Coastal South Carolina Hurricane Evacuation Restudy

Storm Surge Heights at Time History Points
in Feet Above National Geodetic Vertical Datum (NGVD), 1929

△ Point	Basin	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
S32	Savannah	10	15	20	23	26
S33	Savannah	10	14	19	22	25
S1	Savannah	6	11	17	22	27
S31	Savannah	11	15	20	22	26
S5	Savannah		9	15	20	24
S4	Savannah	6	13	17	23	27
S50	Savannah	9	17	23	27	31
S49	Savannah	9	16	22	27	32
S3	Savannah			17	24	27
S2	Savannah	7	12	17	21	26
S60	Savannah	11	16	21	25	29
S61	Savannah	11	16	21	25	29

Notes:

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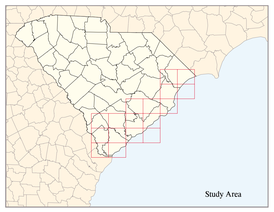

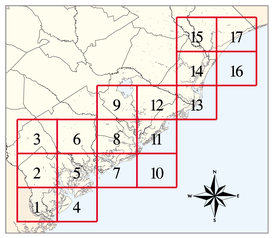

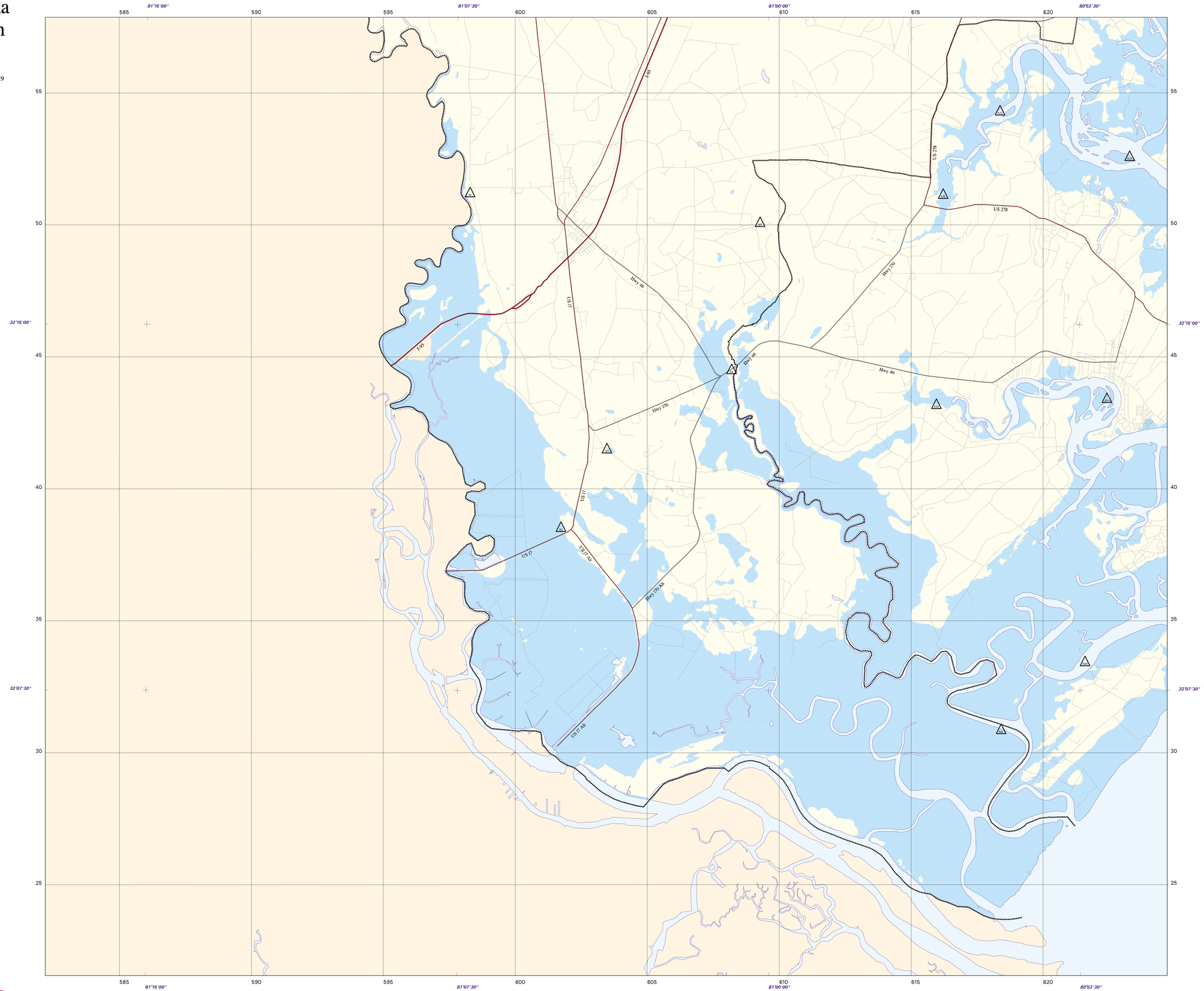

Category 1
Category 2
Category 3
Category 4
Category 5
FEMA Q3 Area
Open Water

Interstate
Primary Road
Secondary Road
Light Duty Road
County Boundary

SCALE 1:48,000

One Inch Equals App. 1219 Meters

0 5000 10000 15000 METERS

The black numbered grid around the map neatline indicates the 1000 meter State Plane Coordinate Grid, FIPSZONE 3900, NAD83 Datum for South Carolina. The last three digits of the grid numbers are omitted.

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Fast (25-35 MPH) Moving Hurricanes
Category 1 Surge Areas

JASPER/BEAUFORT COUNTY, SOUTH CAROLINA

Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data

Plate 1

Coastal South Carolina Hurricane Evacuation Restudy

Storm Surge Heights at Time History Points
in Feet Above National Geodetic Vertical Datum (NGVD), 1929

△ Point	Basin	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
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S5	Savannah		9	15	20	24
S4	Savannah	6	13	17	23	27
S50	Savannah	9	17	23	27	31
S49	Savannah	9	16	22	27	32
S3	Savannah			17	24	27
S2	Savannah	7	12	17	21	26
S60	Savannah	11	16	21	25	29
S61	Savannah	11	16	21	25	29

Notes:

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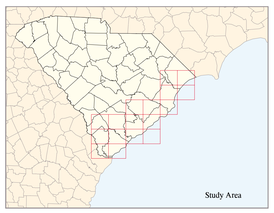

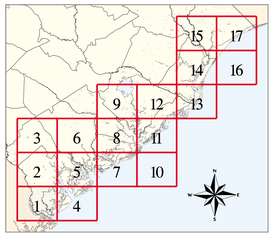

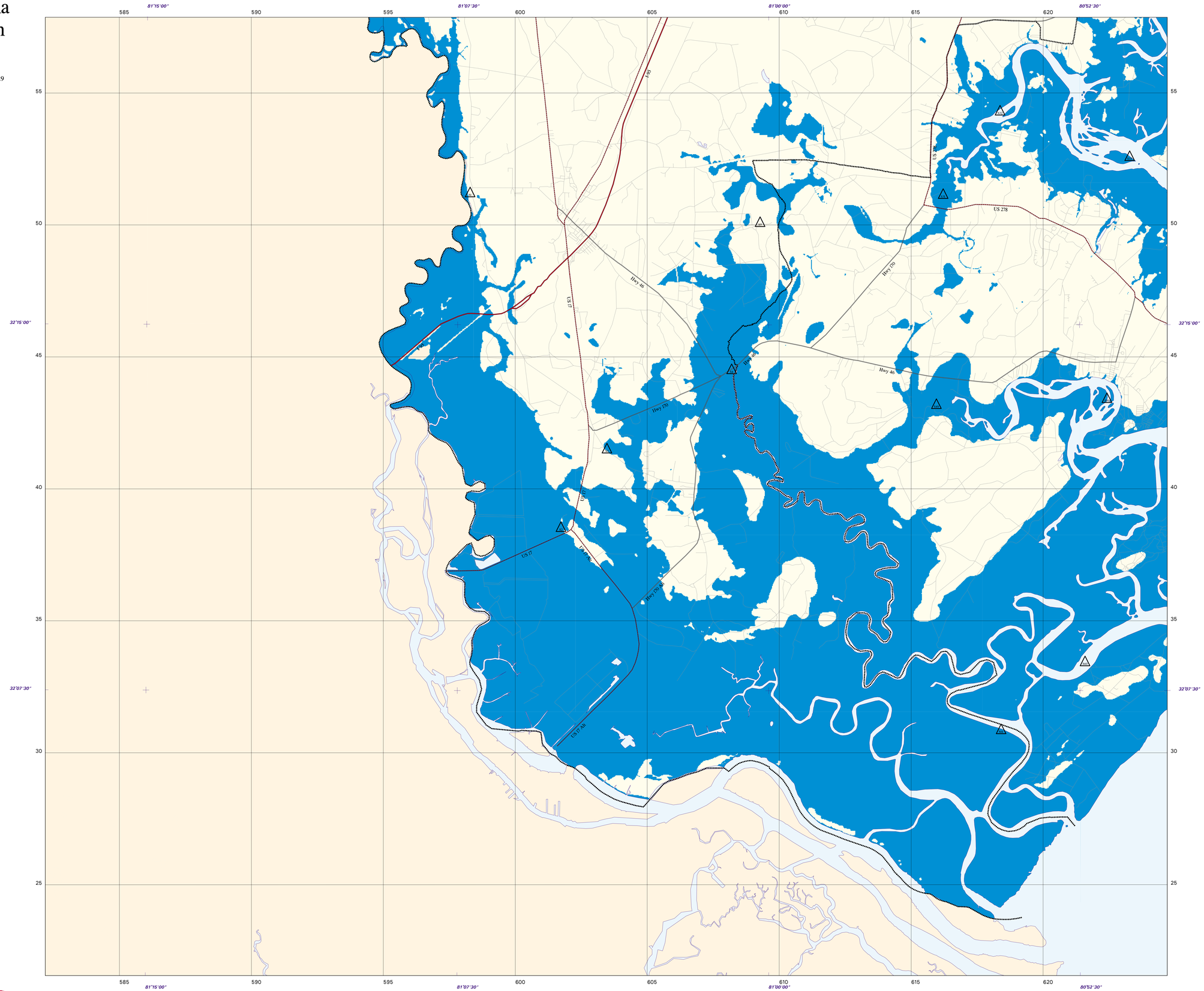

Category 1
Category 2
Category 3
Category 4
Category 5
FEMA Q3 Area
Open Water

Interstate
Primary Road
Secondary Road
Light Duty Road
County Boundary

SCALE 1:48,000

One Inch Equals App. 1219 Meters

0 5000 10000 15000 METERS

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Fast (25-35 MPH) Moving Hurricanes
Category 2 Surge Areas

JASPER/BEAUFORT COUNTY, SOUTH CAROLINA

Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data

Plate 1

Coastal South Carolina Hurricane Evacuation Restudy

Storm Surge Heights at Time History Points
in Feet Above National Geodetic Vertical Datum (NGVD), 1929

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S50	Savannah	9	17	23	27	31
S49	Savannah	9	16	22	27	32
S3	Savannah			17	24	27
S2	Savannah	7	12	17	21	26
S60	Savannah	11	16	21	25	29
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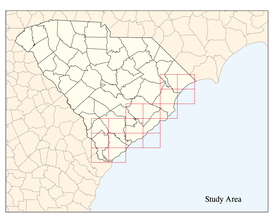

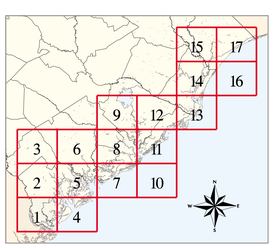

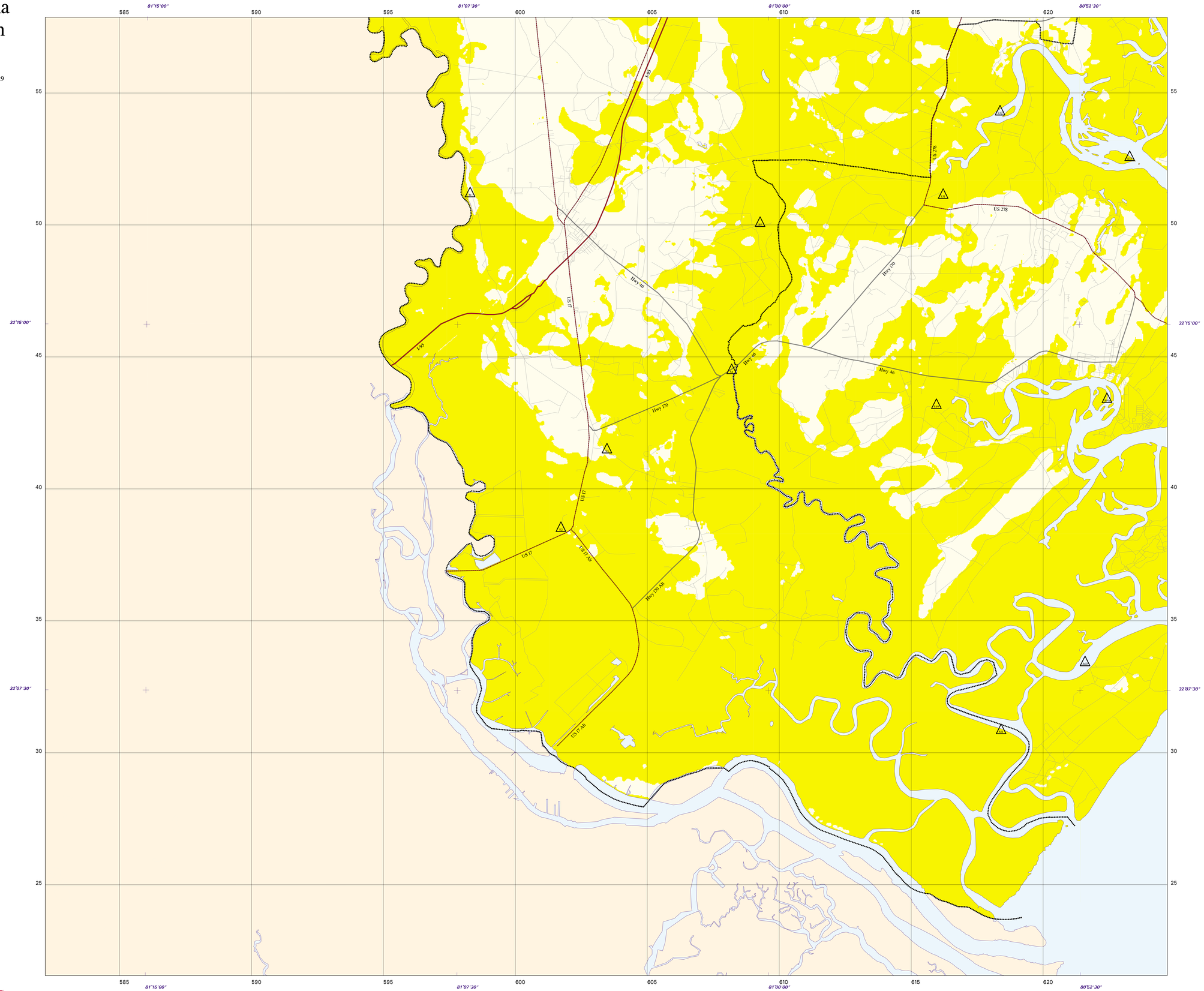

Category 1
Category 2
Category 3
Category 4
Category 5
FEMA Q3 Area
Open Water

Interstate
Primary Road
Secondary Road
Light Duty Road
County Boundary

SCALE 1:48,000

One Inch Equals App. 1219 Meters

0 5000 10000 15000 METERS

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Fast (25-35 MPH) Moving Hurricanes
Category 3 Surge Areas

JASPER/BEAUFORT COUNTY, SOUTH CAROLINA

Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data

Plate 1

Coastal South Carolina Hurricane Evacuation Restudy

Storm Surge Heights at Time History Points
in Feet Above National Geodetic Vertical Datum (NGVD), 1929

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S5	Savannah		9	15	20	24
S4	Savannah	6	13	17	23	27
S50	Savannah	9	17	23	27	31
S49	Savannah	9	16	22	27	32
S3	Savannah			17	24	27
S2	Savannah	7	12	17	21	26
S60	Savannah	11	16	21	25	29
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Notes:

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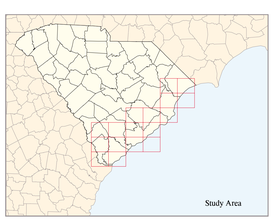

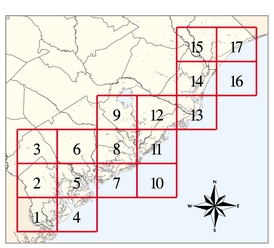

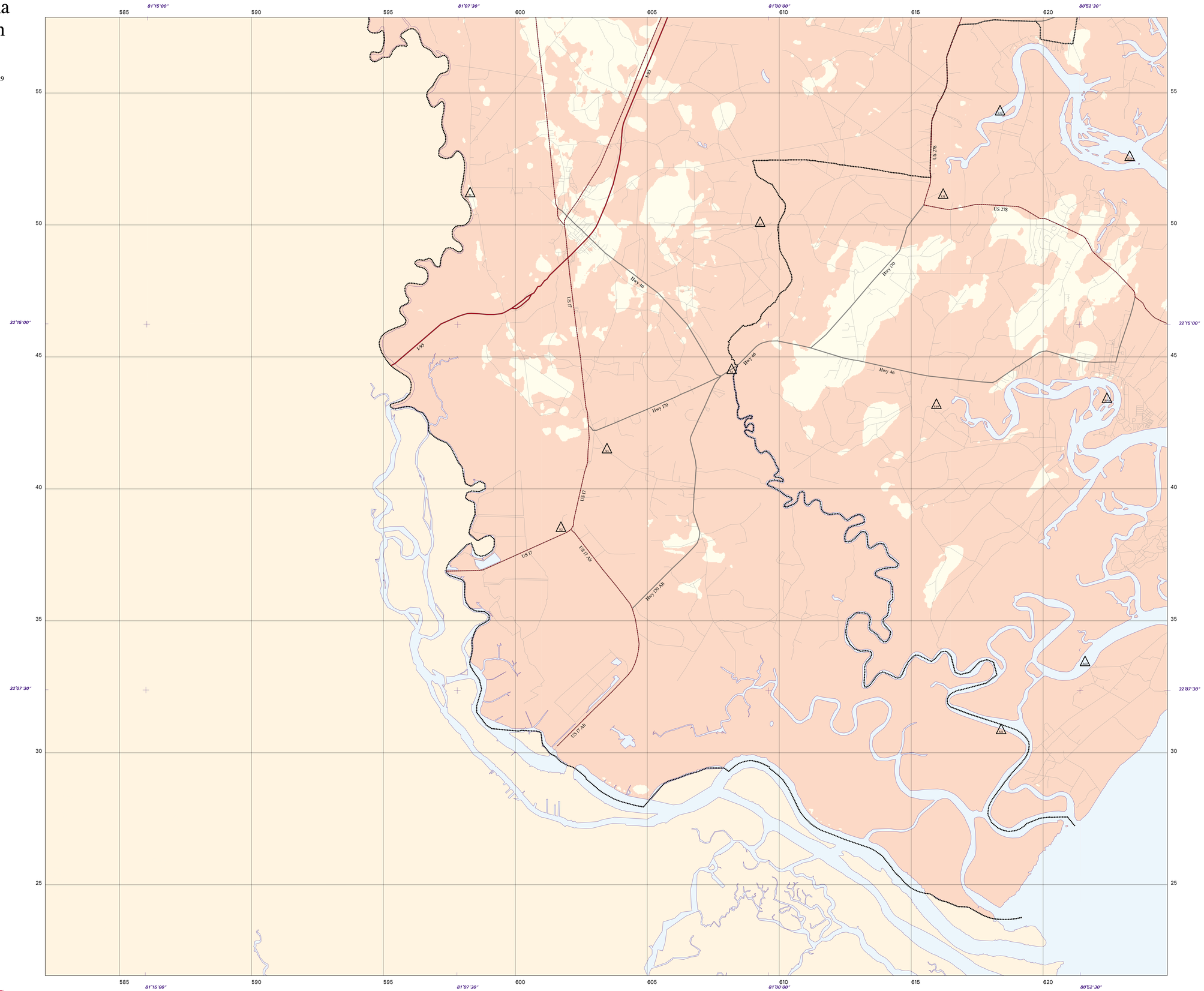

Category 1
Category 2
Category 3
Category 4
Category 5
FEMA Q3 Area
Open Water

Interstate
Primary Road
Secondary Road
Light Duty Road
County Boundary

SCALE 1:48,000

One Inch Equals App. 1219 Meters

0 5000 10000 15000 METERS

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Fast (25-35 MPH) Moving Hurricanes
Category 4 Surge Areas

JASPER/BEAUFORT COUNTY, SOUTH CAROLINA

Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data

Plate 1

Coastal South Carolina Hurricane Evacuation Restudy

Storm Surge Heights at Time History Points
in Feet Above National Geodetic Vertical Datum (NGVD), 1929

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S5	Savannah		9	15	20	24
S4	Savannah	6	13	17	23	27
S50	Savannah	9	17	23	27	31
S49	Savannah	9	16	22	27	32
S3	Savannah			17	24	27
S2	Savannah	7	12	17	21	26
S60	Savannah	11	16	21	25	29
S61	Savannah	11	16	21	25	29

Notes:

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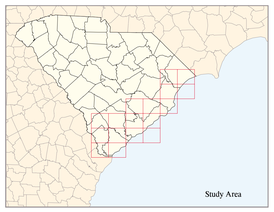

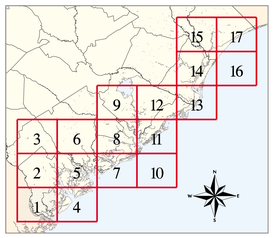

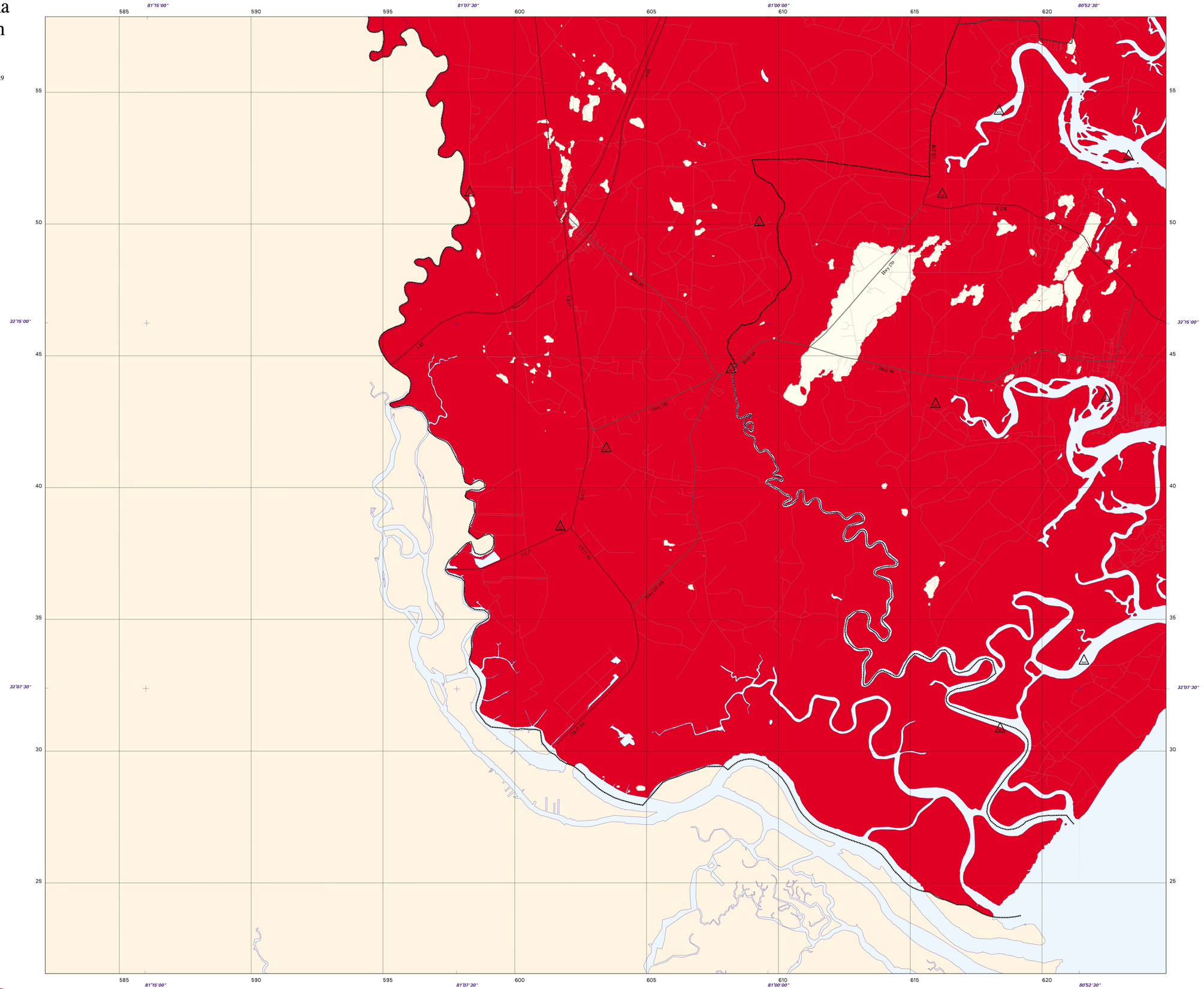

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- Category 1
- Category 2
- Category 3
- Category 4
- Category 5
- FEMA Q3 Area
- Open Water
- Interstate
- Primary Road
- Secondary Road
- Light Duty Road
- County Boundary

SCALE 1:48,000

One Inch Equals App. 1219 Meters

0 5000 10000 15000 METERS

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Fast (25-35 MPH) Moving Hurricanes
Category 5 Surge Areas

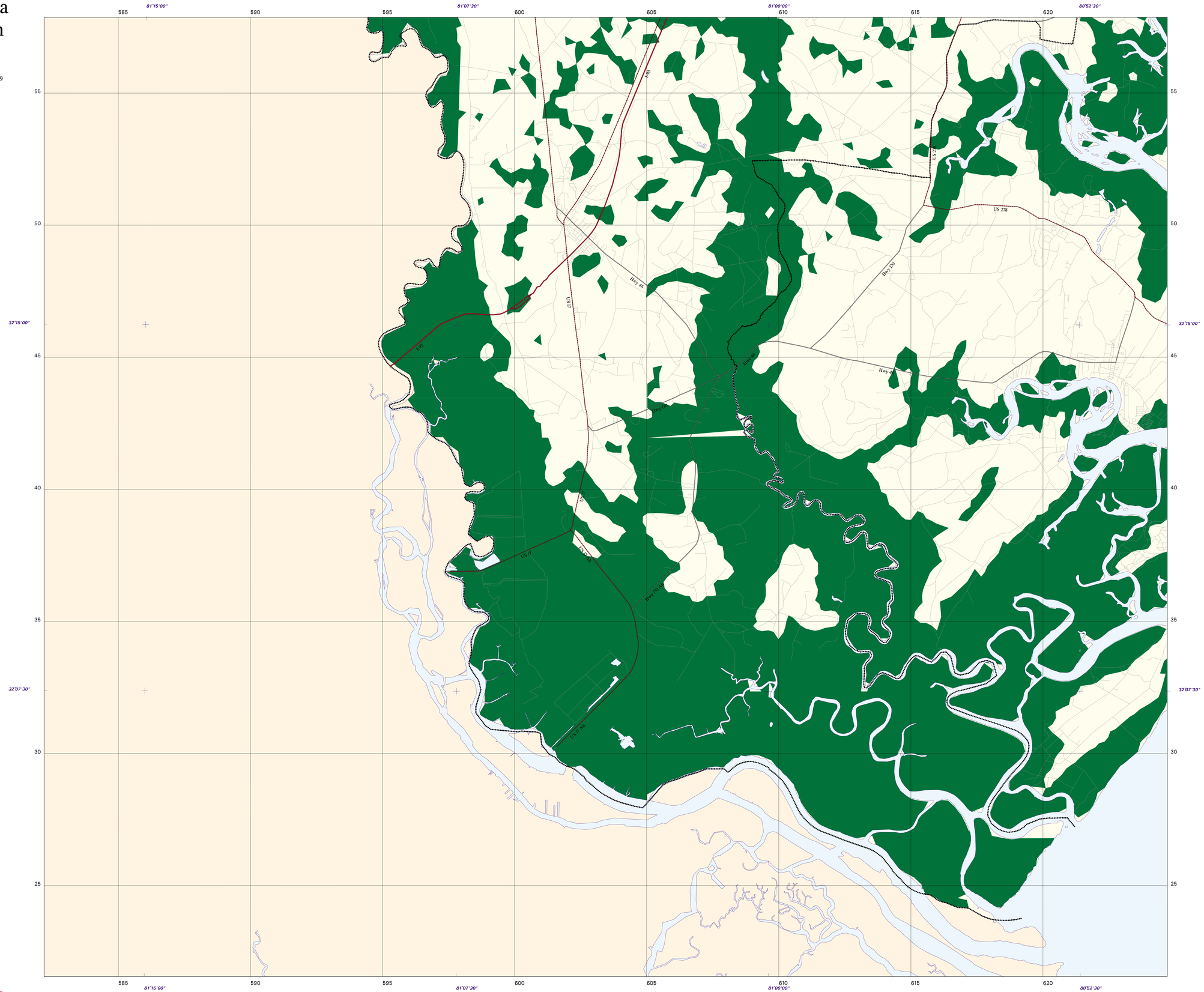
JASPER/BEAUFORT COUNTY, SOUTH CAROLINA

Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data

Plate 1

Coastal South Carolina Hurricane Evacuation Restudy

Storm Surge Heights at Time History Points
in Feet Above National Geodetic Vertical Datum (NGVD), 1929



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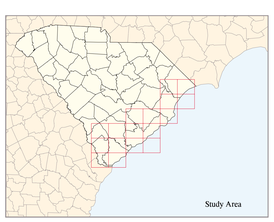

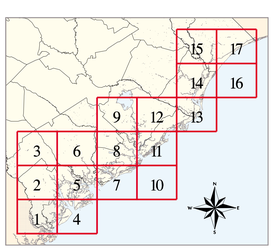

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FEMA Q3 Areas
Combined A, AE, and VE Flood Hazard Zones

JASPER/BEAUFORT COUNTY, SOUTH CAROLINA

Source: Federal Emergency Management Agency (FEMA) Flood Hazard Mapping Program

Plate 1

Coastal South Carolina Hurricane Evacuation Restudy

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S50	Savannah	9	13	17	20	23
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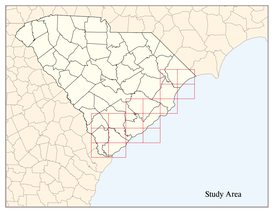

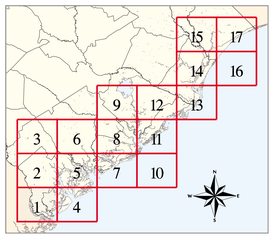

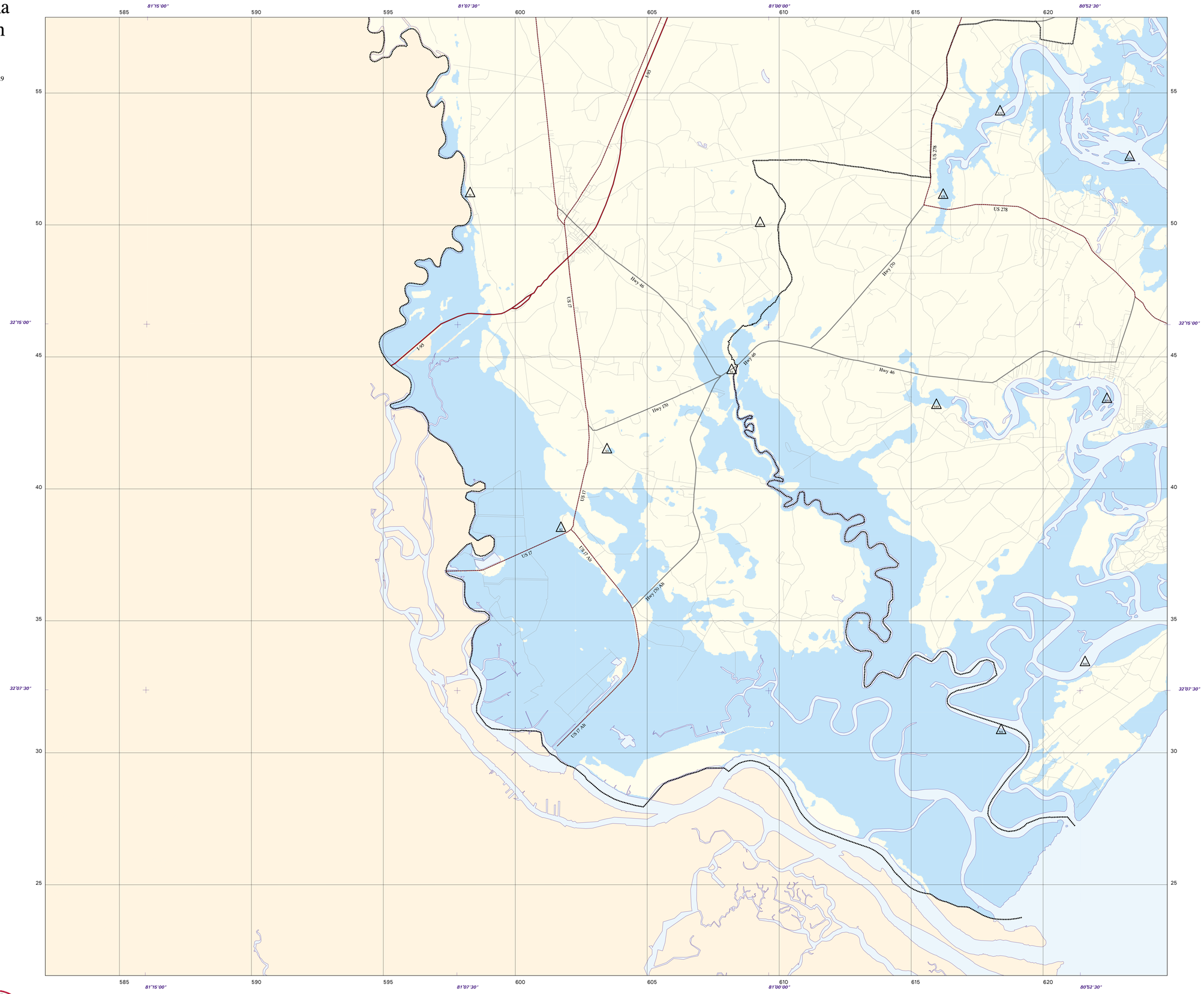

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- Category 1
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- County Boundary

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Normal (5-15 MPH) Moving Hurricanes
Category 1 Surge Areas

JASPER/BEAUFORT COUNTY, SOUTH CAROLINA

Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data

Plate 1

Coastal South Carolina Hurricane Evacuation Restudy

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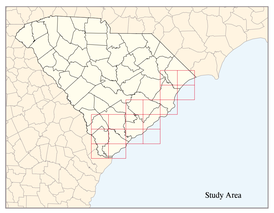

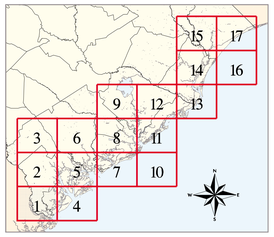

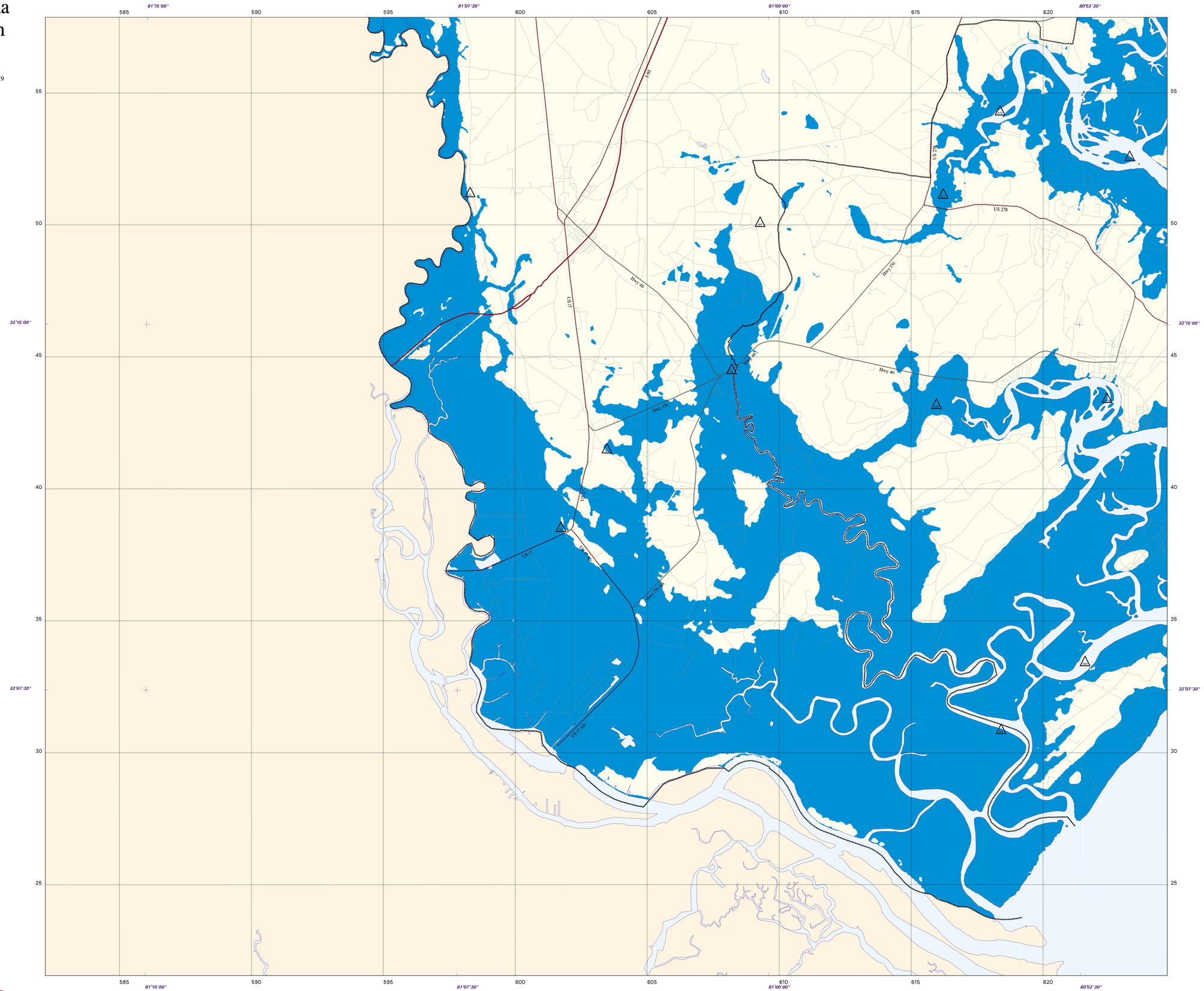

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Category 2
Category 3
Category 4
Category 5
FEMA Q3 Area
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Primary Road
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Normal (5-15 MPH) Moving Hurricanes
Category 2 Surge Areas

JASPER/BEAUFORT COUNTY, SOUTH CAROLINA

Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data

Plate 1

Coastal South Carolina Hurricane Evacuation Restudy

Storm Surge Heights at Time History Points
in Feet Above National Geodetic Vertical Datum (NGVD), 1929

△ Point	Basin	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
S32	Savannah	10	14	19	21	23
S33	Savannah	10	14	18	21	23
S1	Savannah	7	11	17	22	25
S31	Savannah	10	15	18	21	23
S5	Savannah			14	16	21
S4	Savannah	7	11	14	17	21
S50	Savannah	9	13	17	20	23
S49	Savannah	9	15	18	20	24
S3	Savannah			15	19	22
S2	Savannah	7	11	16	19	23
S60	Savannah	9	13	17	20	23
S61	Savannah	9	13	17	20	23

Notes:

1. Surge Limits are based on still-water total storm surge heights at mean high tide with no wave setup included (Elevations above National Geodetic Vertical Datum).
2. Source of Base Mapping is USGS Quadrangle Maps.
3. Total storm surge limits were determined by interpolating still-water total surge elevations at high tide onto the most current 7.5 minute USGS quadrangle maps. Accuracy and precision of surge limits are governed by the currency, accuracy, and tolerance of the quadrangle maps.
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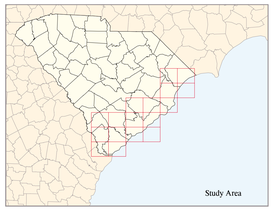

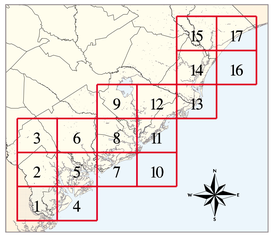

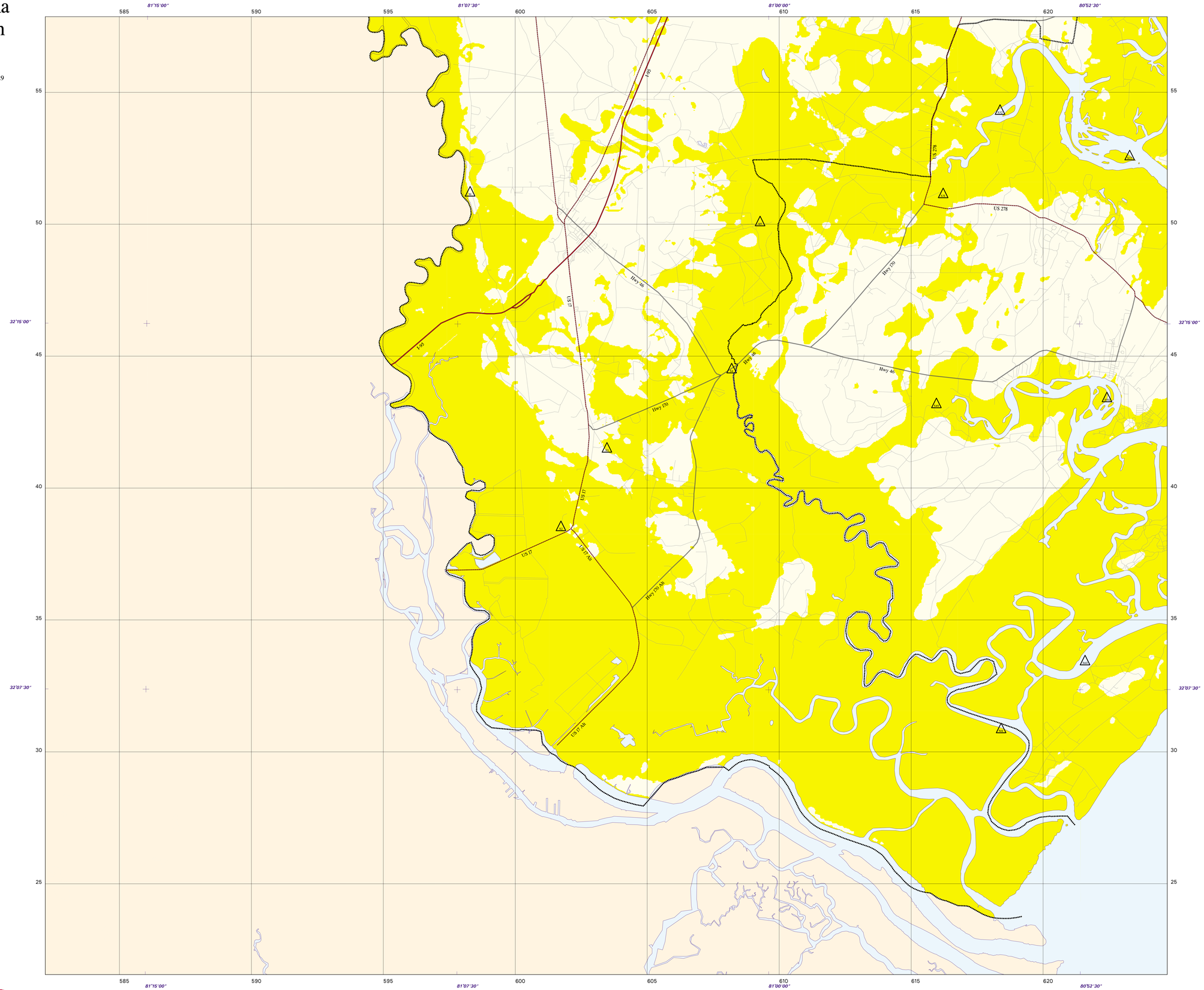

Category 1
Category 2
Category 3
Category 4
Category 5
FEMA Q3 Area
Open Water

Interstate
Primary Road
Secondary Road
Light Duty Road
County Boundary

SCALE 1:48,000

One Inch Equals App. 1219 Meters

0 5000 10000 15000 METERS

The black numbered grid around the map neatline indicates the 1000 meter State Plane Coordinate Grid, FIPSZONE 3900, NAD83 Datum for South Carolina. The last three digits of the grid numbers are omitted.

This product represents a combined effort by the Federal Emergency Management Agency, the U.S. Army Corps of Engineers - Charleston District, and the South Carolina Emergency Preparedness Division

Normal (5-15 MPH) Moving Hurricanes Category 3 Surge Areas

JASPER/BEAUFORT COUNTY, SOUTH CAROLINA

Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data

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S50	Savannah	9	13	17	20	23
S49	Savannah	9	15	18	20	24
S3	Savannah			15	19	22
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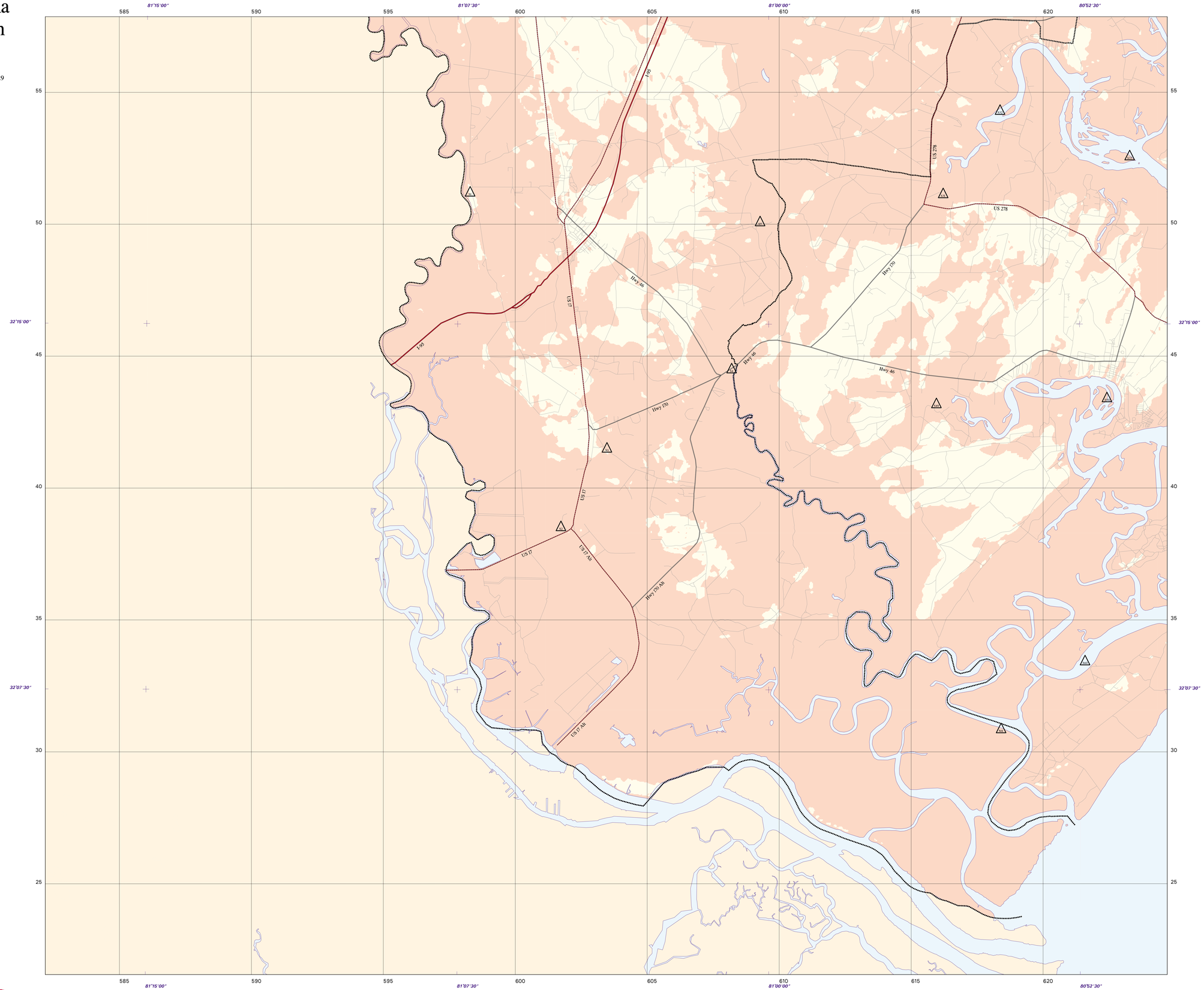

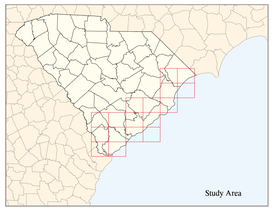

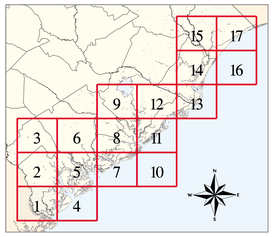

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- Category 1
- Category 2
- Category 3
- Category 4
- Category 5
- FEMA Q3 Area
- Open Water
- Interstate
- Primary Road
- Secondary Road
- Light Duty Road
- County Boundary

SCALE 1:48,000

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0 5000 10000 15000 METERS

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Normal (5-15 MPH) Moving Hurricanes
Category 4 Surge Areas

JASPER/BEAUFORT COUNTY, SOUTH CAROLINA

Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data

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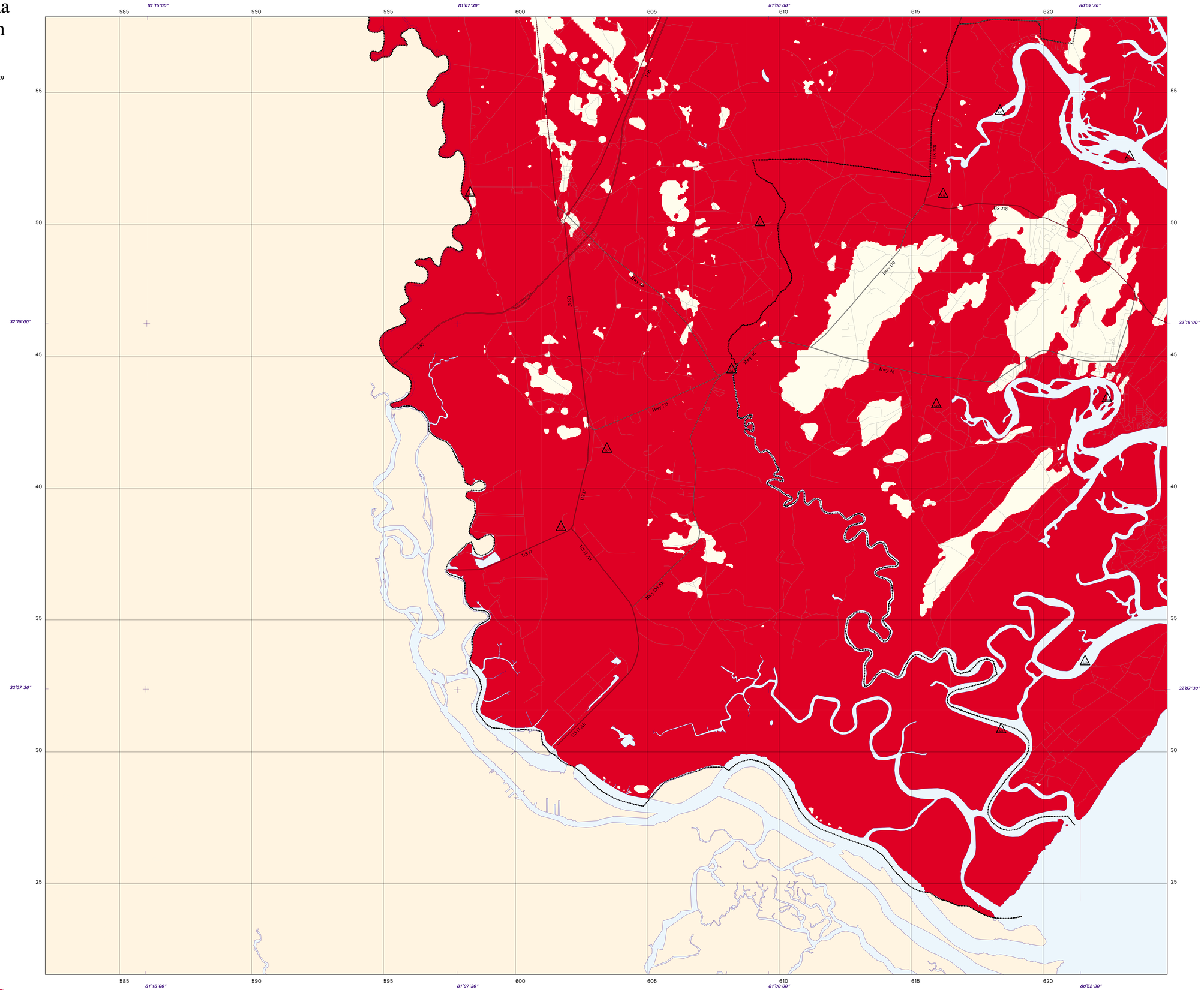

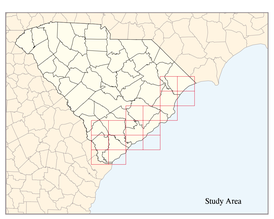

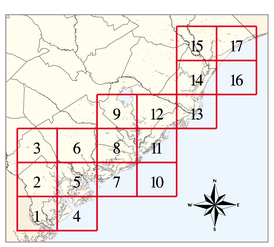

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Normal (5-15 MPH) Moving Hurricanes Category 5 Surge Areas

JASPER/BEAUFORT COUNTY, SOUTH CAROLINA

Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data

Plate 1