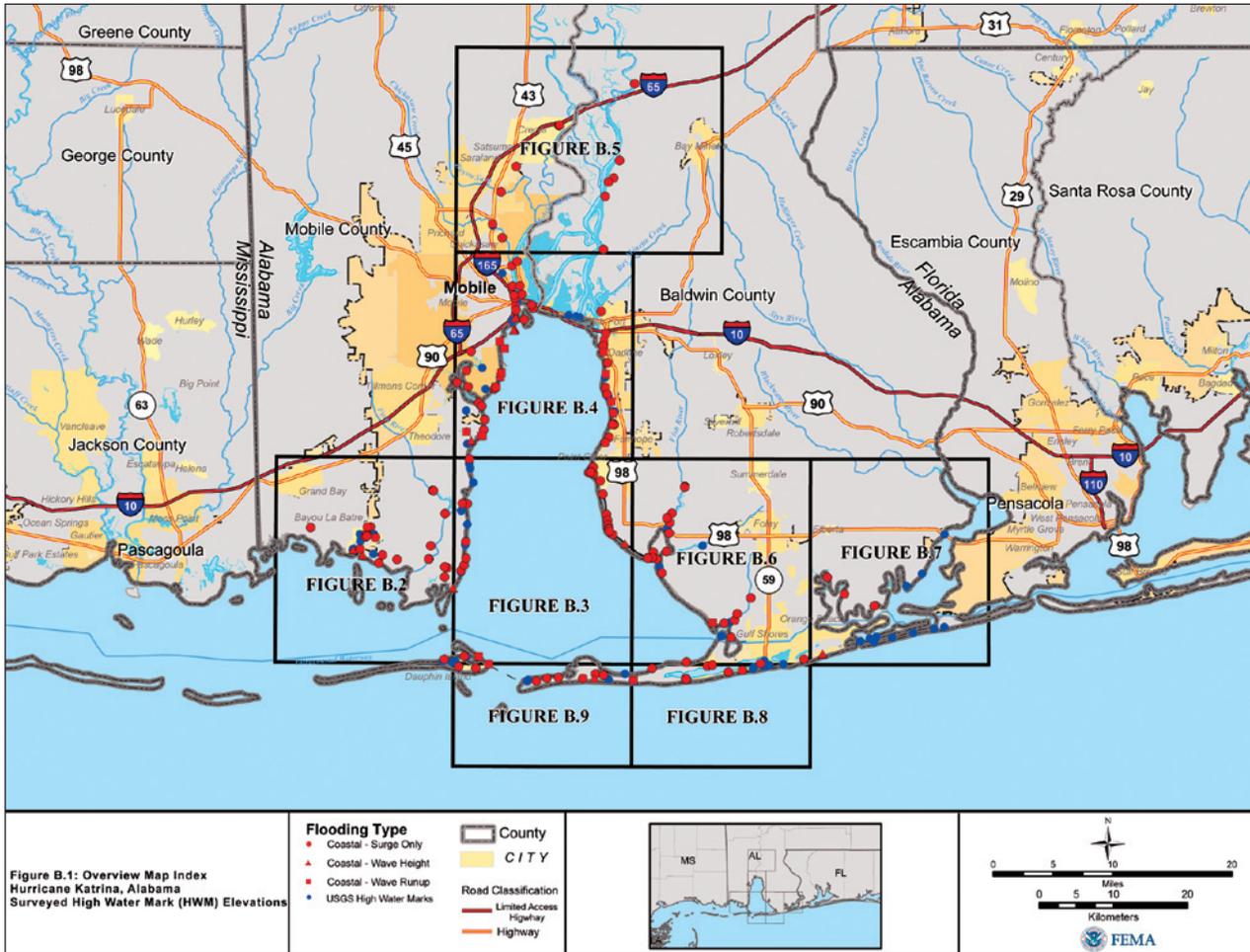




Figure B.3: Hurricane Katrina, Alabama Mobile & Baldwin Counties Surveyed High Water Mark (HWM) Elevations

Flooding Type

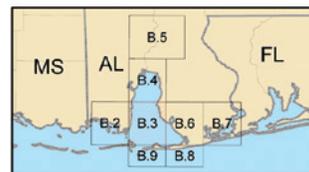
- Coastal - Surge Only
- ▲ Coastal - Wave Height
- Coastal - Wave Runup
- USGS High Water Marks

Road Classification

- Limited Access Freeway
- Highway
- Secondary Roads

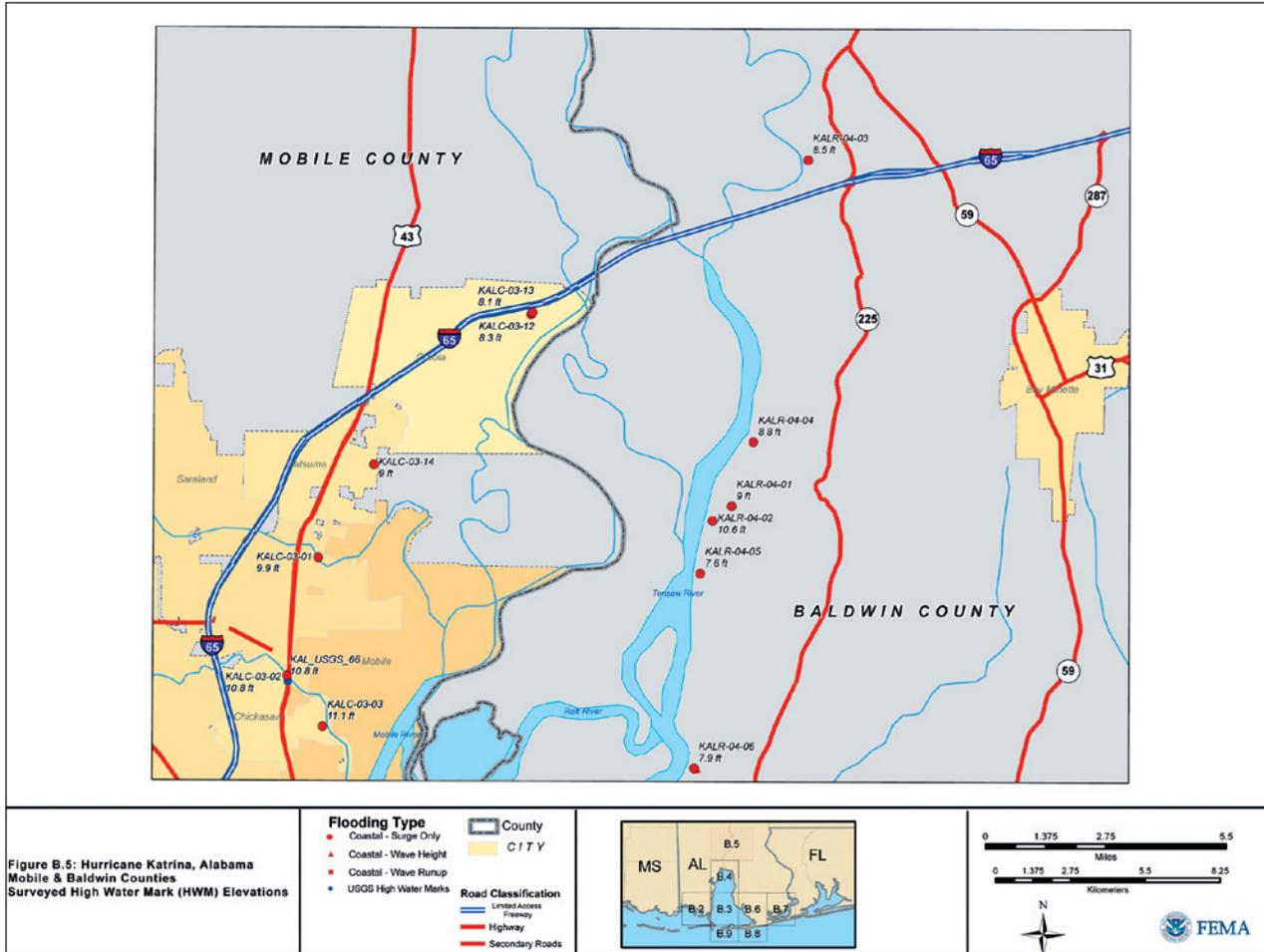
County

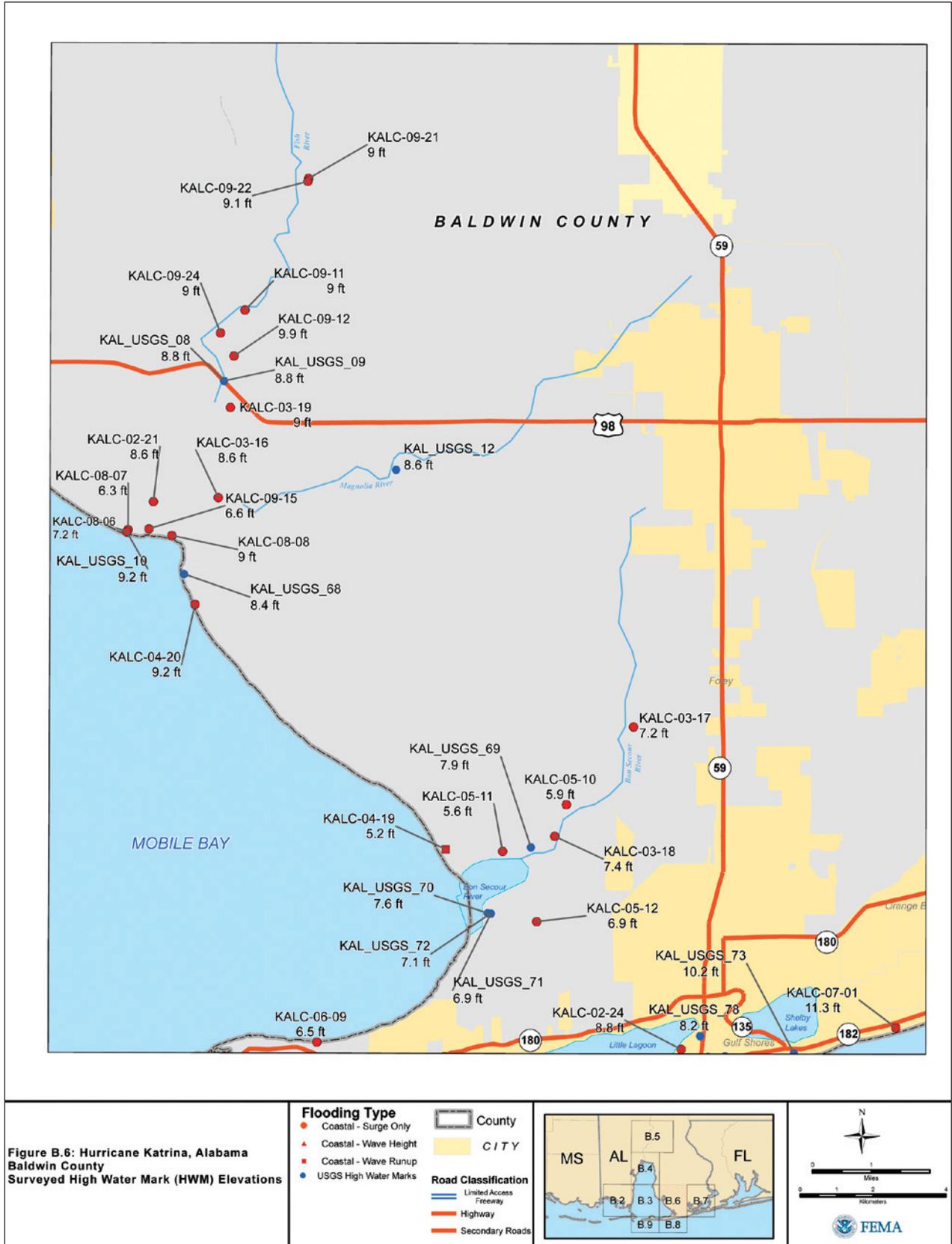
CITY



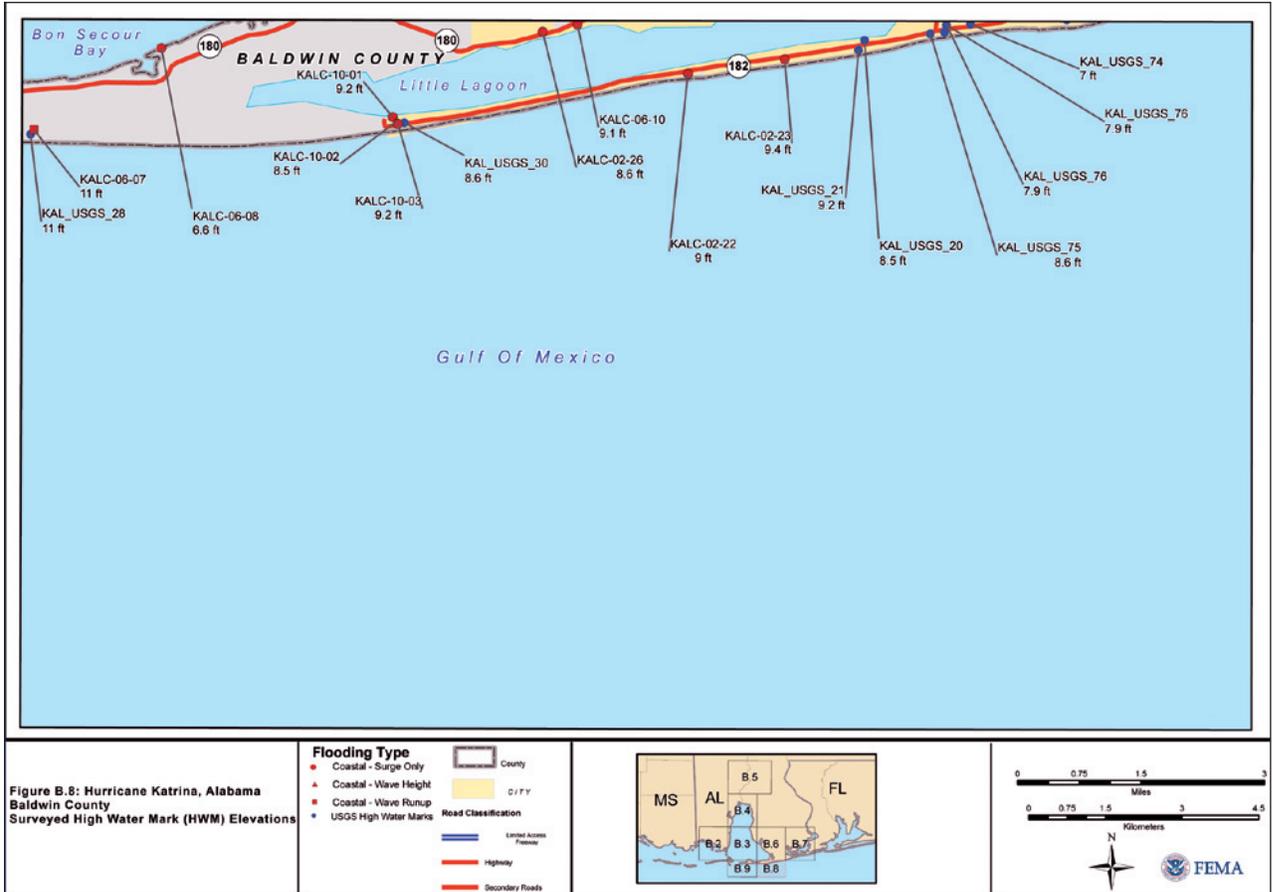
North arrow and scale bar (0 to 4 miles / 0 to 4 kilometers).

FEMA logo

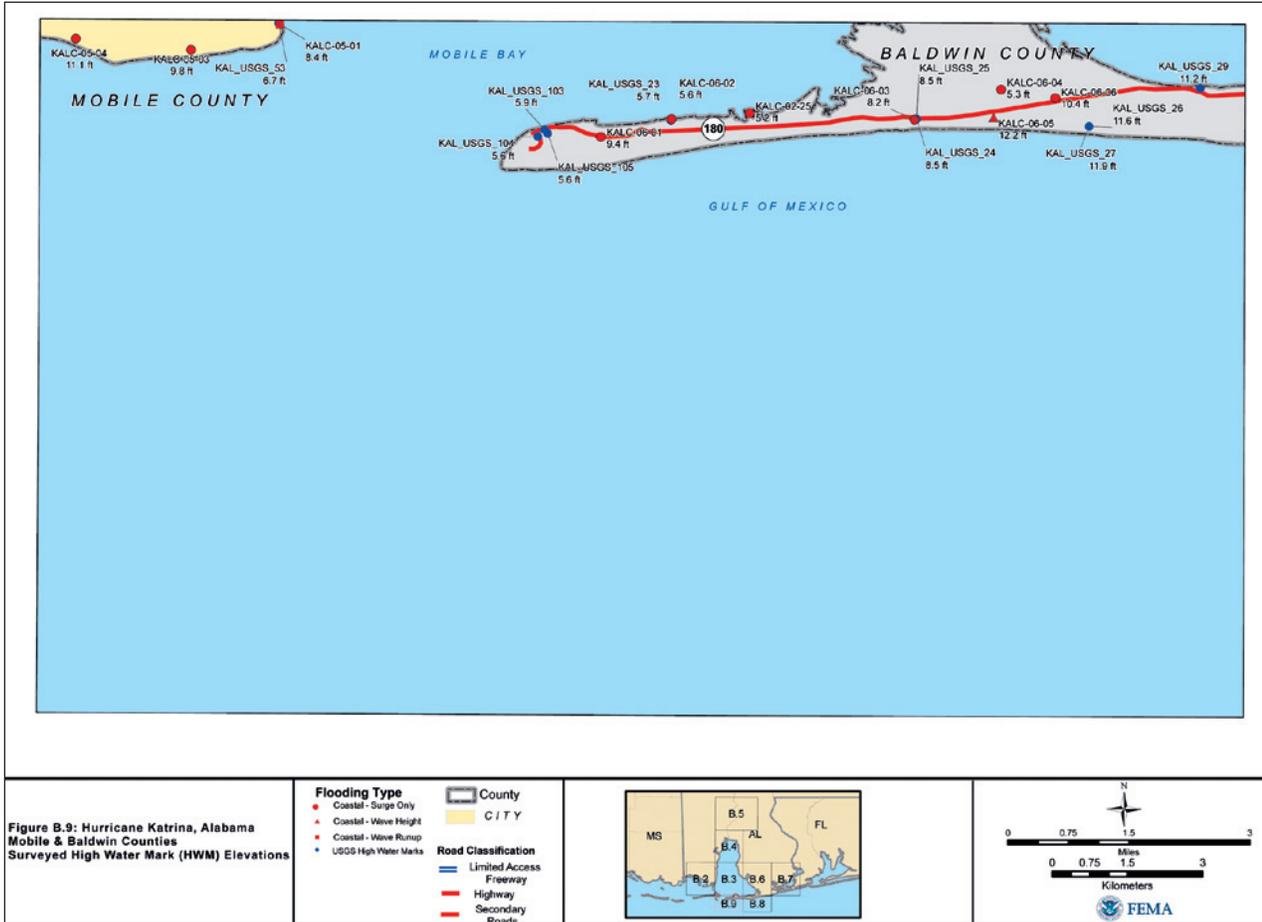




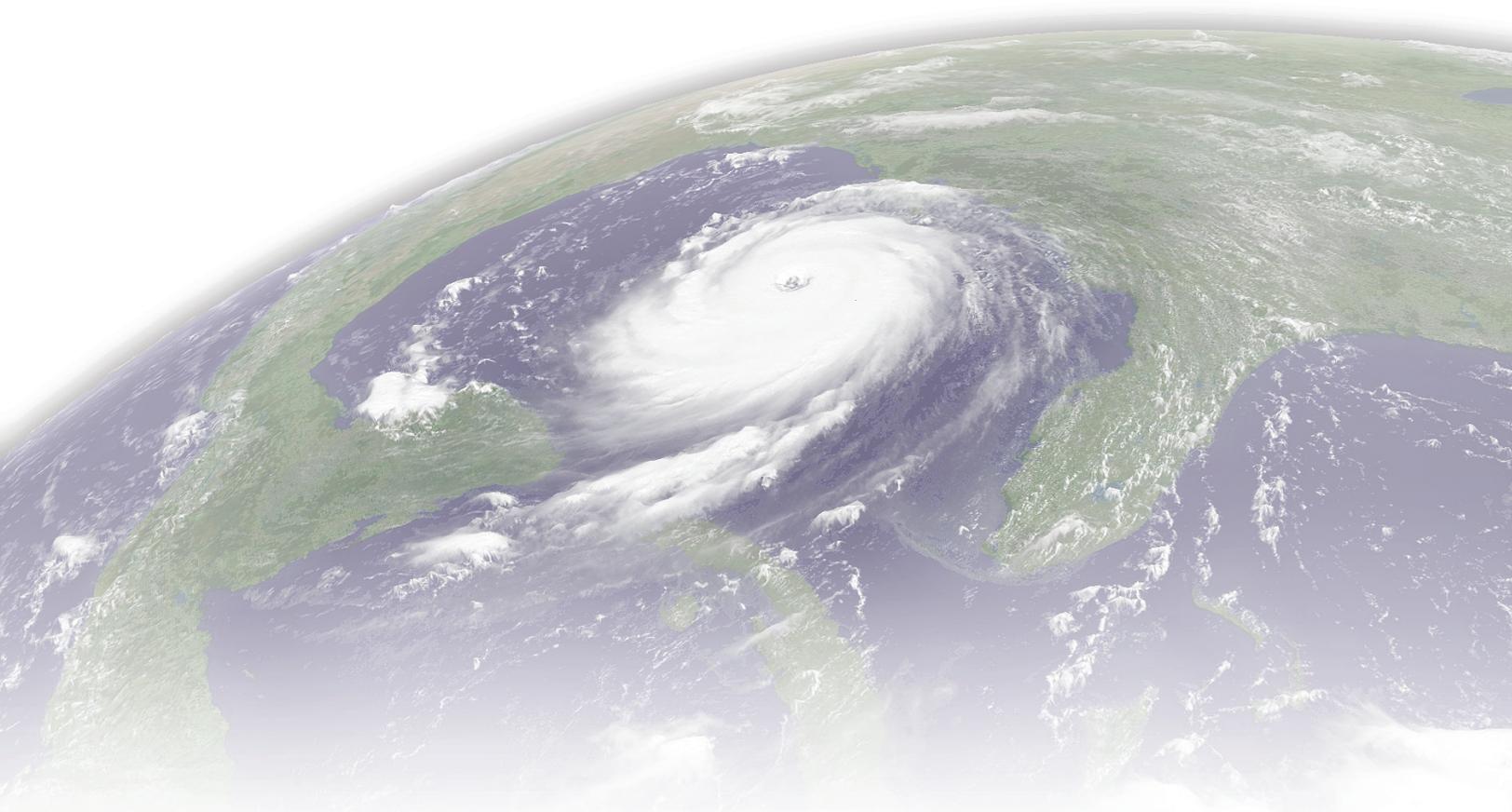


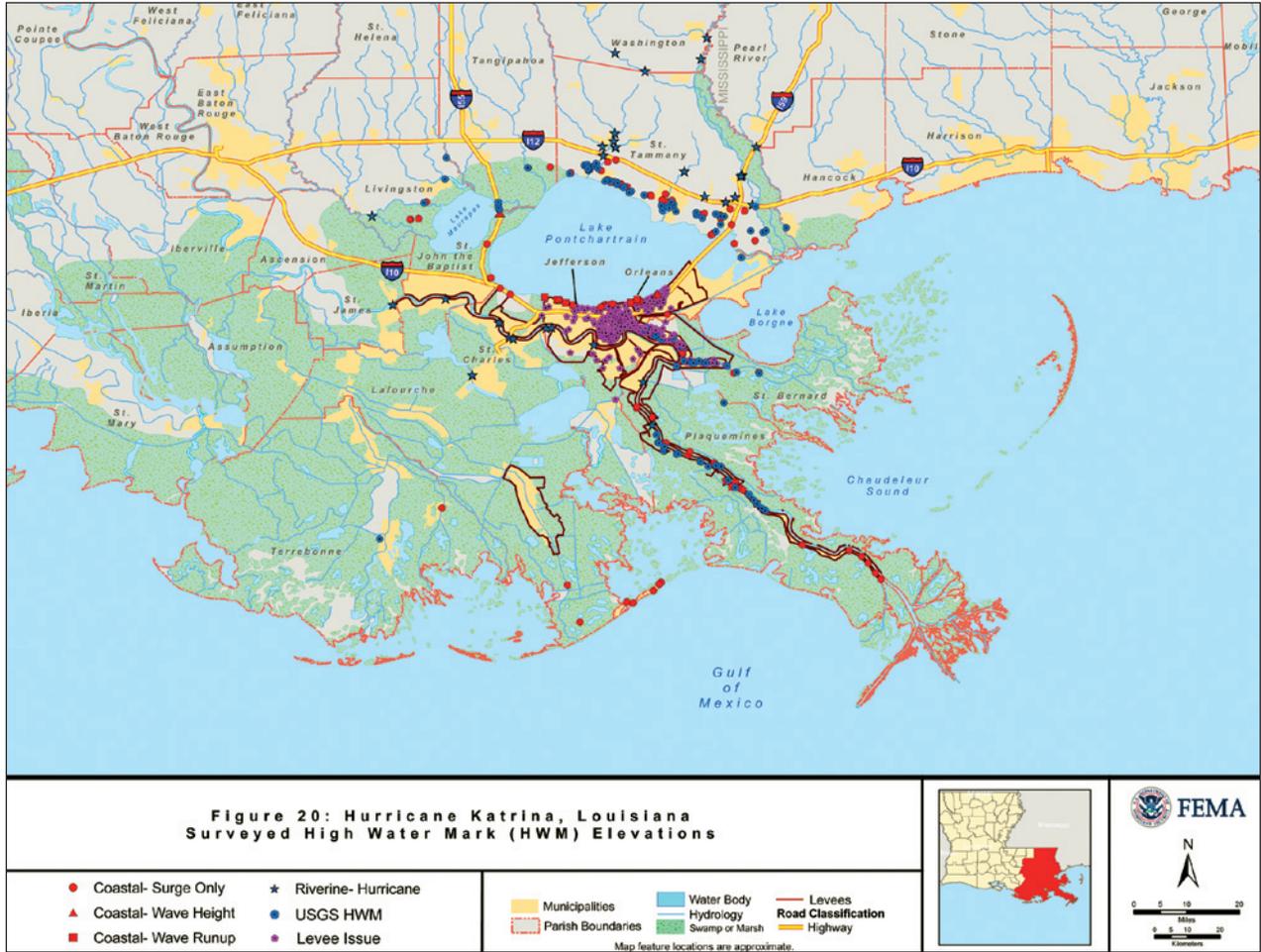


F HIGH WATER MARKS



High Water Marks in Louisiana





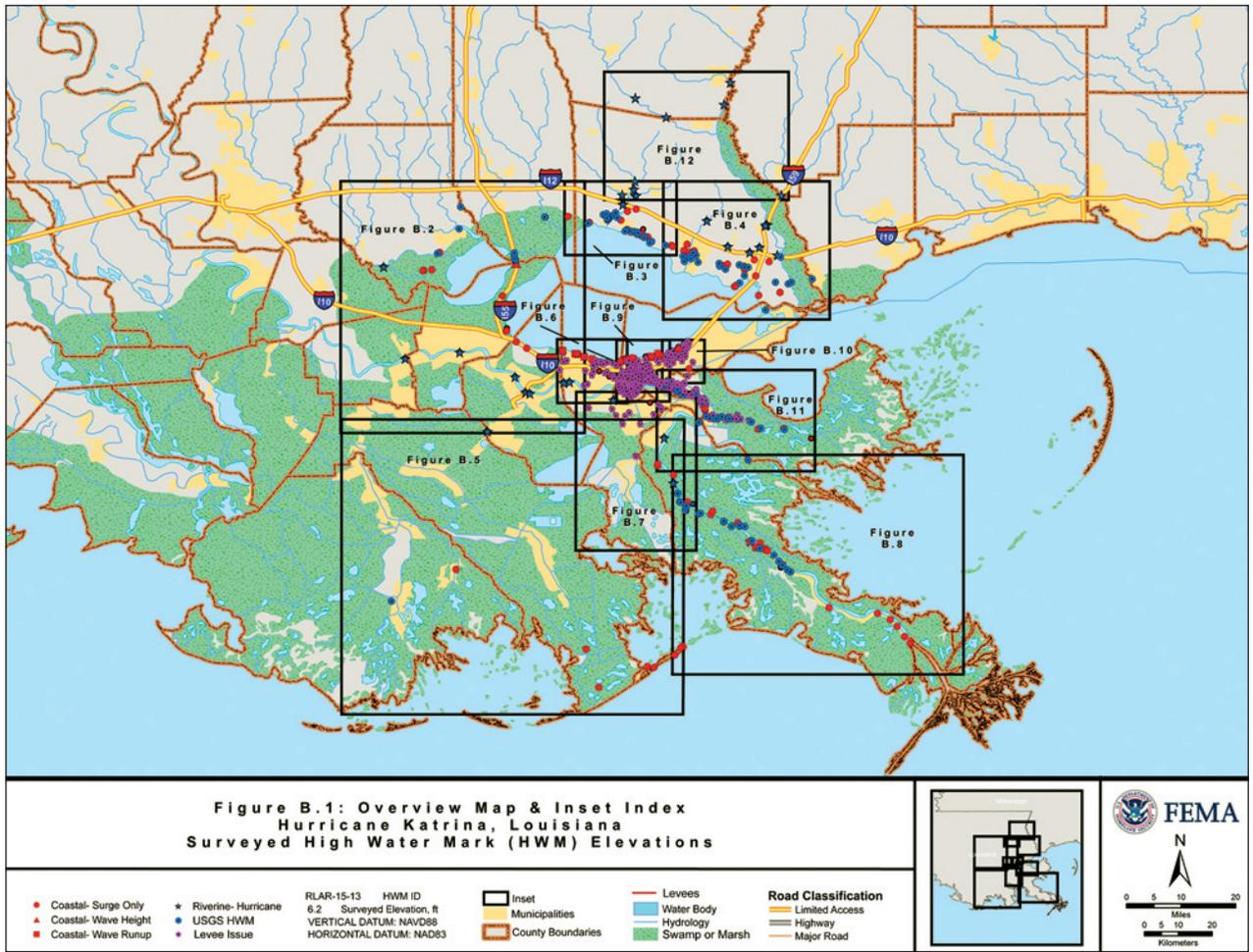
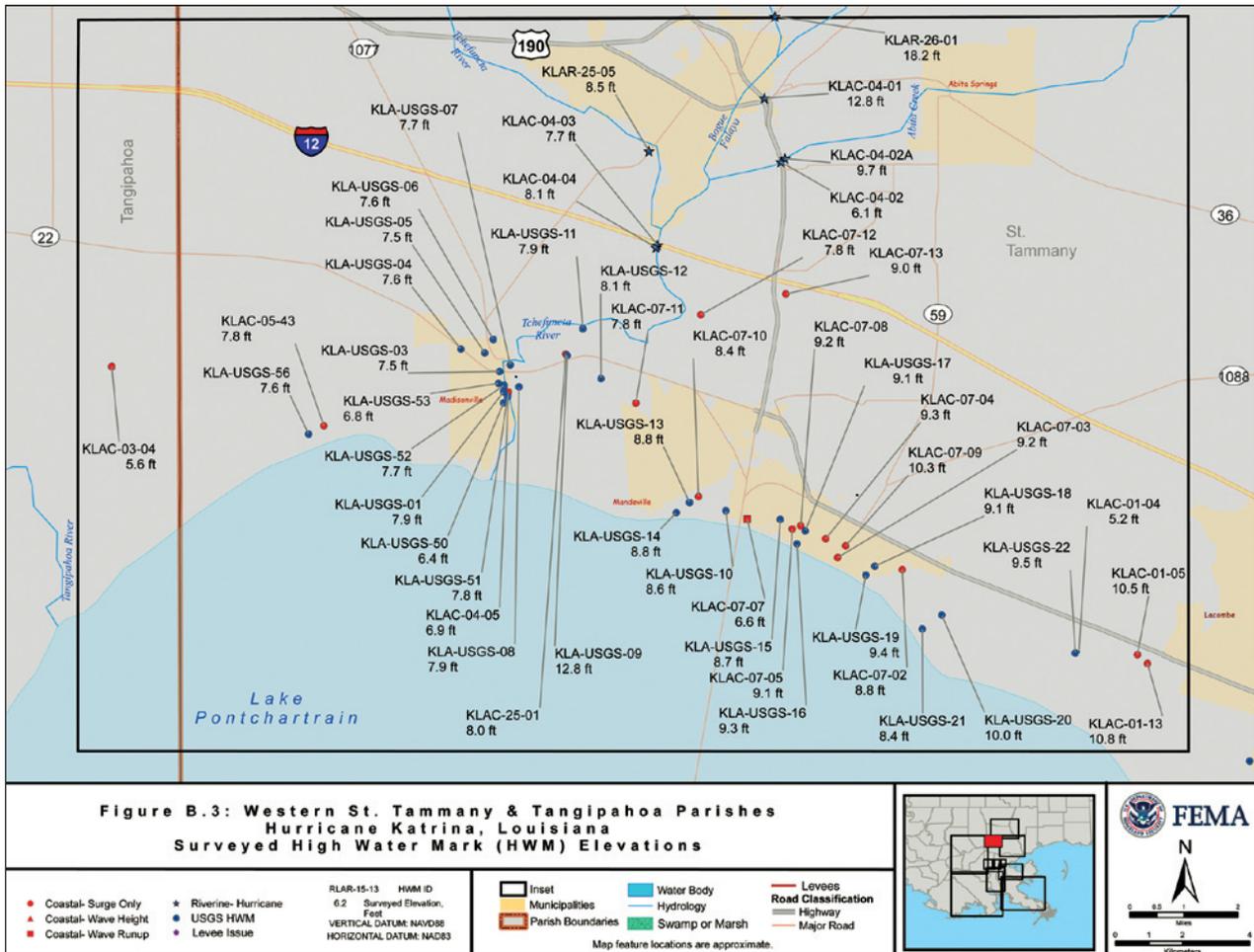
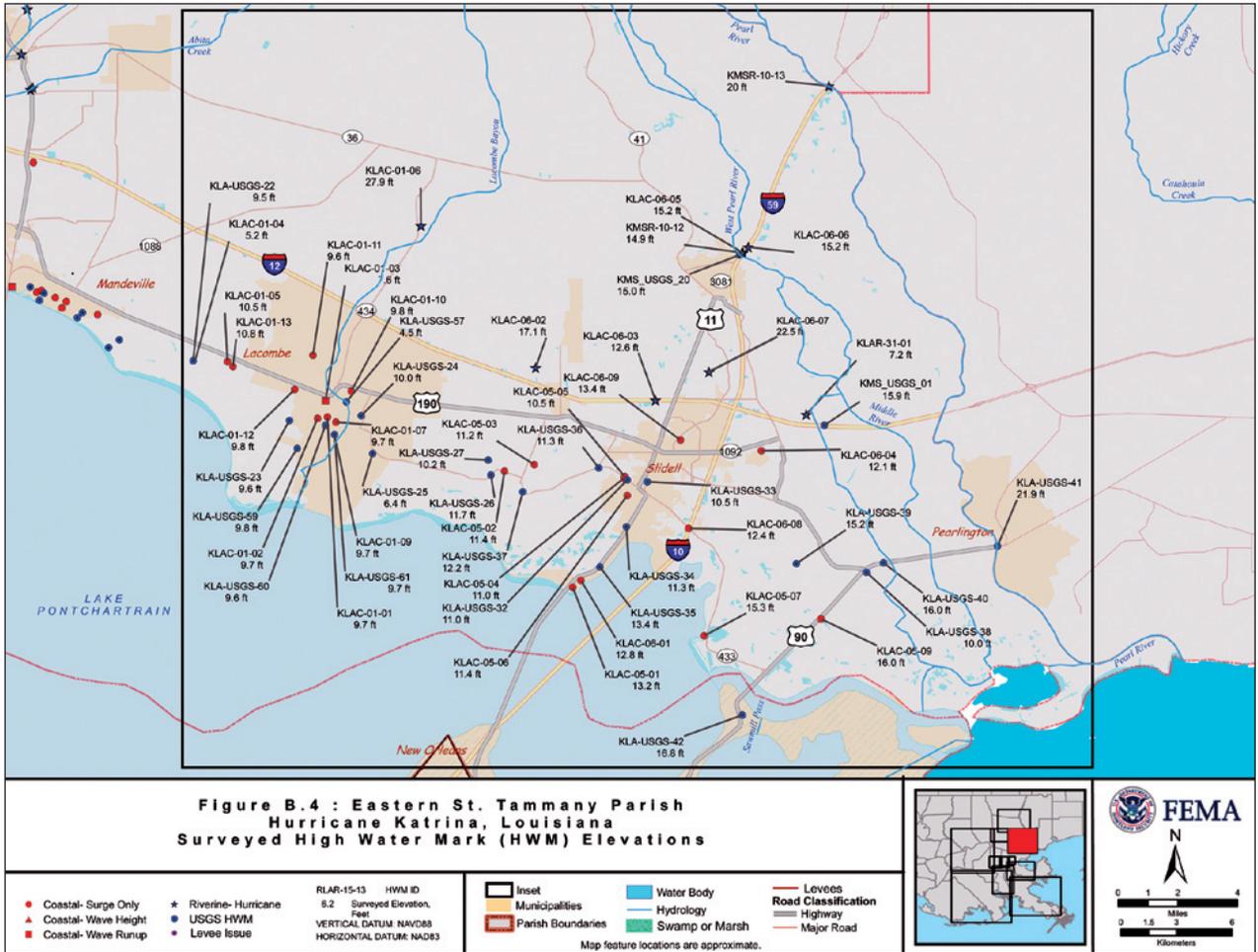




Figure B.2: Livingston, Tangipahoa, Ascension, St. John the Baptist, St. James, St. Charles & Jefferson Parishes Hurricane Katrina, Louisiana Surveyed High Water Mark (HWM) Elevations

RLAR-15-13 HWM ID 6.2 Surveyed Elevation, ft ● Coastal- Surge Only ▲ Coastal- Wave Height ■ Coastal- Wave Runup	VERTICAL DATUM: NAVD88 HORIZONTAL DATUM: NAD83 ★ Riverine- Hurricane ● USGS HWM * Levee Issue	Hydrology Levees Inset Municipalities Parish Boundaries Water Body Swamp or Marsh Road Classification Highway Major Road Map feature locations are approximate.	  
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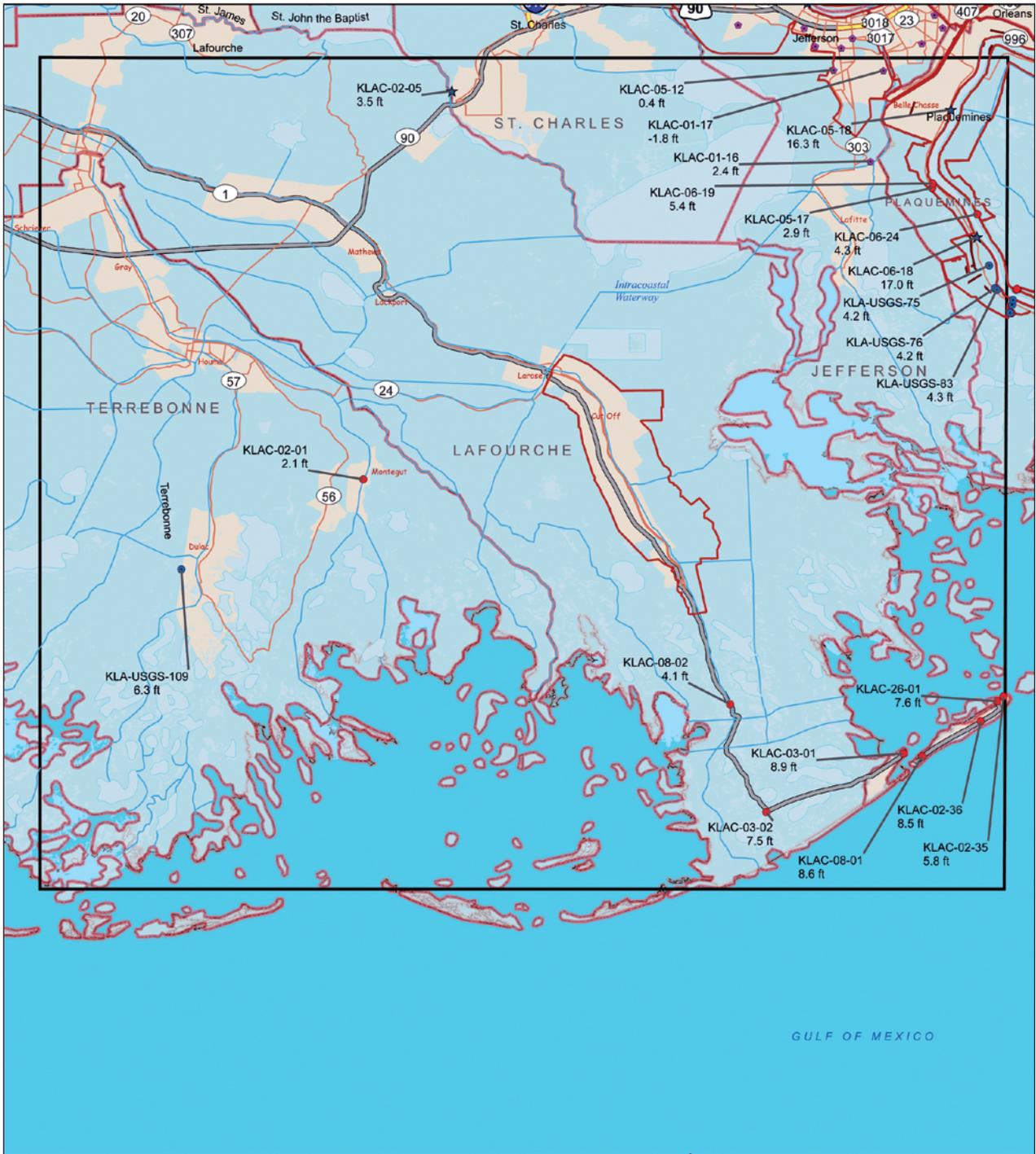


Figure B.5: Terrebonne & Lafourche Parishes Hurricane Katrina, Louisiana Surveyed High Water Mark (HWM) Elevations

<p>RLAR-15-13 HWM ID VERTICAL DATUM: NAVD88 6.2 Surveyed Elevation, ft HORIZONTAL DATUM: NAD83</p> <p>● Coastal- Surge Only ★ Riverine- Hurricane ▲ Coastal- Wave Height ● USGS HWM ■ Coastal- Wave Runup ● Levee Issue</p>	<p>— Hydrology — Levees — Inset — Municipalities — Parish Boundaries</p> <p>— Water Body — Swamp or Marsh Road Classification — Highway — Major Road</p> <p>Map feature locations are approximate.</p>		
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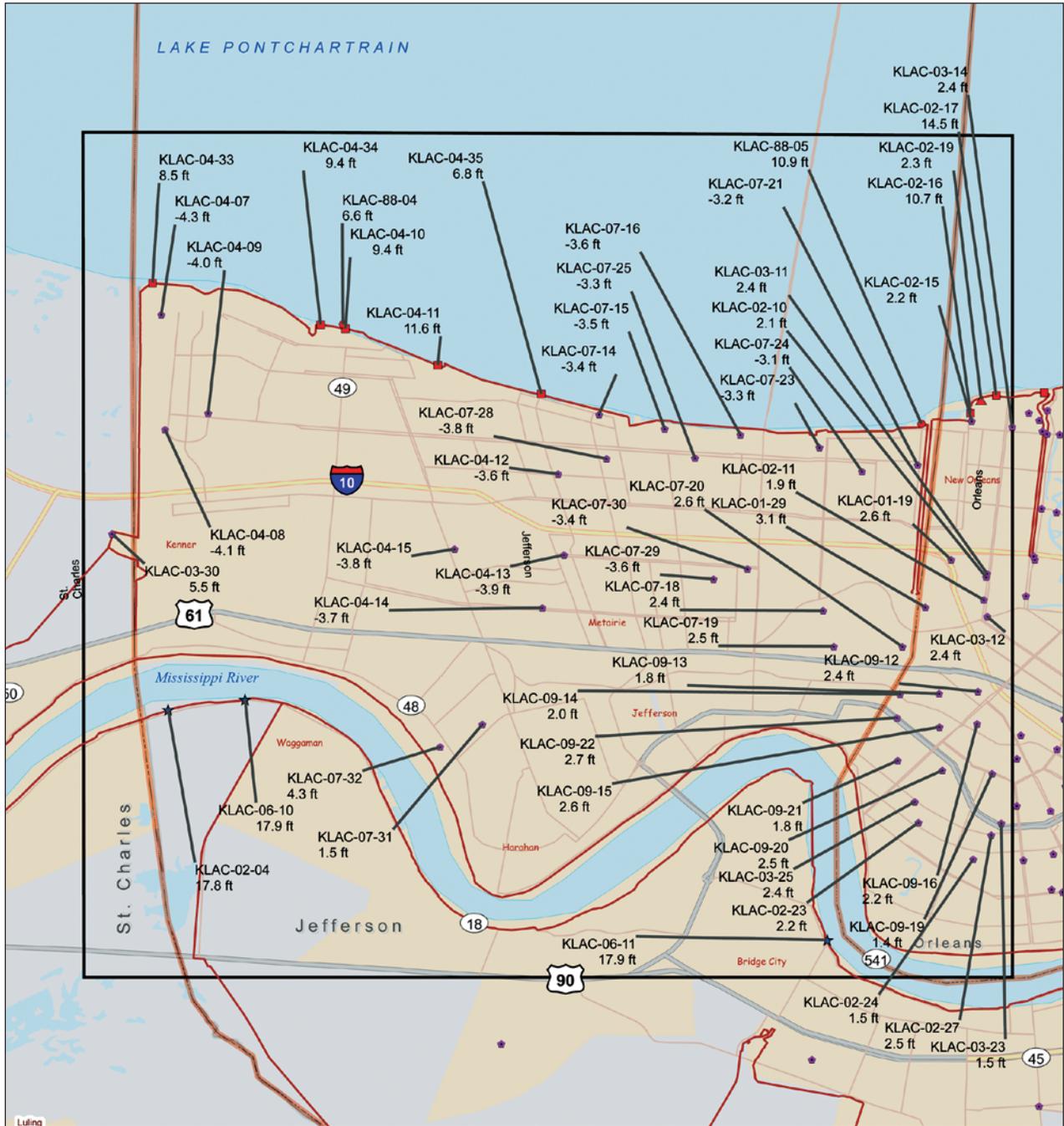
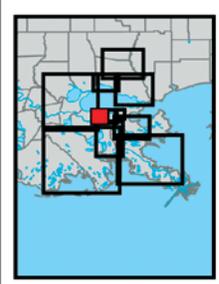


Figure B.6: St. Charles, Jefferson & Orleans Parishes Surveyed Hurricane Katrina, Louisiana High Water Mark (HWM) Elevations

RLAR-15-13 6.2 Surveyed Elevation, ft ● Coastal-Surge Only ▲ Coastal-Wave Height ■ Coastal-Wave Runup	HWM ID * Riverine- Hurricane ● USGS HWM ● Levee Issue	VERTICAL DATUM: NAVD88 HORIZONTAL DATUM: NAD83	— Hydrology — Levees □ Inset ■ Municipalities □ Parish Boundaries	■ Water Body ■ Swamp or Marsh — Road Classification — Highway — Major Road
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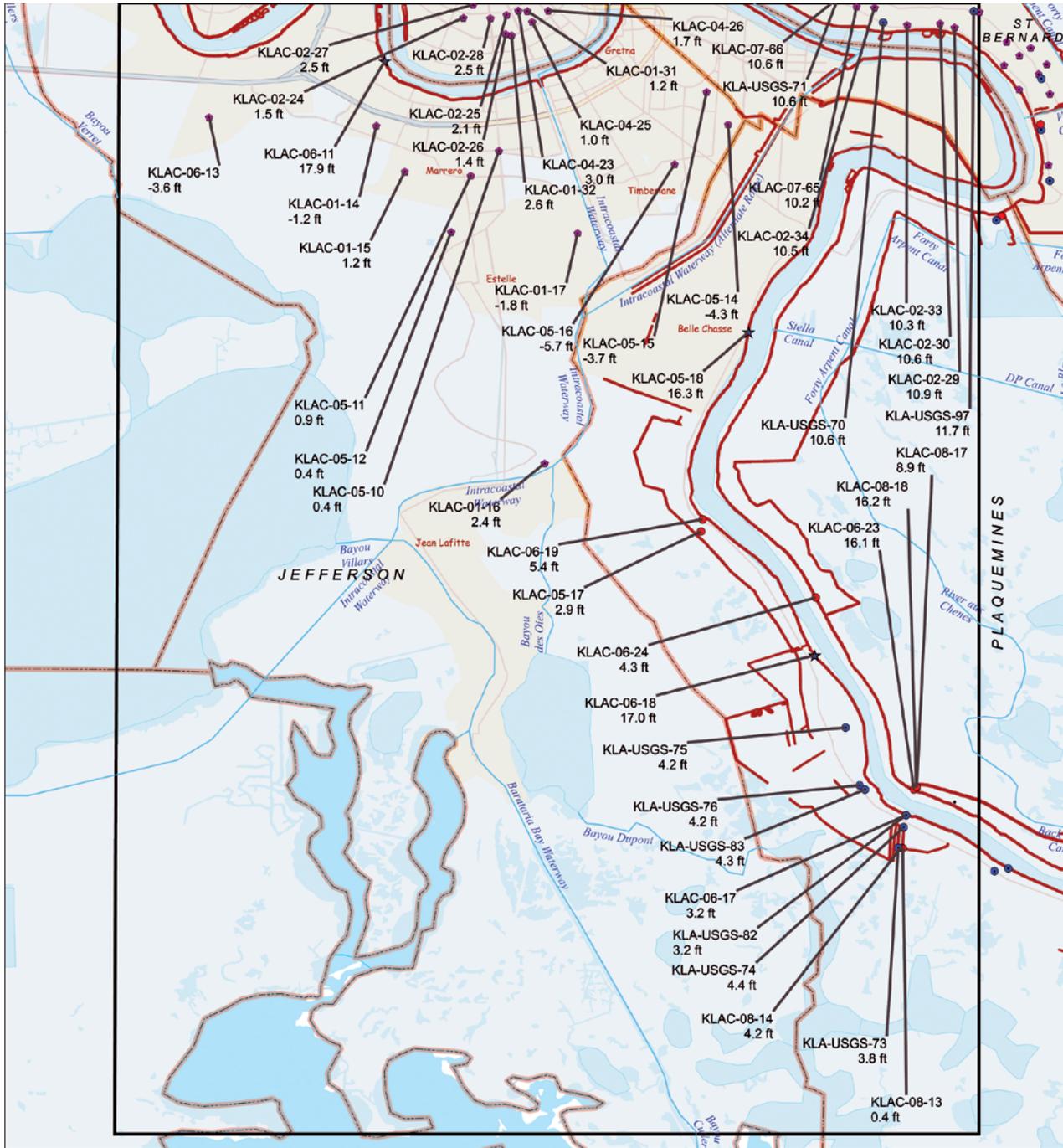
Map feature locations are approximate.



FEMA

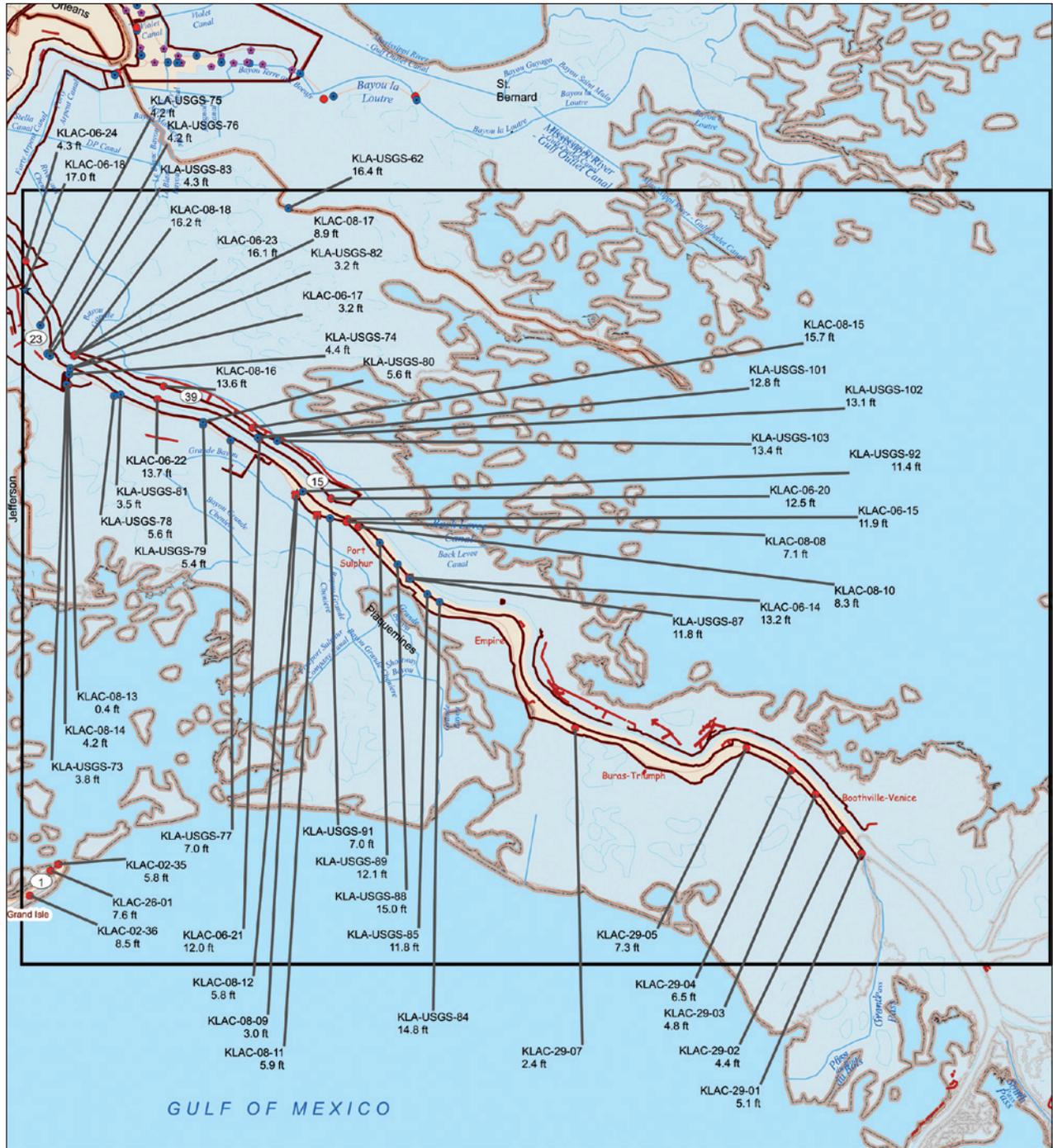
0 0.5 1 2
Kilometers

0 0.5 1 2
Miles



**Figure B.7: Jefferson & Plaquemines Parishes
Hurricane Katrina, Louisiana
Surveyed High Water Mark (HWM) Elevations**

<p>RLAR-15-13 HWM ID 6.2 Surveyed Elevation, ft</p> <ul style="list-style-type: none"> ● Coastal- Surge Only ▲ Coastal- Wave Height ■ Coastal- Wave Runup 	<p>VERTICAL DATUM: NAVD88 HORIZONTAL DATUM: NAD83</p> <ul style="list-style-type: none"> * Riverine- Hurricane ● USGS HWM ● Levee Issue 	<p>Hydrology</p> <ul style="list-style-type: none"> Levees Inset Municipalities Parish Boundaries <p>Road Classification</p> <ul style="list-style-type: none"> Highway Major Road <p>Man feature locations are approximate</p>	<p>Water Body</p> <ul style="list-style-type: none"> Swamp or Marsh 		<p>FEMA</p> <p>N</p> <p>0 1.5 3 6 Kilometers</p> <p>0 1 2 4 Miles</p>
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**Figure B.8: Plaquemines Parish, Louisiana
Hurricane Katrina, Louisiana
Surveyed High Water Mark (HWM) Elevations**

RLAR-15-13 HWM ID
6.2 Surveyed Elevation, ft

● Coastal - Surge Only
▲ Coastal - Wave Height
■ Coastal - Wave Runup

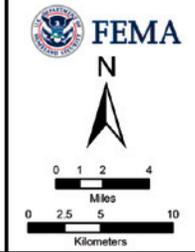
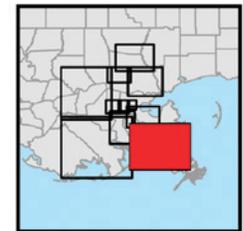
HORIZONTAL DATUM: NAD83
VERTICAL DATUM: NAVD88

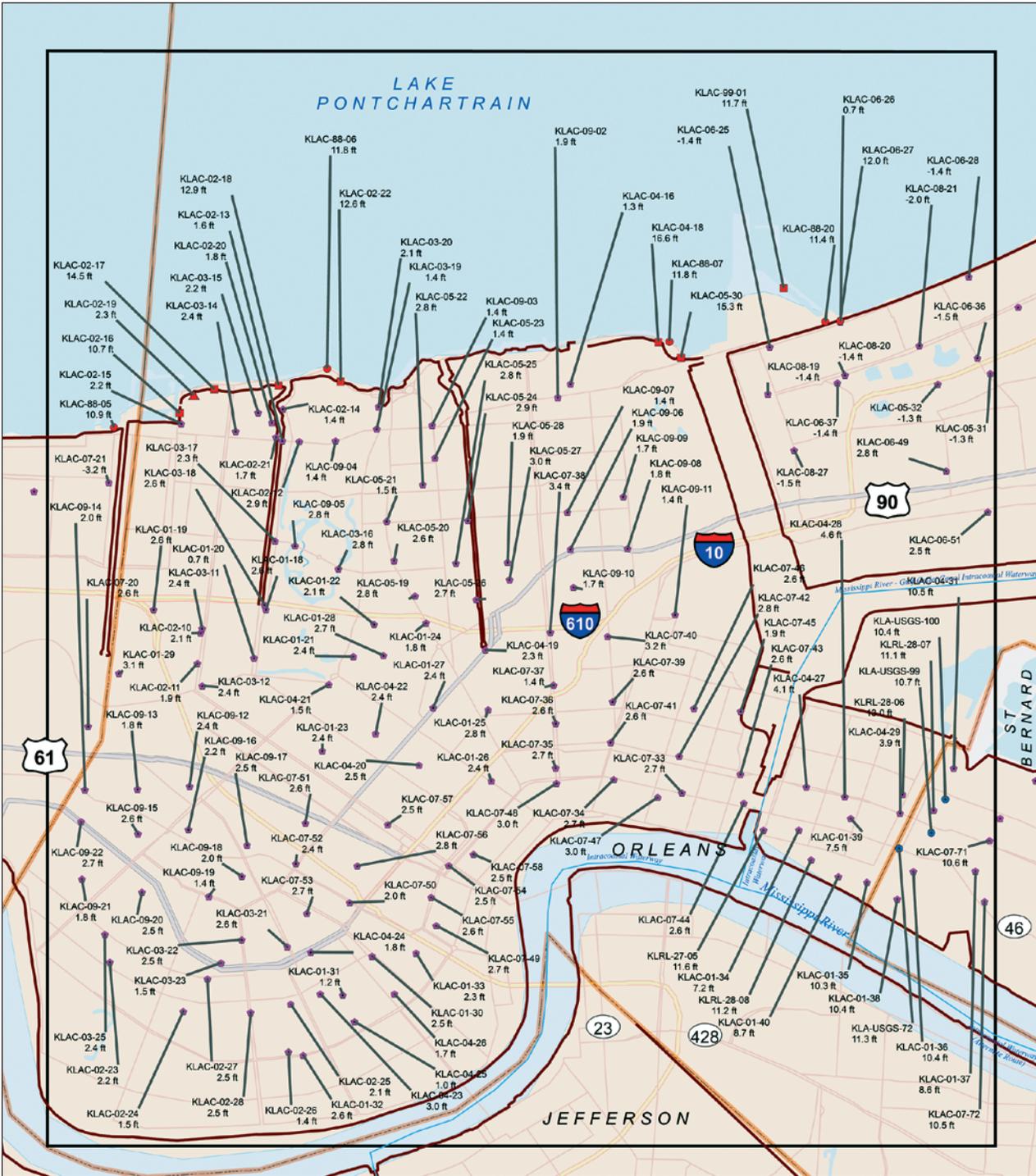
○ Riverine - Hurricane
● USGS HWM
● Levee Issue

— Hydrology
— Levees
— Inset
— Municipalities
— Parish Boundaries

Water Body
Swamp or Marsh
Road Classification
— Highway
— Major Road

Map feature locations are approximate.

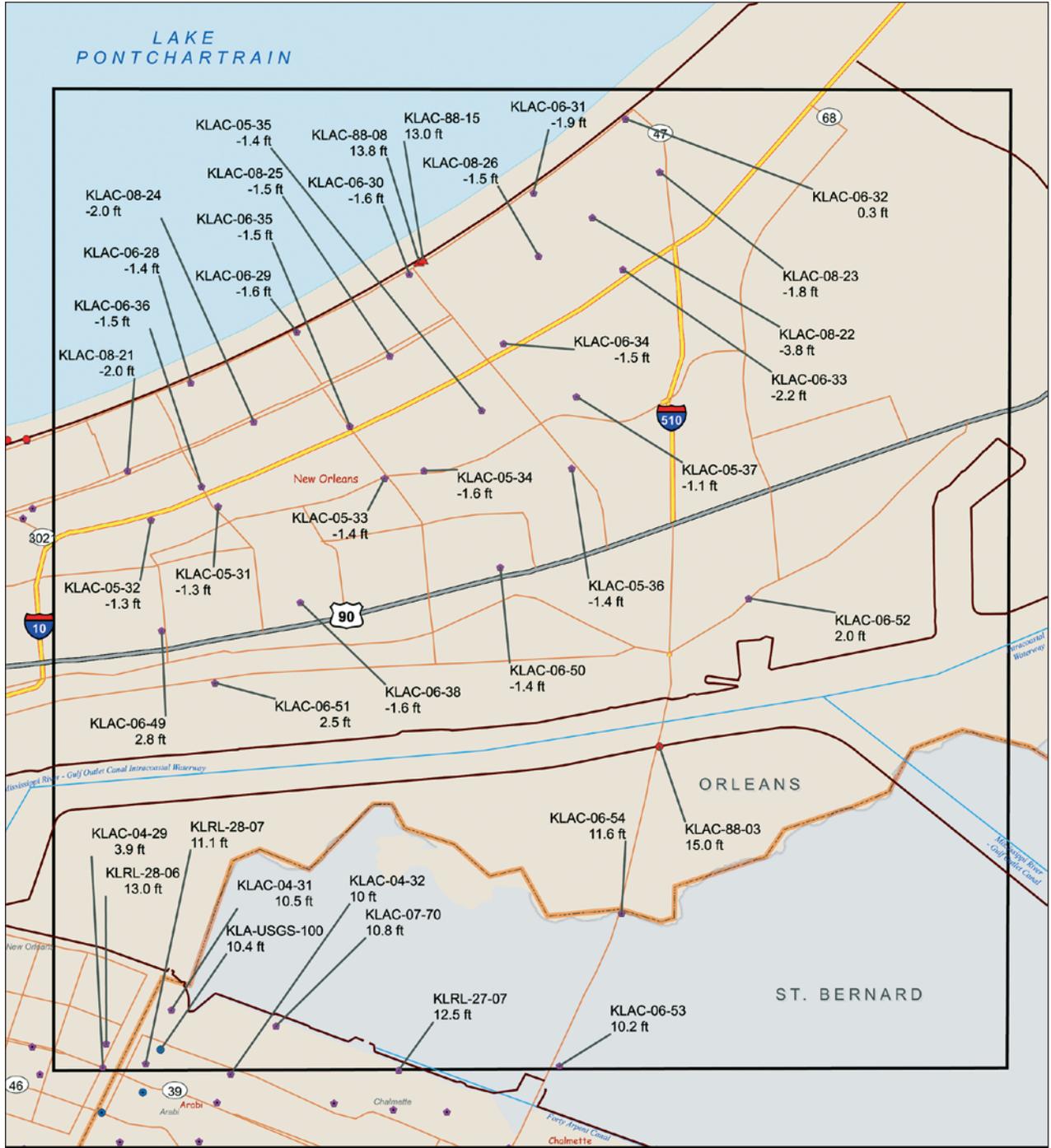




**Figure B.9: Orleans, Jefferson, & St. Bernard Parishes
Hurricane Katrina, Louisiana
Surveyed High Water Mark (HWM) Elevations**

RLAR-15-13 HWM ID 6.2 Surveyed Elevation, ft ● Coastal- Surge Only ▲ Coastal- Wave Height ■ Coastal- Wave Runup	VERTICAL DATUM: NAVD88 HORIZONTAL DATUM: NAD83 ★ Riverine- Hurricane ☆ USGS HWM ● Levee Issue	— Levees — Hydrology □ Inset — Municipalities — Parish Boundaries — Water Body — Swamp or Marsh — Road Classification — Highway — Major Road	FEMA N 0 0.25 0.5 1 0 0.5 1 2 Miles Kilometers
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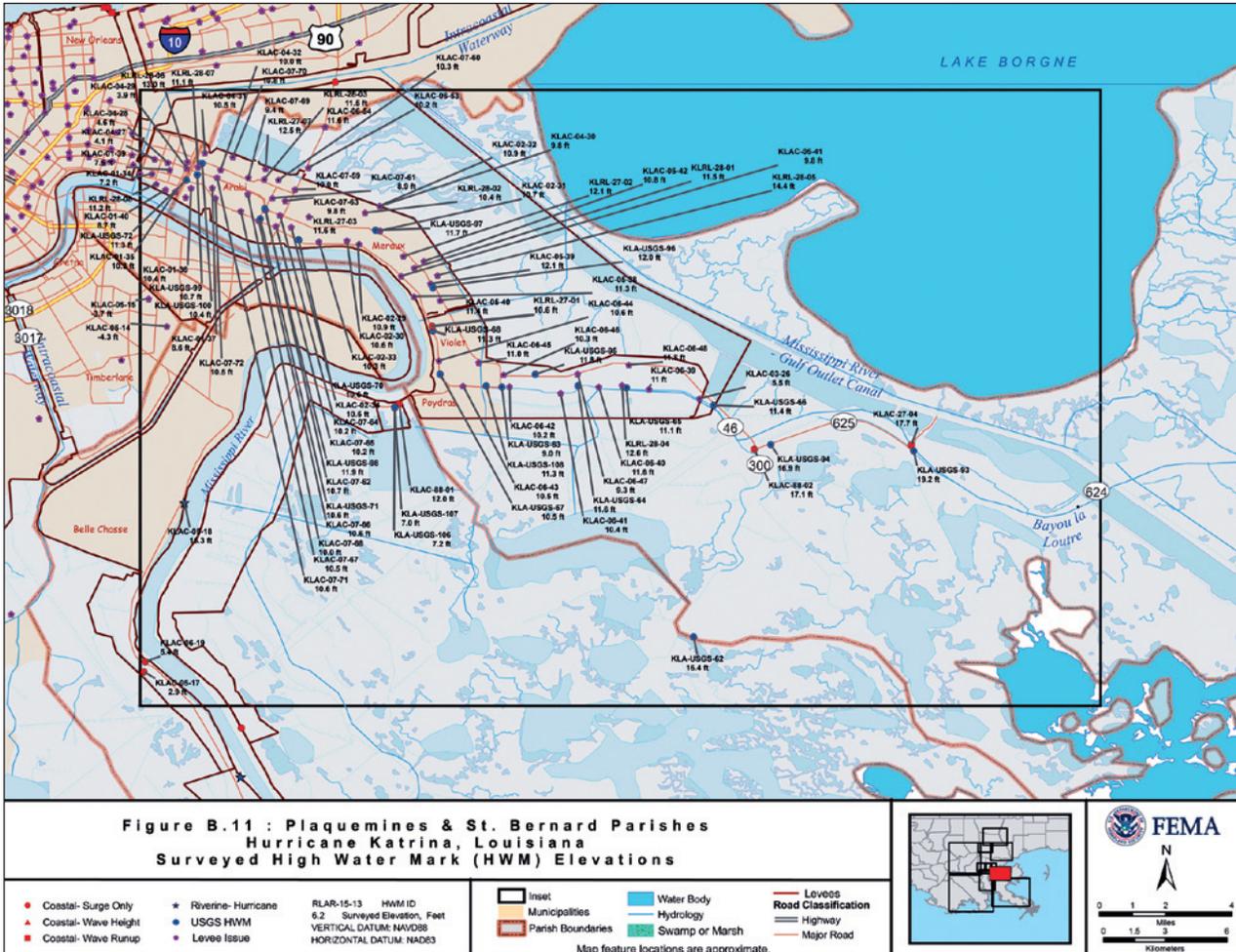
Map feature locations are approximate.

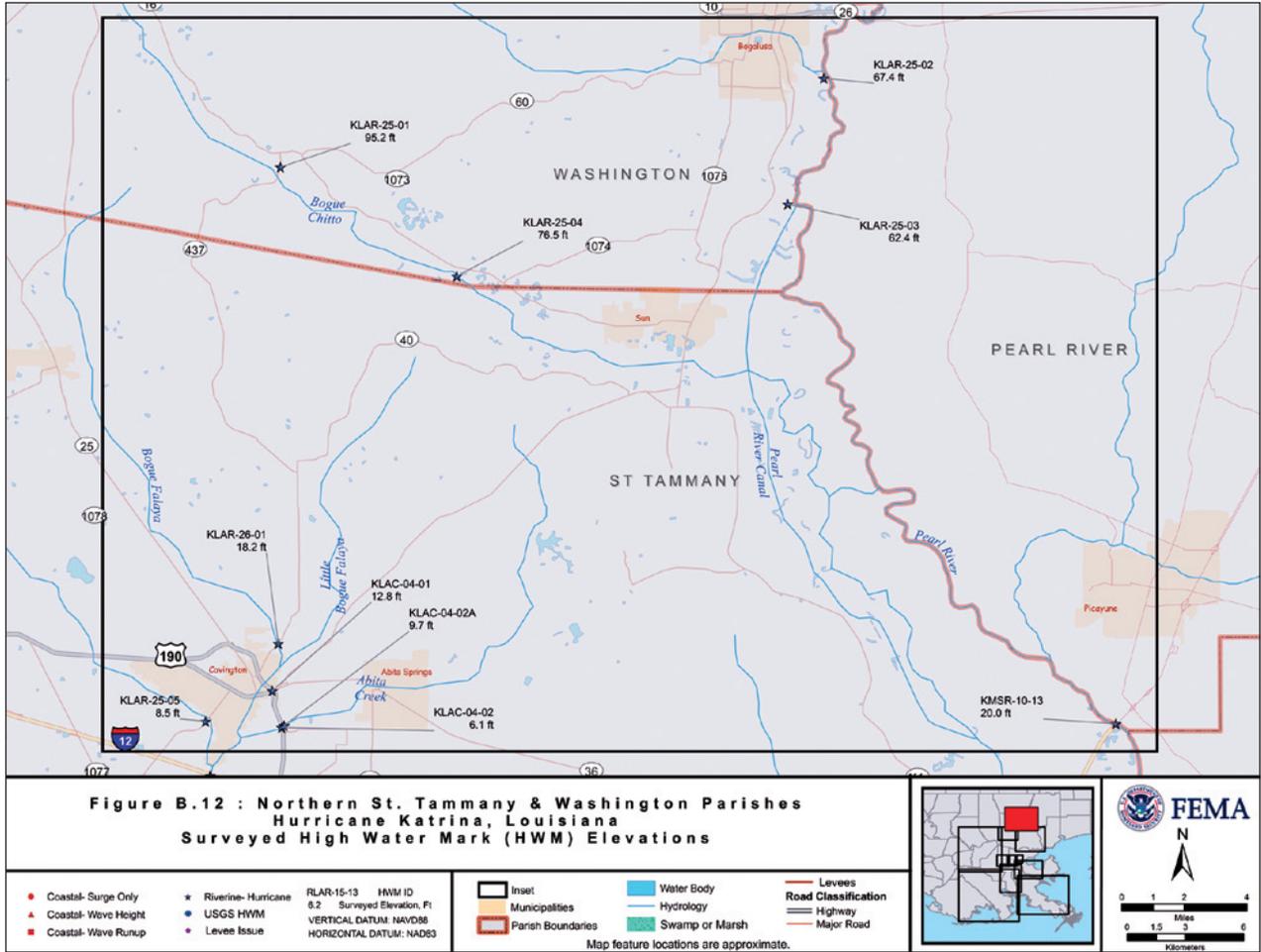


**Figure B.10: Eastern Orleans & St. Bernard Parishes
Hurricane Katrina, Louisiana
Surveyed High Water Mark (HWM) Elevations**

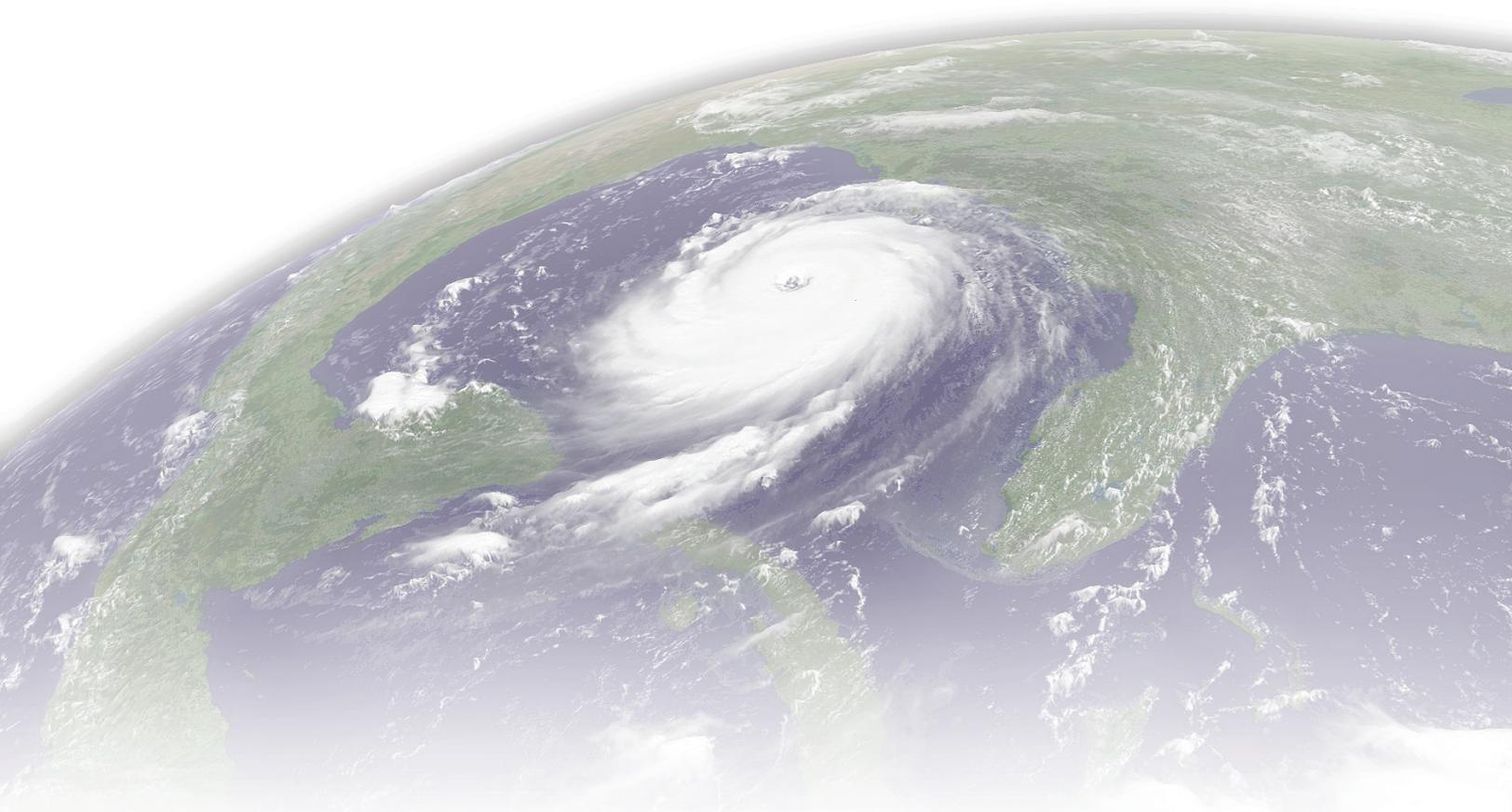
<p>RLAR-15-13 HWM ID 6.2 Surveyed Elevation, ft</p> <p>● Coastal-Surge Only ▲ Coastal-Wave Height ■ Coastal-Wave Runup</p>	<p>VERTICAL DATUM: NAVD88 HORIZONTAL DATUM: NAD83</p> <p>★ Riverine- Hurricane ● USGS HWM ● Levee Issue</p>	<p>— Levees — Hydrology — Inset — Municipalities — Parish Boundaries</p> <p>— Water Body — Swamp or Marsh</p> <p>Road Classification — Highway — Major Road</p> <p>Map feature locations are approximate.</p>		
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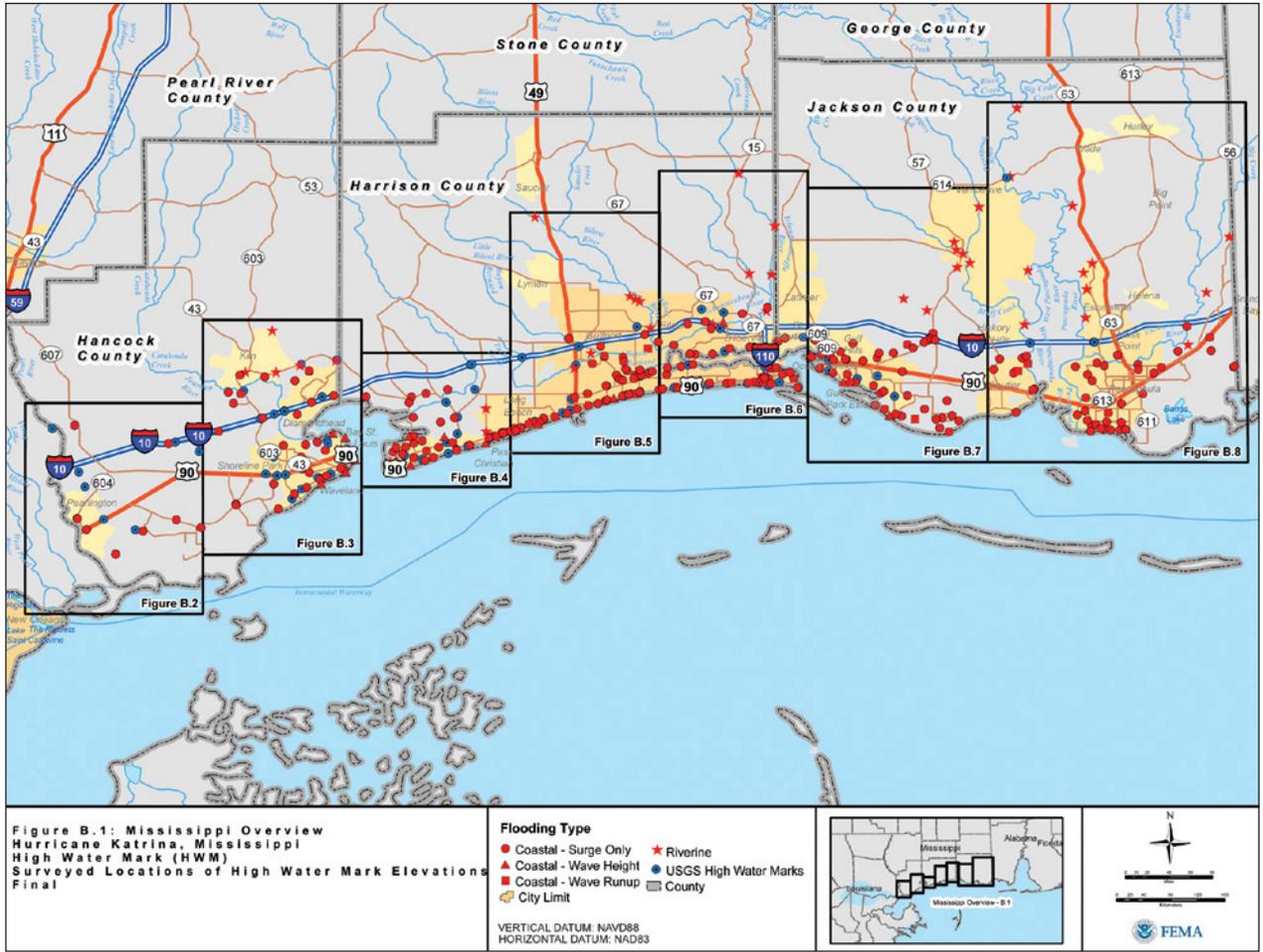
F HIGH WATER MARKS





High Water Marks in Mississippi



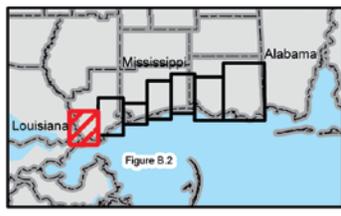


F HIGH WATER MARKS



Figure: B.2
Hancock County, Mississippi
Hurricane Katrina
High Water Mark (HWM)
Surveyed Locations of High Water Mark Elevations
Final

<p>Flooding Type</p> <ul style="list-style-type: none"> ● Coastal - Surge Only ▲ Coastal - Wave Height ■ Coastal - Wave Runup ★ Riverine ● USGS High Water Marks 🏠 City Limit ▭ County 	<p>VERTICAL DATUM: NAVD88 HORIZONTAL DATUM: NAD83</p>
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N

0 0.25 0.5 1 1.5 2
Miles

0 0.375 0.75 1.5 2.25 3
Kilometers



Figure: B.3
Hancock County, Mississippi
Hurricane Katrina
High Water Mark (HWM)
Surveyed Locations of High Water Mark Elevations
Final

Flooding Type

- Coastal - Surge Only
- ▲ Coastal - Wave Height
- Coastal - Wave Runup
- ★ Riverine
- USGS High Water Marks
- 🏠 City Limit
- ▭ County

VERTICAL DATUM: NAVD88
 HORIZONTAL DATUM: NAD83

N

0 0.25 0.5 1 1.5 Miles
 0 0.375 0.75 1.5 2.25 Kilometers

F HIGH WATER MARKS

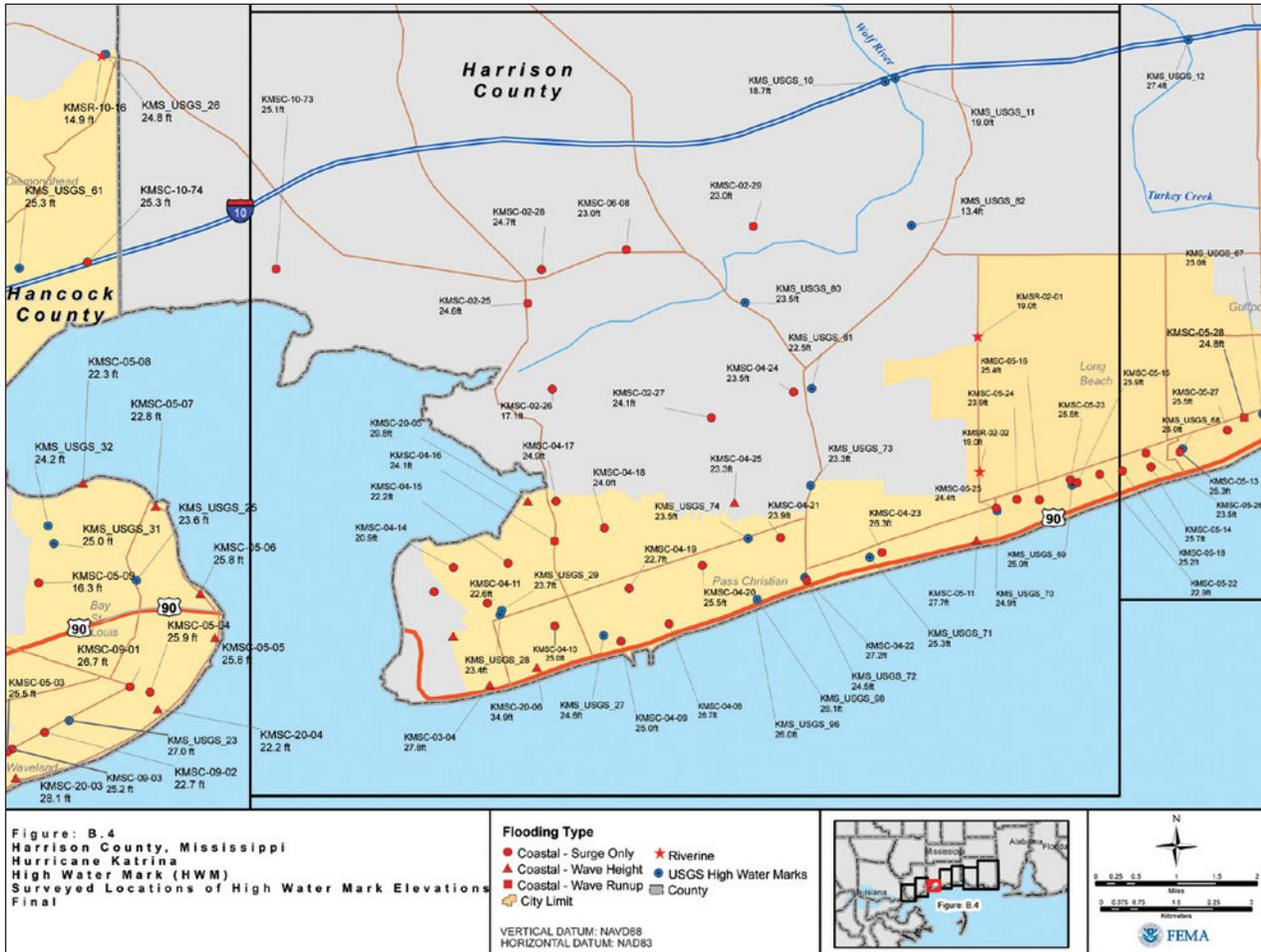


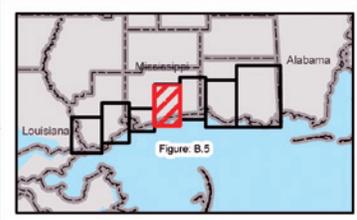


Figure: B.5
Harrison County, Mississippi
Hurricane Katrina
High Water Mark (HWM)
Surveyed Locations of High Water Mark Elevations
Final

Flooding Type

- Coastal - Surge Only
- ▲ Coastal - Wave Height
- Coastal - Wave Runup
- ★ Riverine
- USGS High Water Marks
- 🏠 City Limit
- 🗺️ County

VERTICAL DATUM: NAVD88
 HORIZONTAL DATUM: NAD83



0 0.25 0.5 1 1.5 2

Miles

0 0.375 0.75 1.5 2.25 3

Kilometers

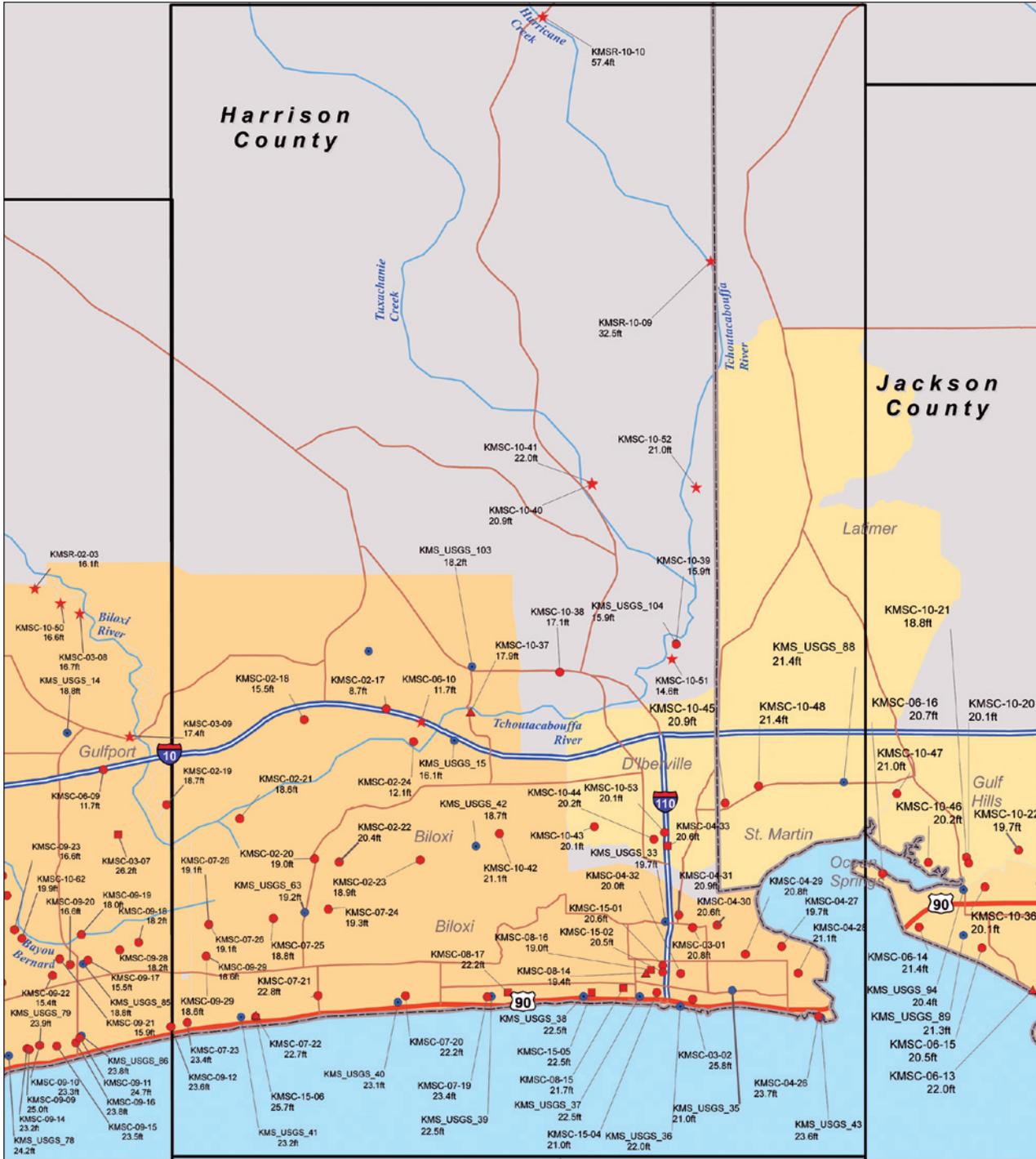
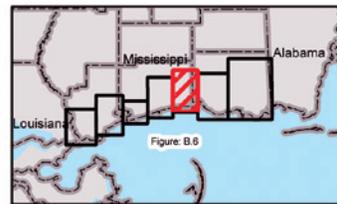


Figure B.6
Harrison County, Mississippi
Hurricane Katrina
High Water Mark (HWM)
Surveyed Locations of High Water Mark Elevations
Final

Flooding Type

- Coastal - Surge Only
- ▲ Coastal - Wave Height
- Coastal - Wave Runup
- ★ Riverine
- USGS High Water Marks
- ▭ City Limit
- ▭ County

VERTICAL DATUM: NAVD88
 HORIZONTAL DATUM: NAD83



N

0 0.250.5 1 1.5 2
 Miles

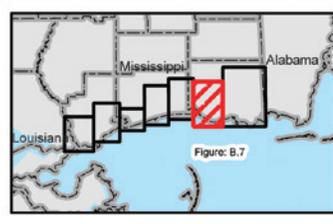
0 0.3750.75 1.5 2.25 3
 Kilometers



Figure: B.7
Jackson County, Mississippi
Hurricane Katrina
High Water Mark (HWM)
Surveyed Locations of High Water Mark Elevations
Final

Flooding Type
 ● Coastal - Surge Only ★ Riverine 🏠 City Limit
 ▲ Coastal - Wave Height ● USGS High Water Marks 🗺️ County
 ■ Coastal - Wave Runup

VERTICAL DATUM: NAVD88
 HORIZONTAL DATUM: NAD83



N

0 0.25 0.5 1 1.5 2
 Miles

0 0.205 0.26 0.5 1.0 2.0
 Kilometers

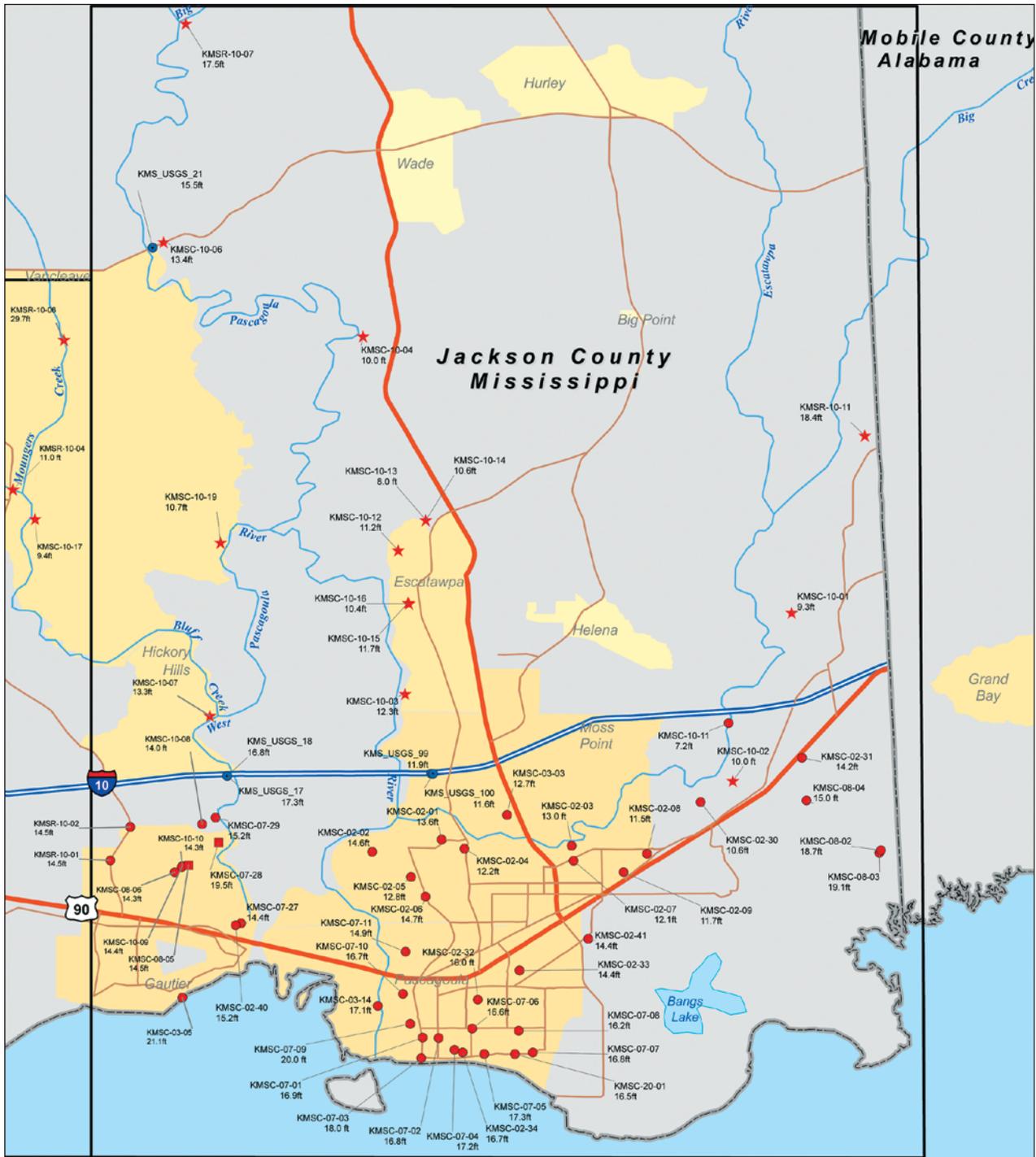
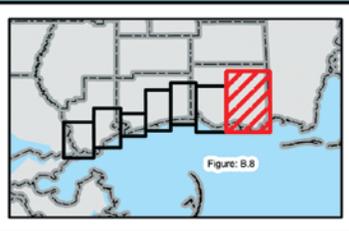


Figure: B.8
Jackson County, Mississippi
Hurricane Katrina
High Water Mark (HWM)
Surveyed Locations of High Water Mark Elevations Final

Flooding Type

- Coastal - Surge Only
- ▲ Coastal - Wave Height
- Coastal - Wave Runup
- ★ Riverine
- USGS High Water Marks
- ⬜ City Limit
- ⬜ County

VERTICAL DATUM: NAVD88
 HORIZONTAL DATUM: NAD83



N

0 0.25 0.5 1 1.5 2
 Miles

0 0.625 1.25 1.875 2.5
 Kilometers