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
C68	Charleston	10	16	20	23	27
C67	Charleston			20	23	27

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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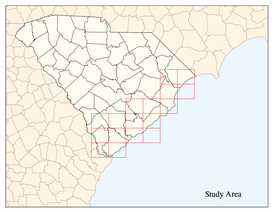

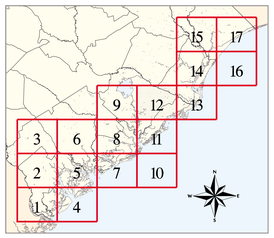

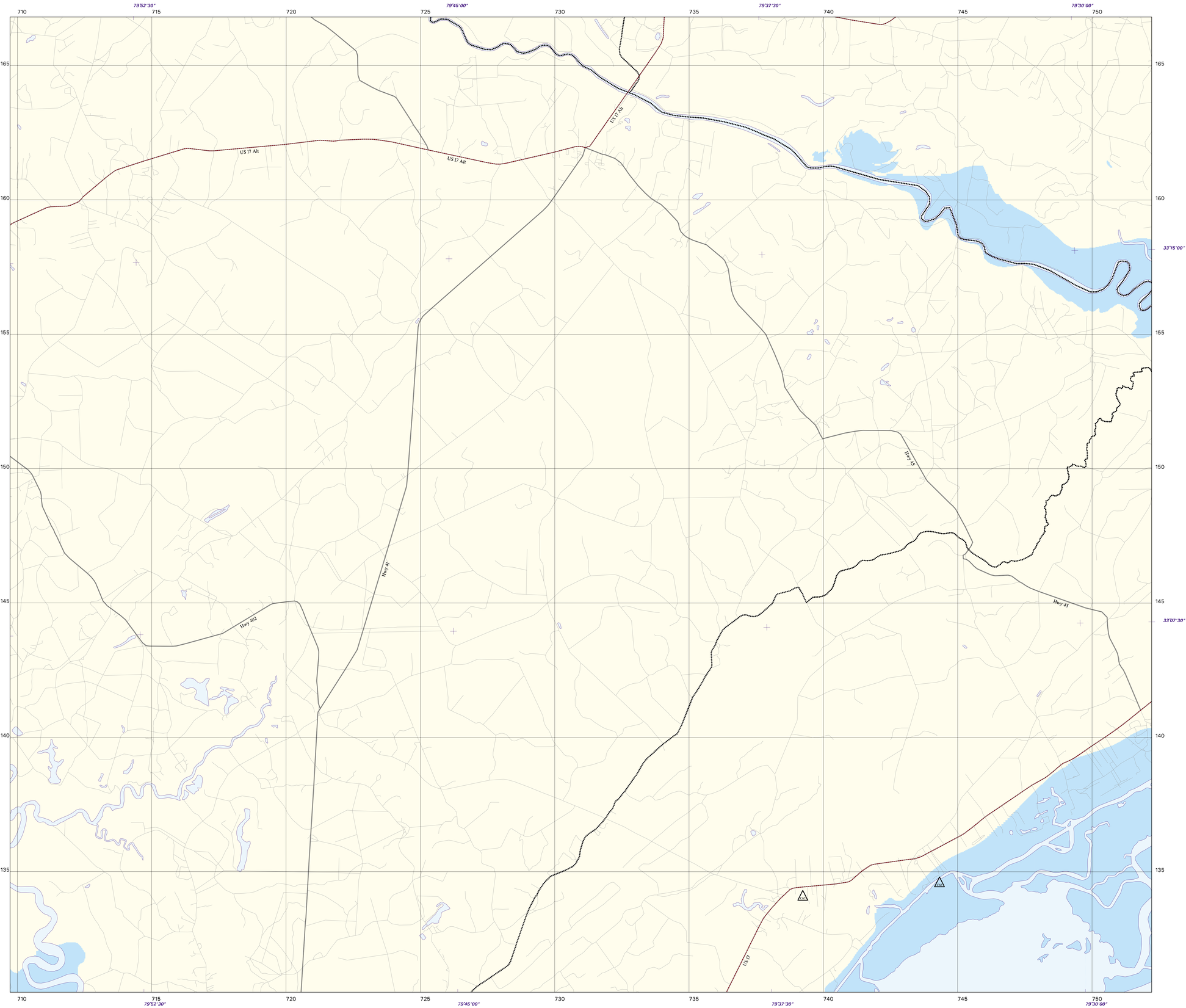

This product represents a combined effort by the Federal Emergency Management Agency, the U.S. Army Corps of Engineers - Charleston District, and the South Carolina Emergency Preparedness Division

- 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.

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

CHARLESTON/BERKELEY/GEORGETOWN COUNTY, SOUTH CAROLINA

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

Plate 12

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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C67	Charleston			20	23	27

Notes:

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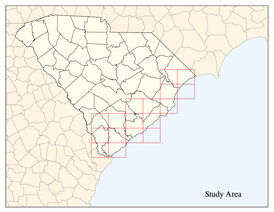

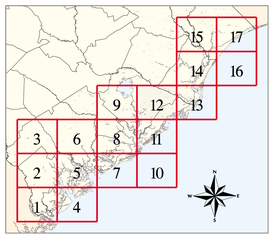

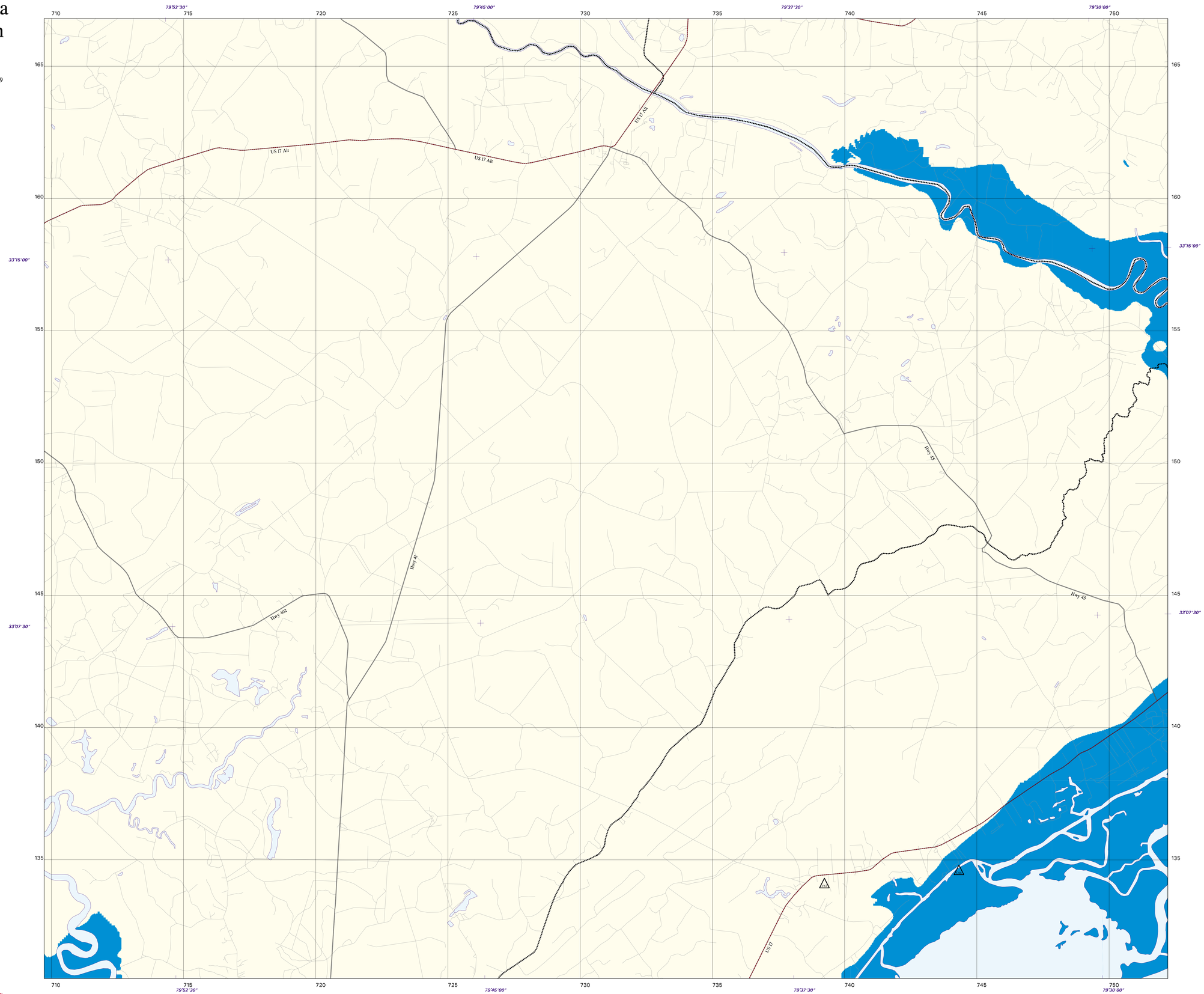

Category 1
Category 2
Category 3
Category 4
Category 5
FEMA Q3 Area
Open Water

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

CHARLESTON/BERKELEY/GEORGETOWN COUNTY, SOUTH CAROLINA

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

Plate 12

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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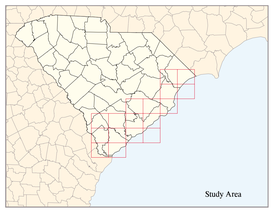

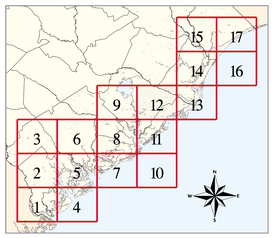

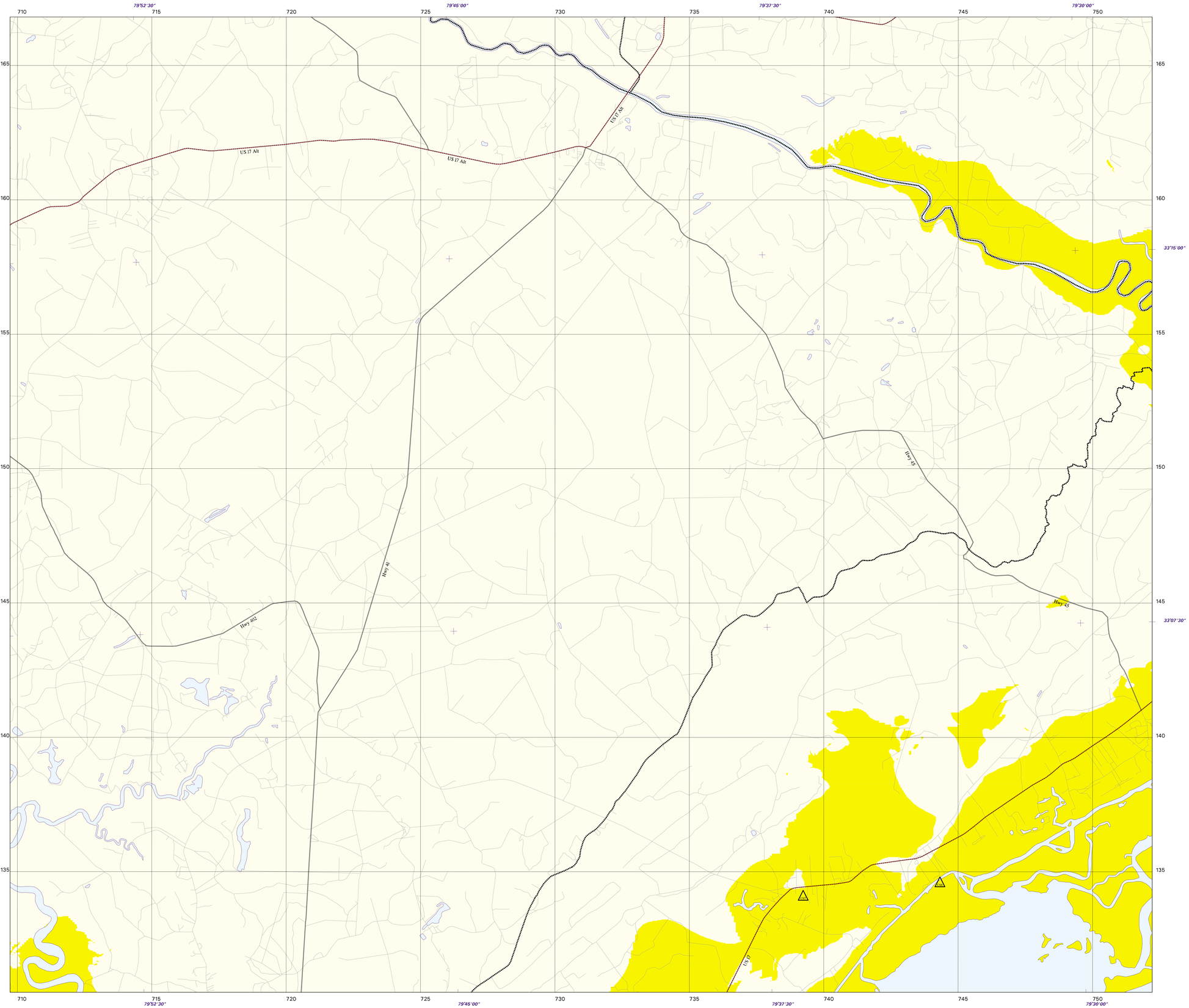

This product represents a combined effort by the Federal Emergency Management Agency, the U.S. Army Corps of Engineers - Charleston District, and the South Carolina Emergency Preparedness Division

- 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.

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

CHARLESTON/BERKELEY/GEORGETOWN COUNTY, SOUTH CAROLINA

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

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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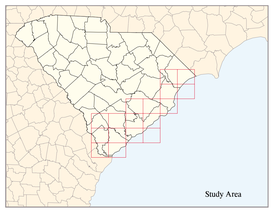

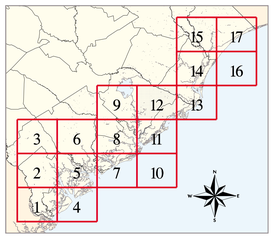

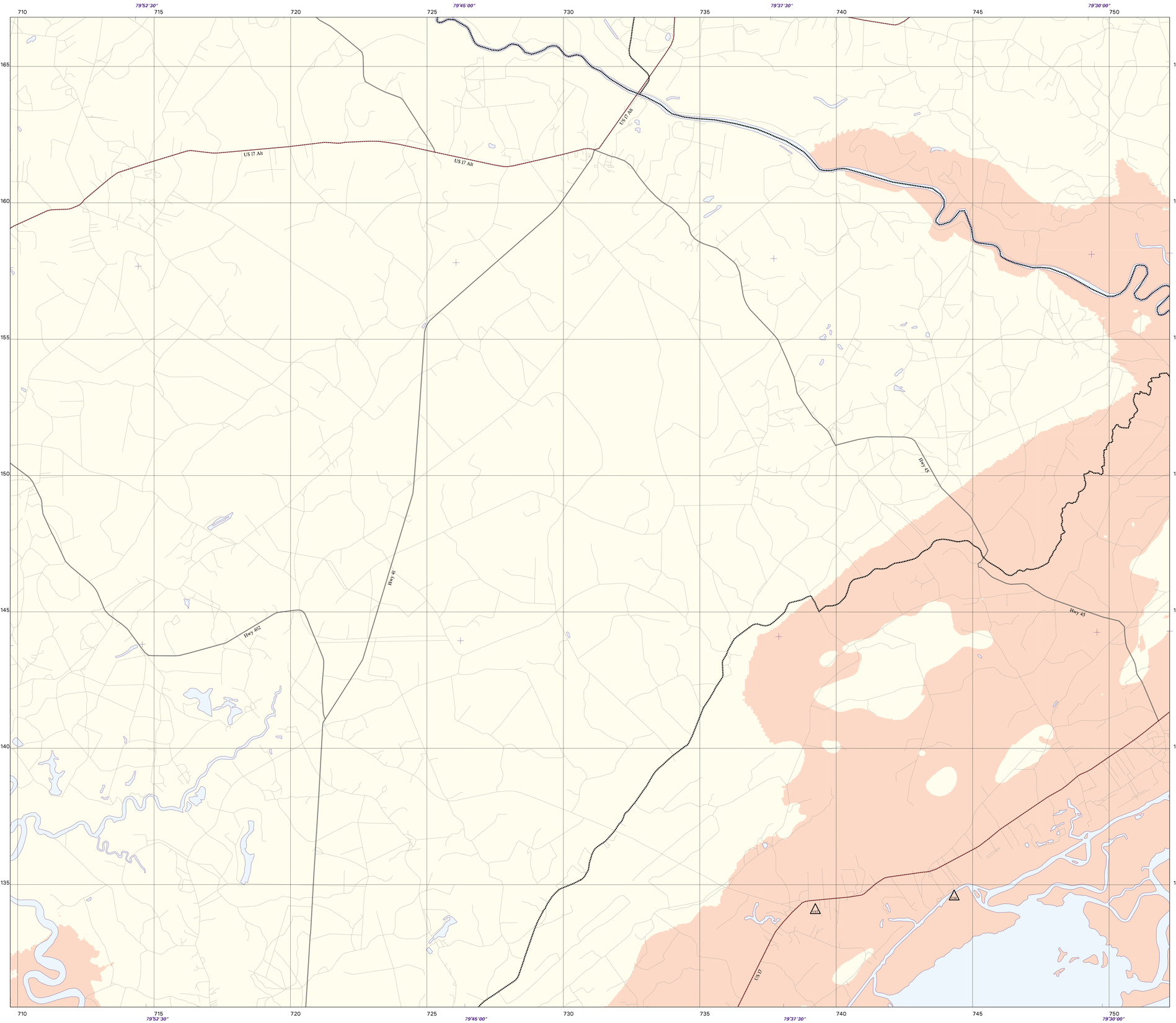

Category 1
Category 2
Category 3
Category 4
Category 5
FEMA Q3 Area
Open Water

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

CHARLESTON/BERKELEY/GEORGETOWN COUNTY, SOUTH CAROLINA

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

Plate 12

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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Notes:

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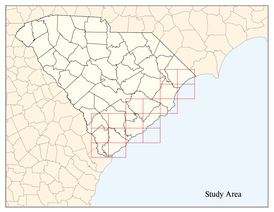

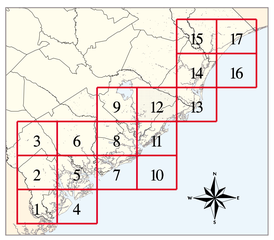

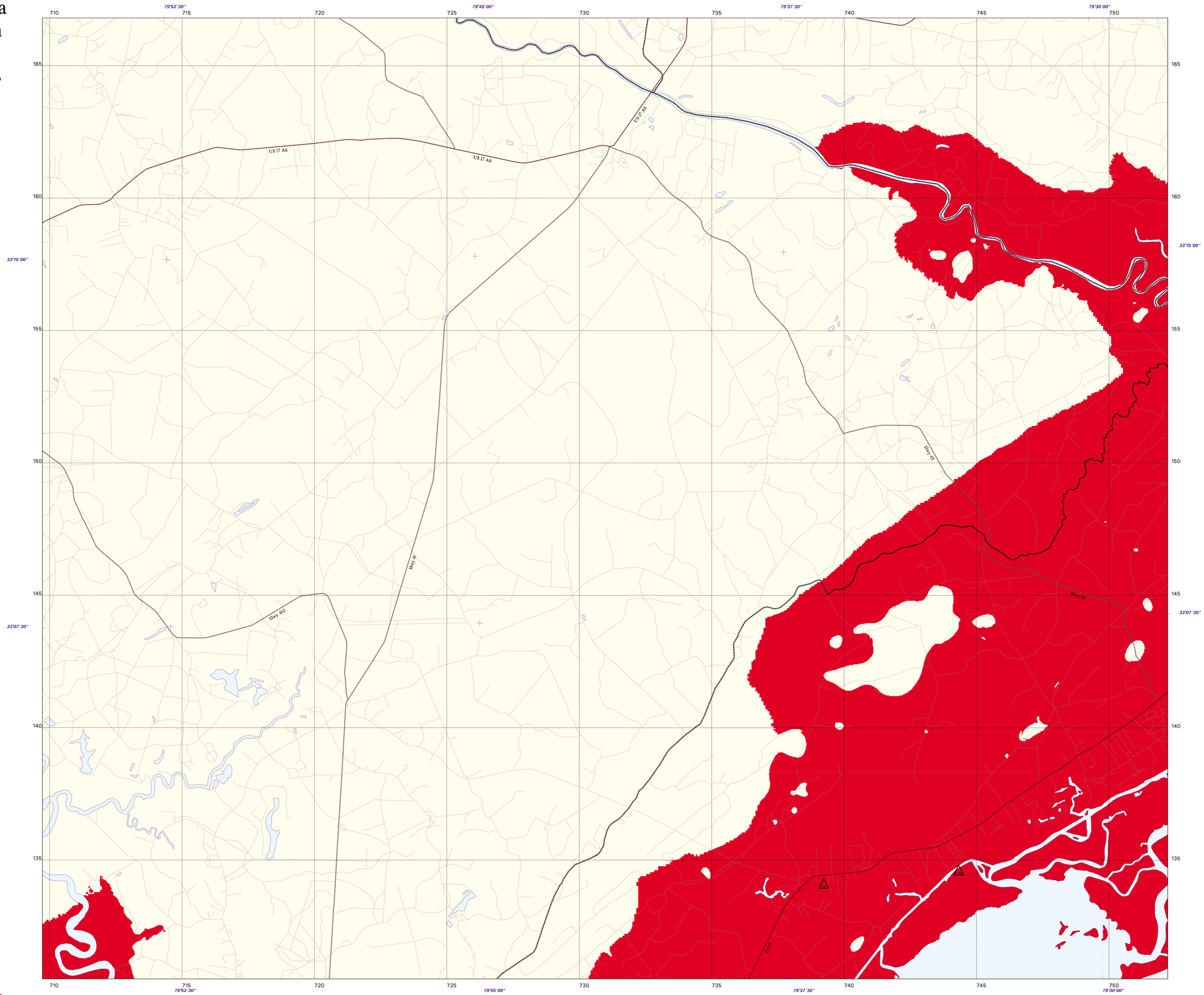

Category 1
Category 2
Category 3
Category 4
Category 5
FEMA Q3 Area
Open Water

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 5 Surge Areas

CHARLESTON/BERKELEY/GEORGETOWN COUNTY, SOUTH CAROLINA

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

Plate 12

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
C68	Charleston	8	12	16	19	22
C67	Charleston				20	22

Notes:

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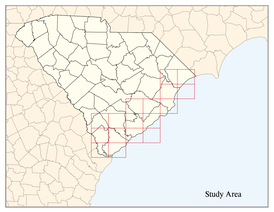

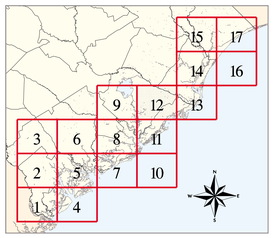

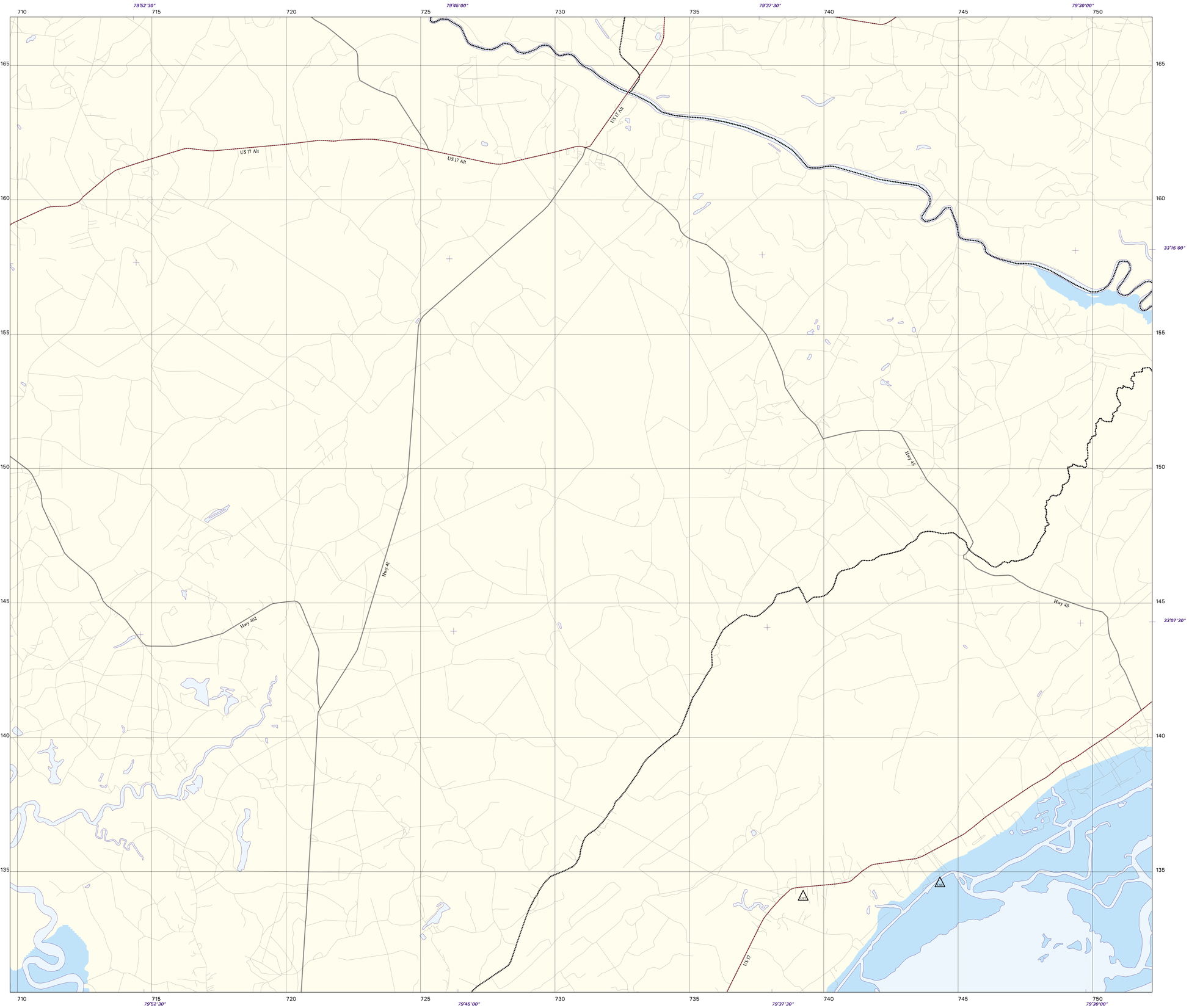

Category 1
Category 2
Category 3
Category 4
Category 5
FEMA Q3 Area
Open Water

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

CHARLESTON/BERKELEY/GEORGETOWN COUNTY, SOUTH CAROLINA

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

Plate 12

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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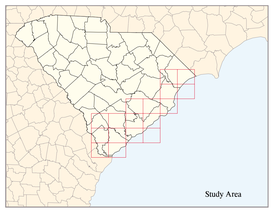

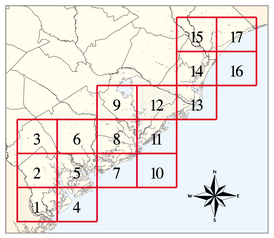

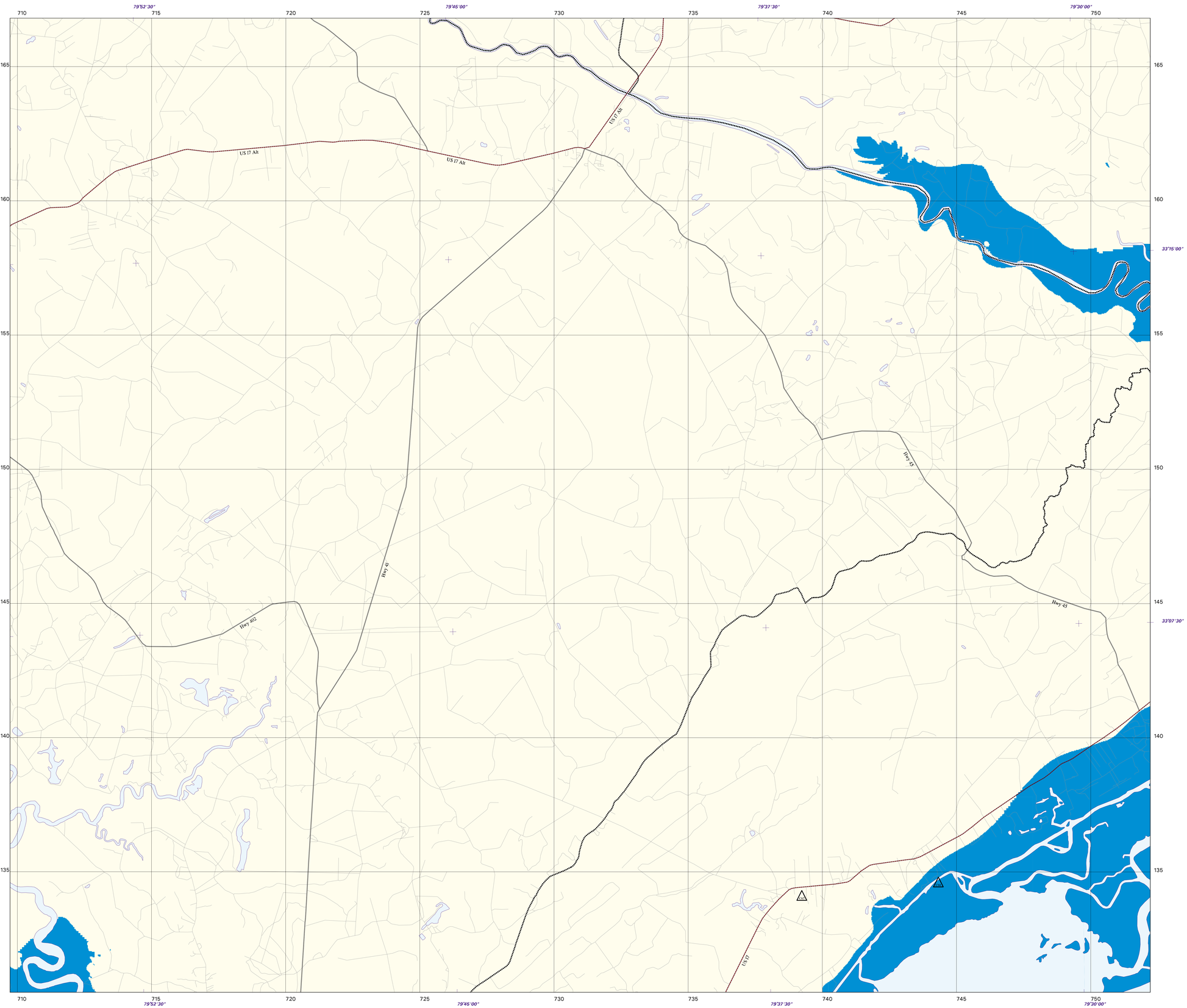

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- Category 1
- Category 2
- Category 3
- Category 4
- Category 5
- FEMA Q3 Area
- Open Water
- Interstate
- Primary Road
- Secondary Road
- Light Duty Road
- County Boundary

SCALE 1:48,000

One Inch Equals App. 1219 Meters

0 5000 10000 15000 METERS

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Normal (5-15 MPH) Moving Hurricanes Category 2 Surge Areas

CHARLESTON/BERKELEY/GEORGETOWN COUNTY, SOUTH CAROLINA

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

Plate 12

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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C67	Charleston				20	22

Notes:

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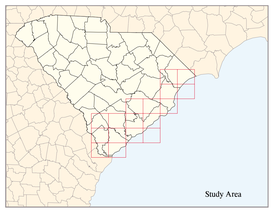

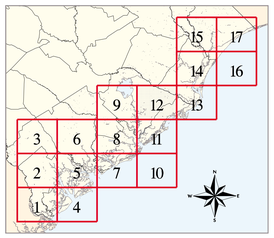

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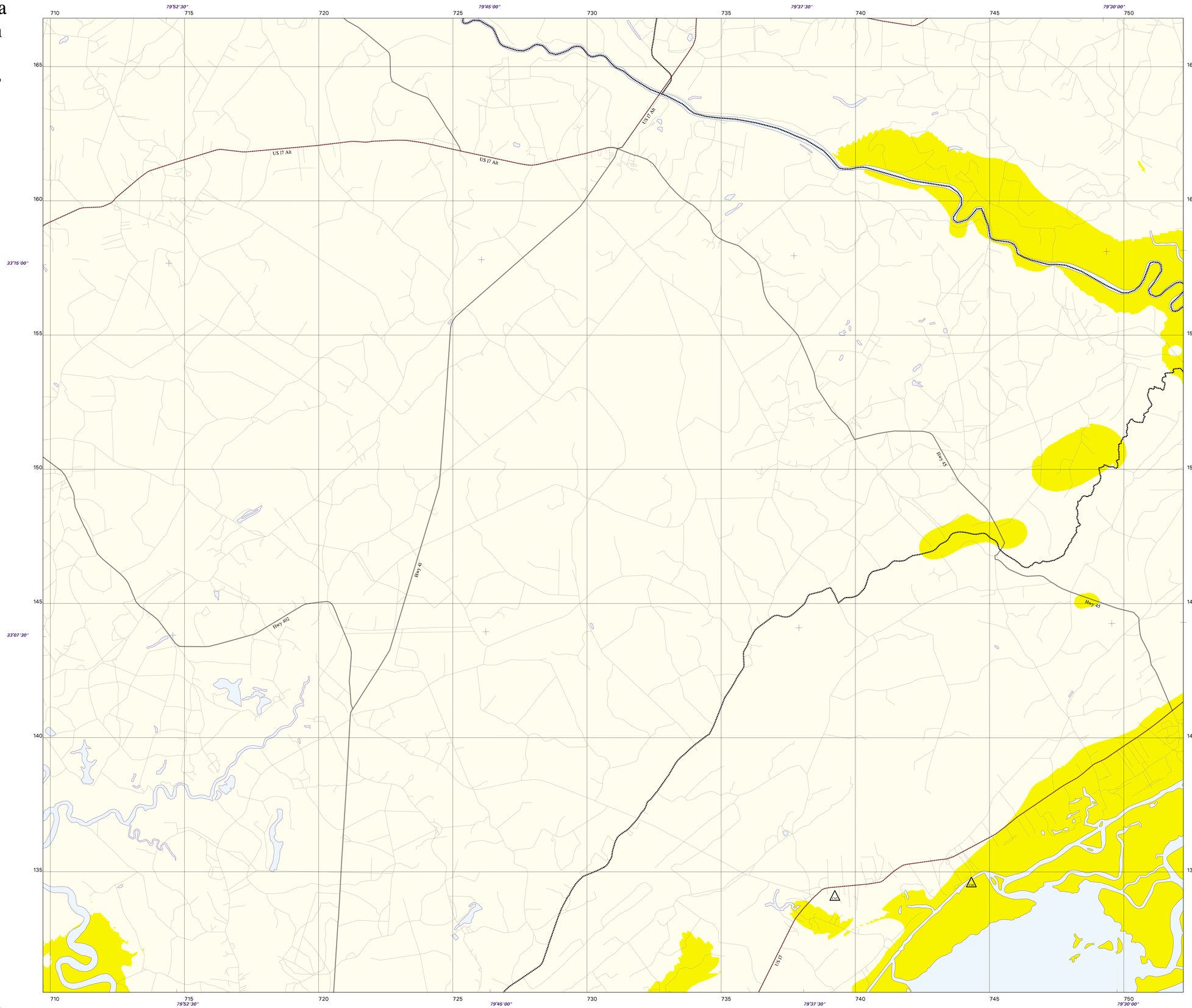

Category 1
Category 2
Category 3
Category 4
Category 5
FEMA Q3 Area
Open Water

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

CHARLESTON/BERKELEY/GEORGETOWN COUNTY, SOUTH CAROLINA

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

Plate 12

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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Notes:

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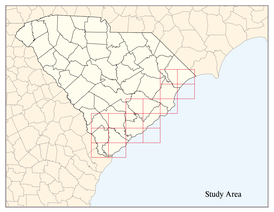

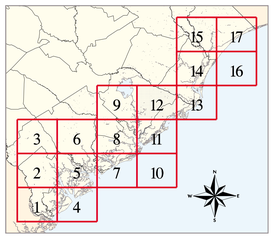

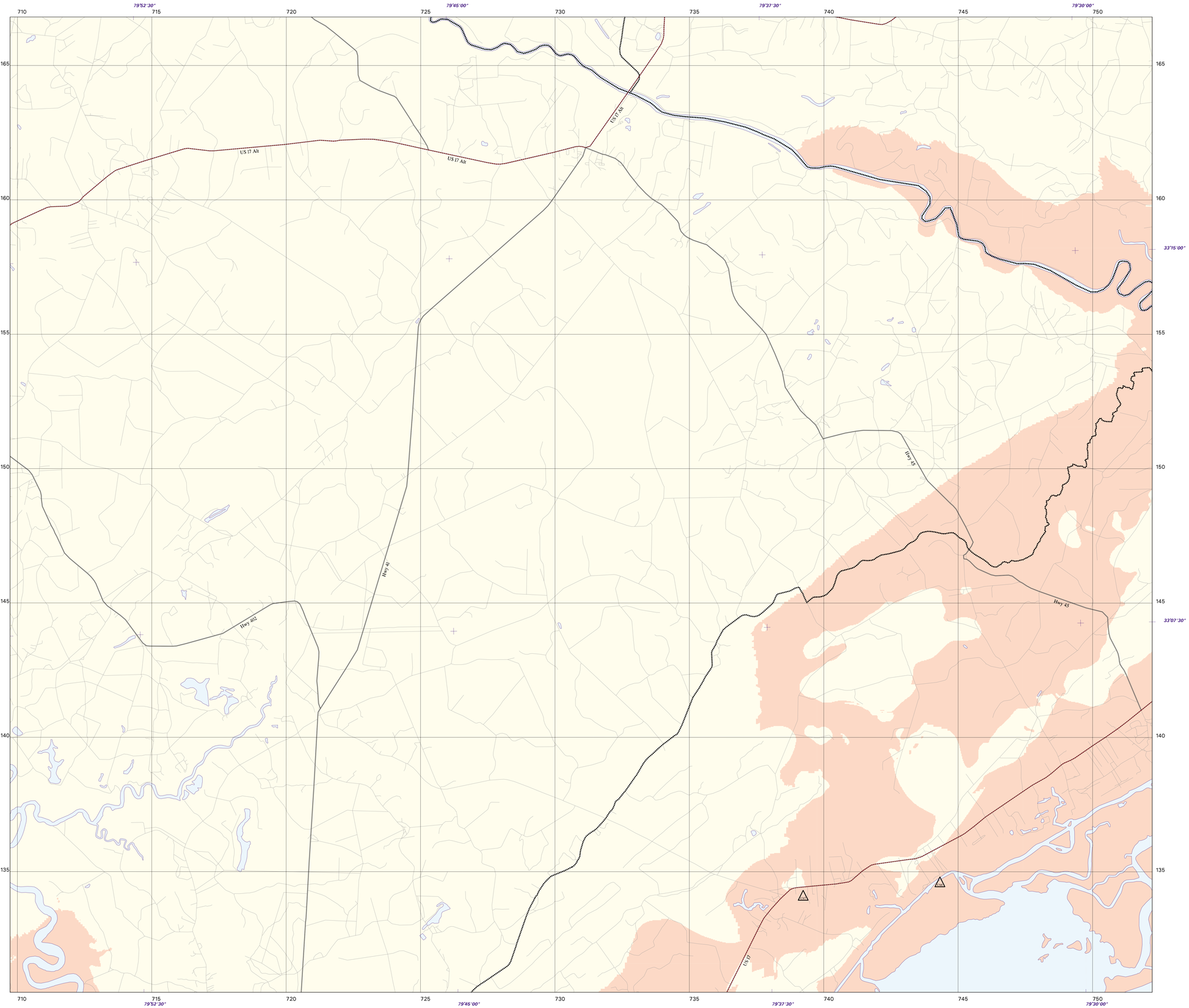

Category 1
Category 2
Category 3
Category 4
Category 5
FEMA Q3 Area
Open Water

Interstate
Primary Road
Secondary Road
Light Duty Road
County Boundary

SCALE 1:48,000

One Inch Equals App. 1219 Meters

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

CHARLESTON/BERKELEY/GEORGETOWN COUNTY, SOUTH CAROLINA

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

Plate 12

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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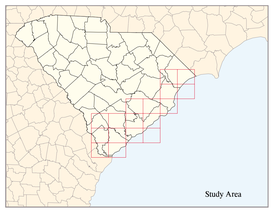
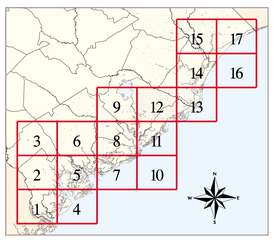
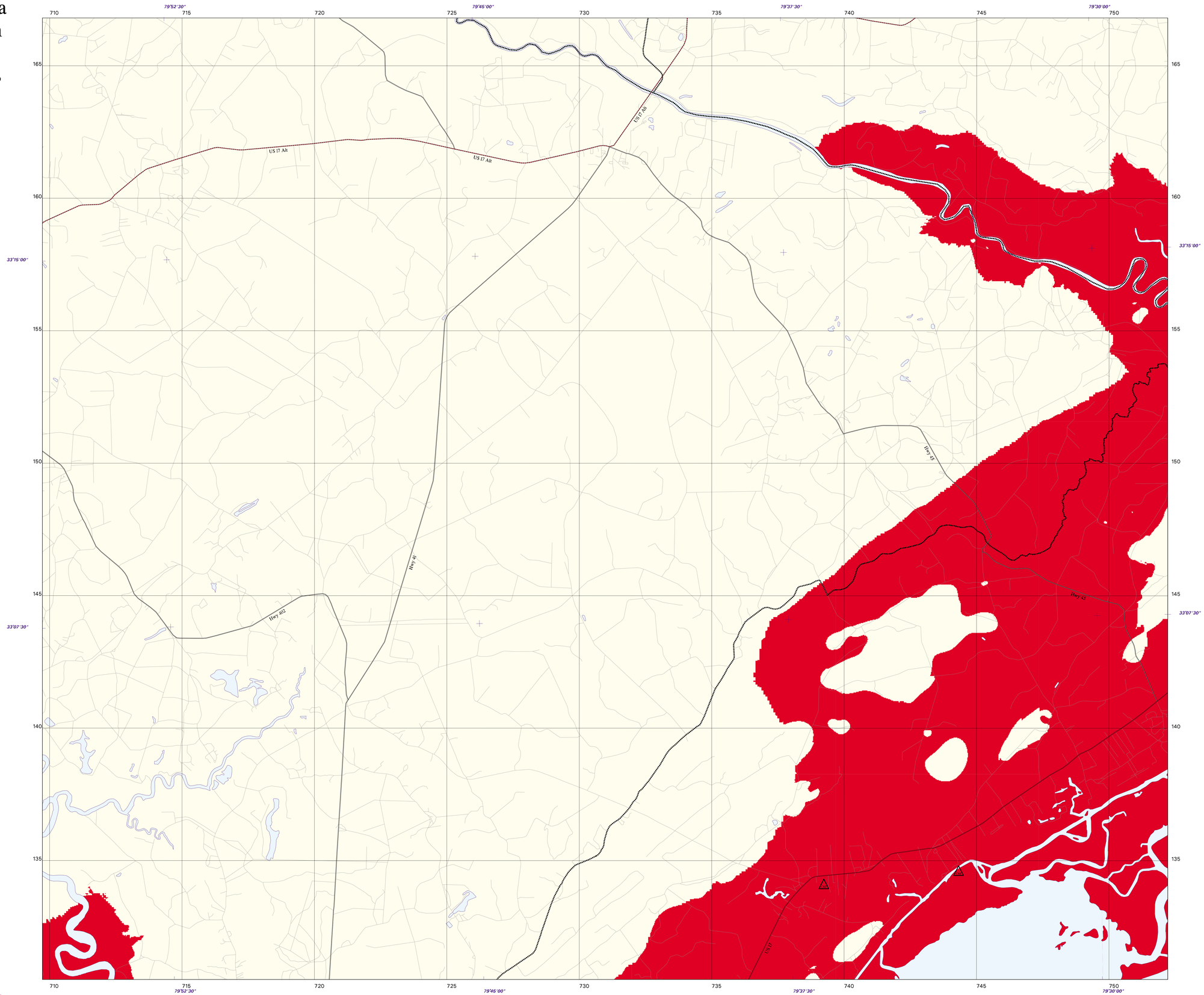
Notes:

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.
4. This set of maps is to be used in connection with analyzing risks for emergency management and evacuation purposes. They should not be used as a basis for permitting.







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 5 Surge Areas

CHARLESTON/BERKELEY/GEORGETOWN COUNTY, SOUTH CAROLINA

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

Plate 12

Coastal South Carolina Hurricane Evacuation Restudy

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

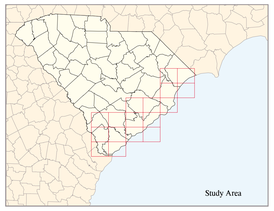
Notes:

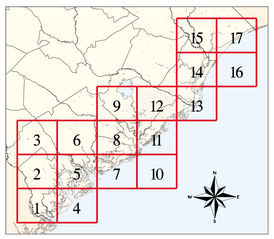
1. Surge Limits are based on still-water total storm surge heights at mean high tide with no wave setup included (Elevations above National Geodetic Vertical Datum).

2. Source of Base Mapping is USGS Quadrangle Maps.

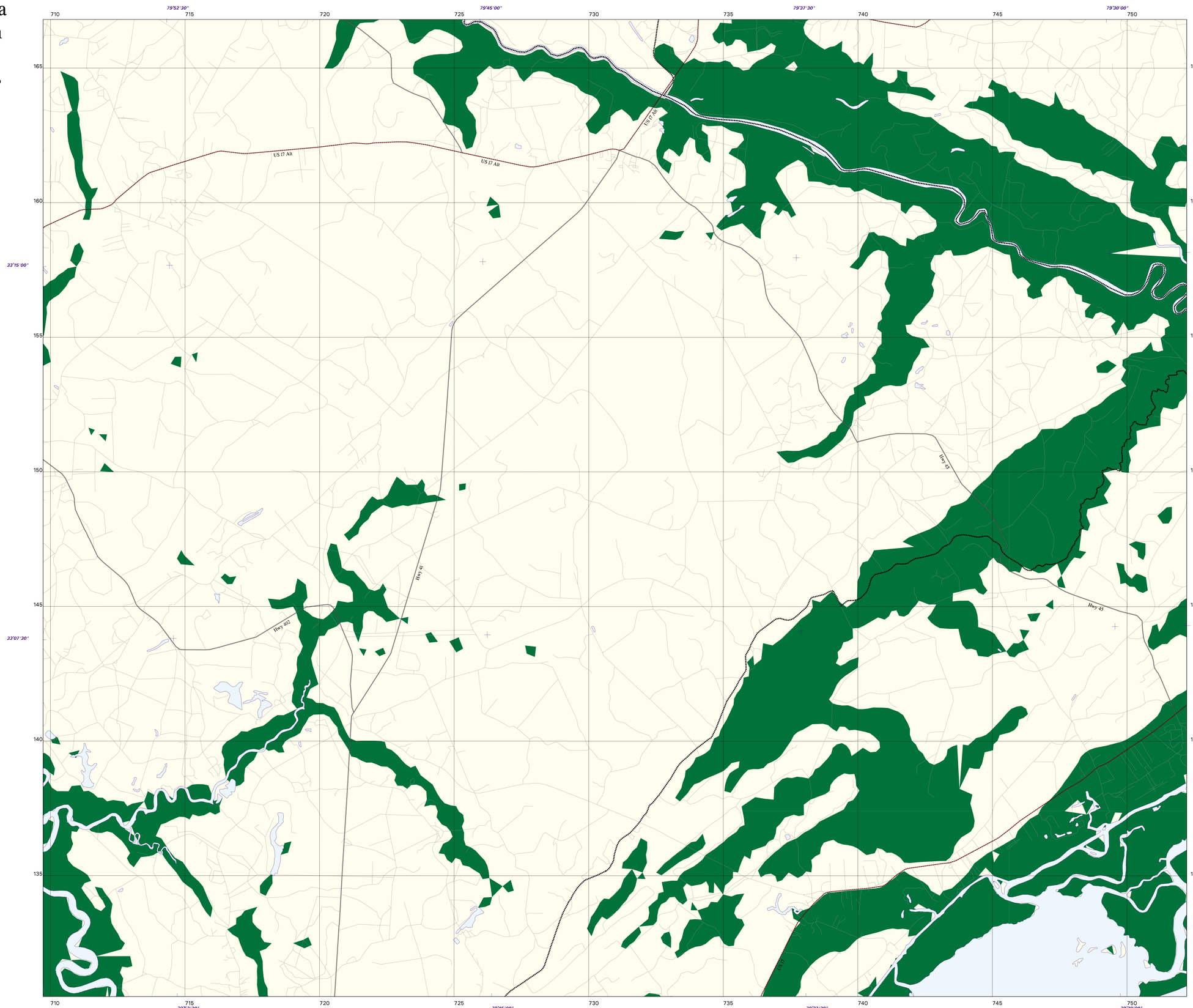
3. Total storm surge limits were determined by interpolating still-water total surge elevations at high tide onto the most current 7.5 minute USGS quadrangle maps. Accuracy and precision of surge limits are governed by the currency, accuracy, and tolerance of the quadrangle maps.

4. This set of maps is to be used in connection with analyzing risks for emergency management and evacuation purposes. They should not be used as a basis for permitting.





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



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.

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

CHARLESTON/BERKELEY/GEORGETOWN COUNTY, SOUTH CAROLINA

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

Plate 12