

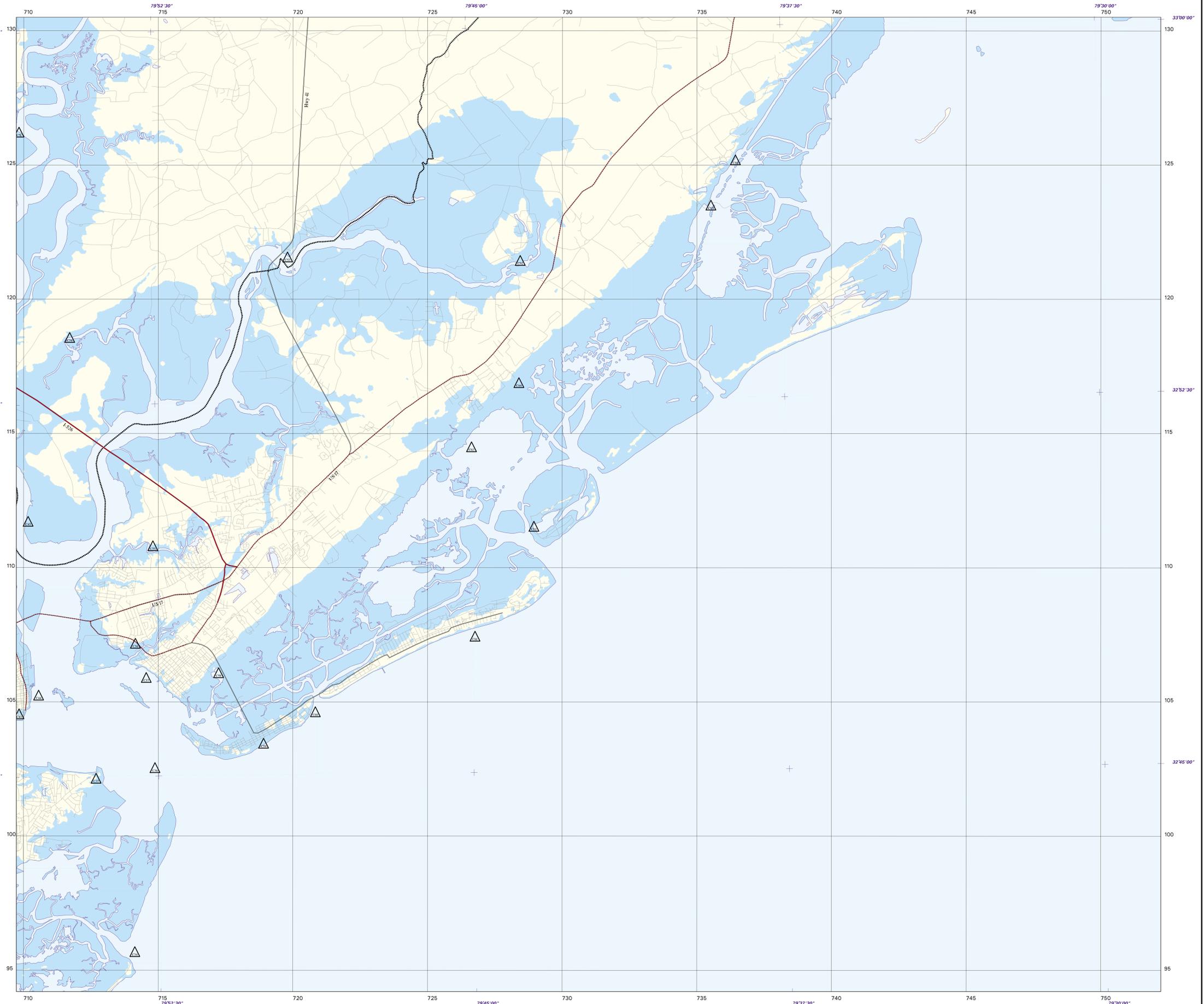
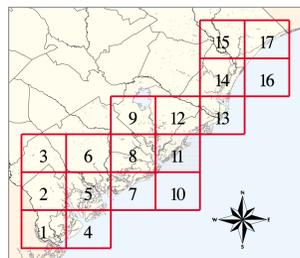
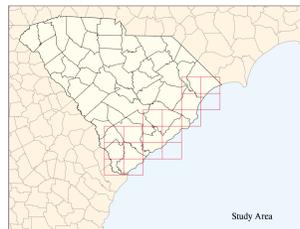
# Coastal South Carolina Hurricane Evacuation Restudy

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
C51	Charleston	7	9	12	14	18
C66	Charleston	10	15	20	24	26
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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.
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Fast (25-35 MPH) Moving Hurricanes  
Category 1 Surge Areas

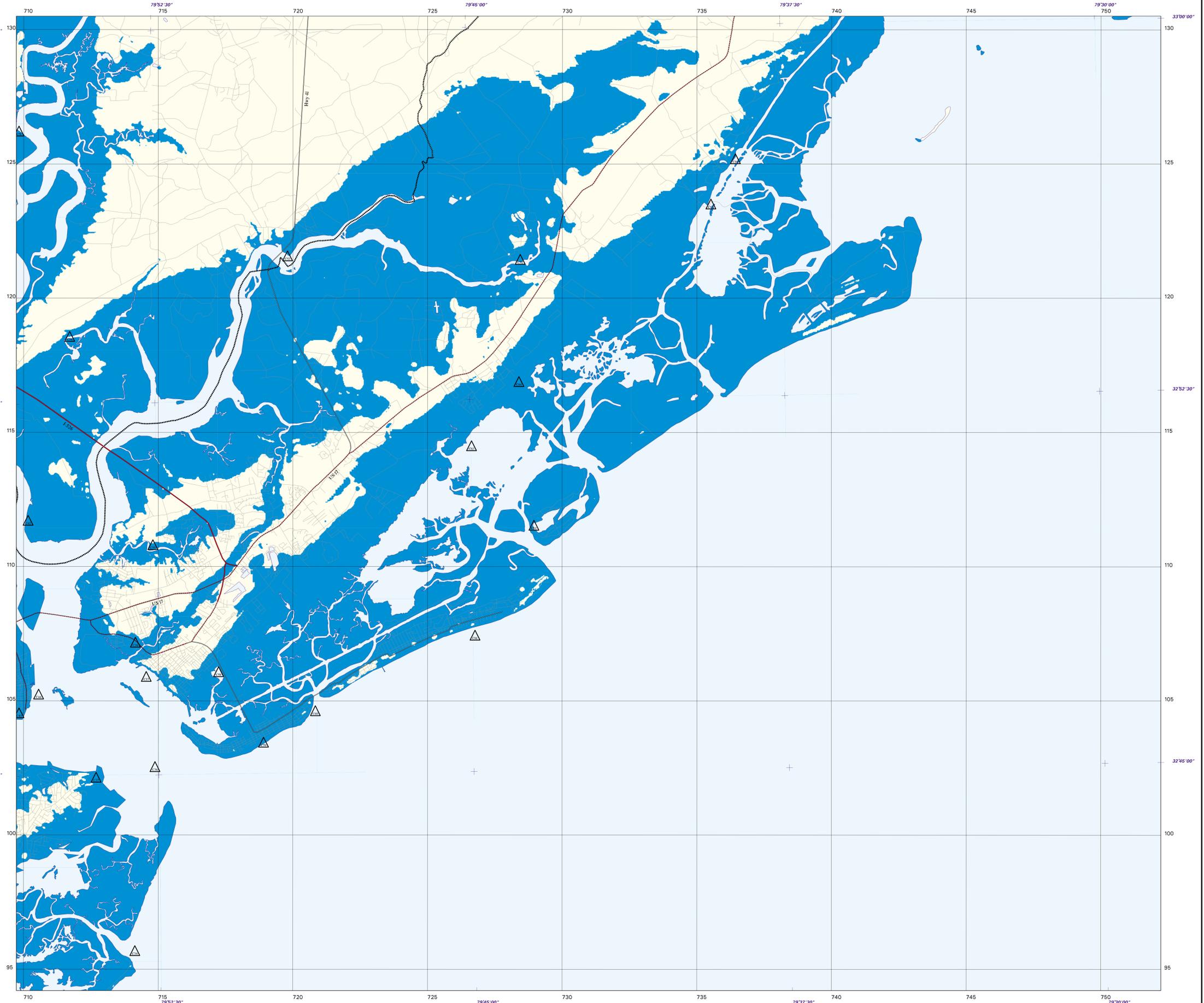
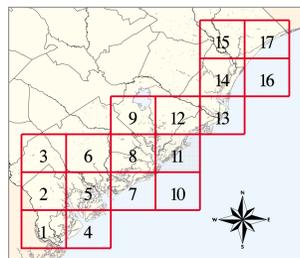
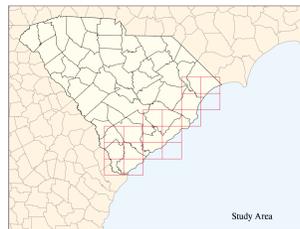
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	Category 1		Interstate
	Category 2		Primary Road
	Category 3		Secondary Road
	Category 4		Light Duty Road
	Category 5		County Boundary
	FEMA Q3 Area		
	Open Water		

SCALE 1:48,000  
One Inch Equals App. 1219 Meters



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



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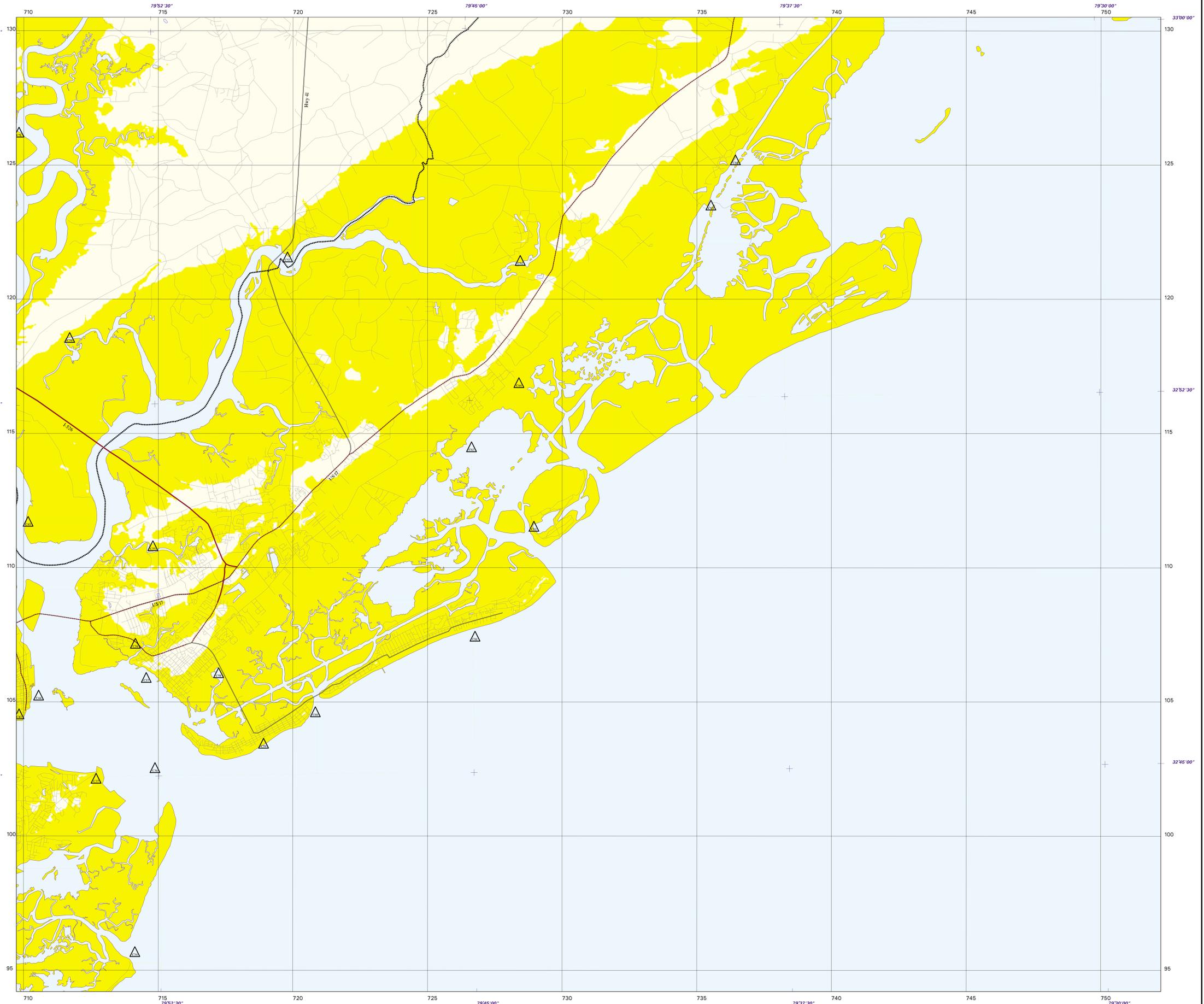
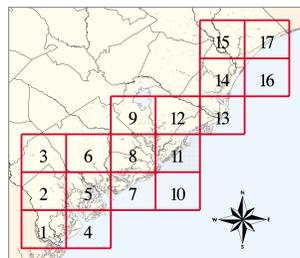
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- Category 1
- Category 2
- Category 3
- Category 4
- Category 5
- FEMA Q3 Area
- Open Water
- Interstate
- Primary Road
- Secondary Road
- Light Duty Road
- County Boundary



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

CHARLESTON/BERKELEY COUNTY, SOUTH CAROLINA  
Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data Plate 11

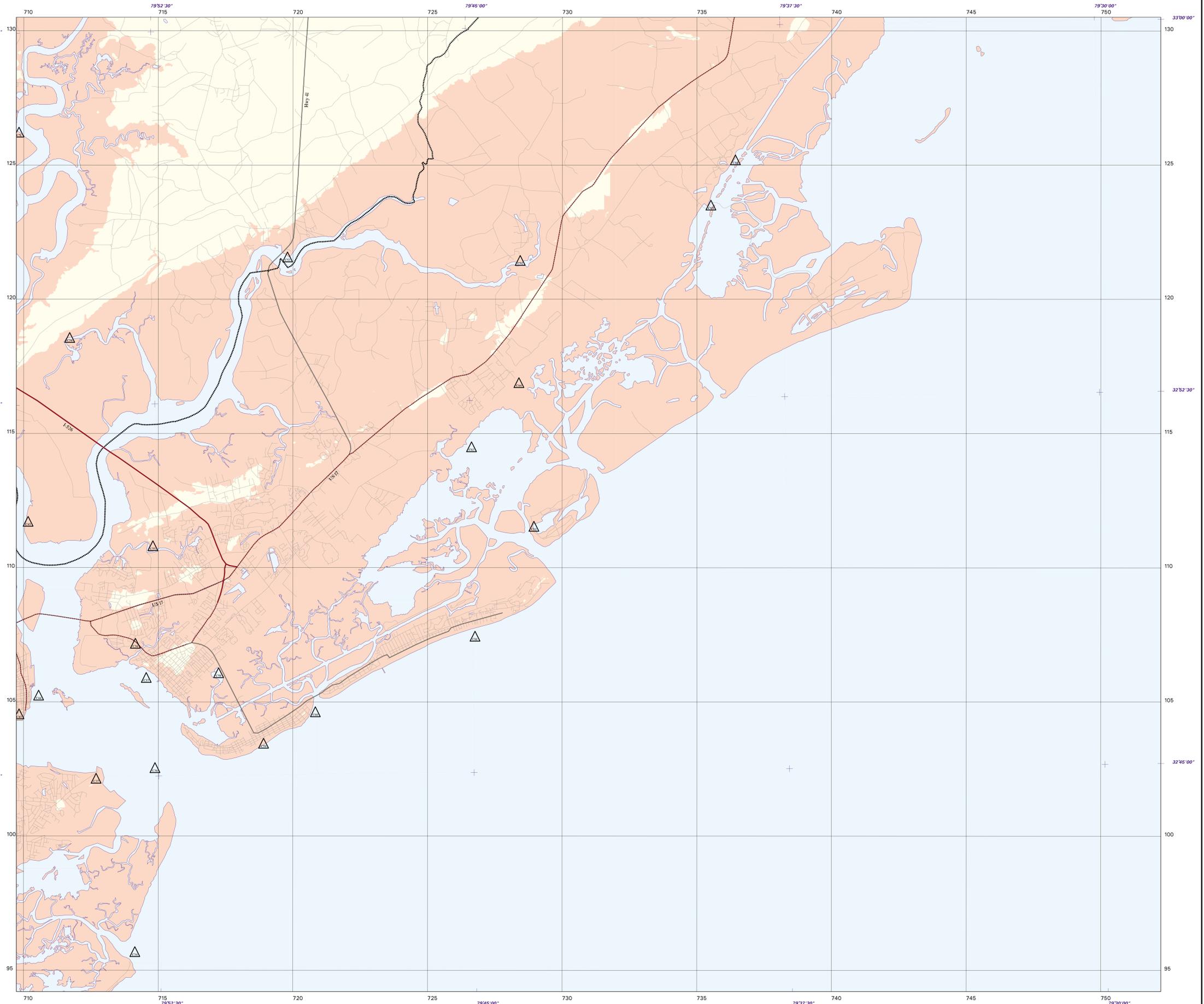
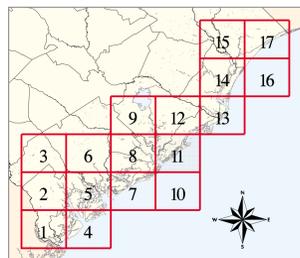
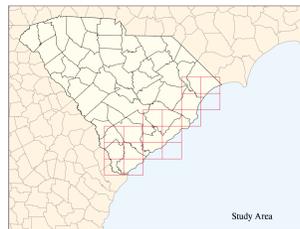
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Storm Surge Heights at Time History Points  
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Fast (25-35 MPH) Moving Hurricanes  
Category 4 Surge Areas

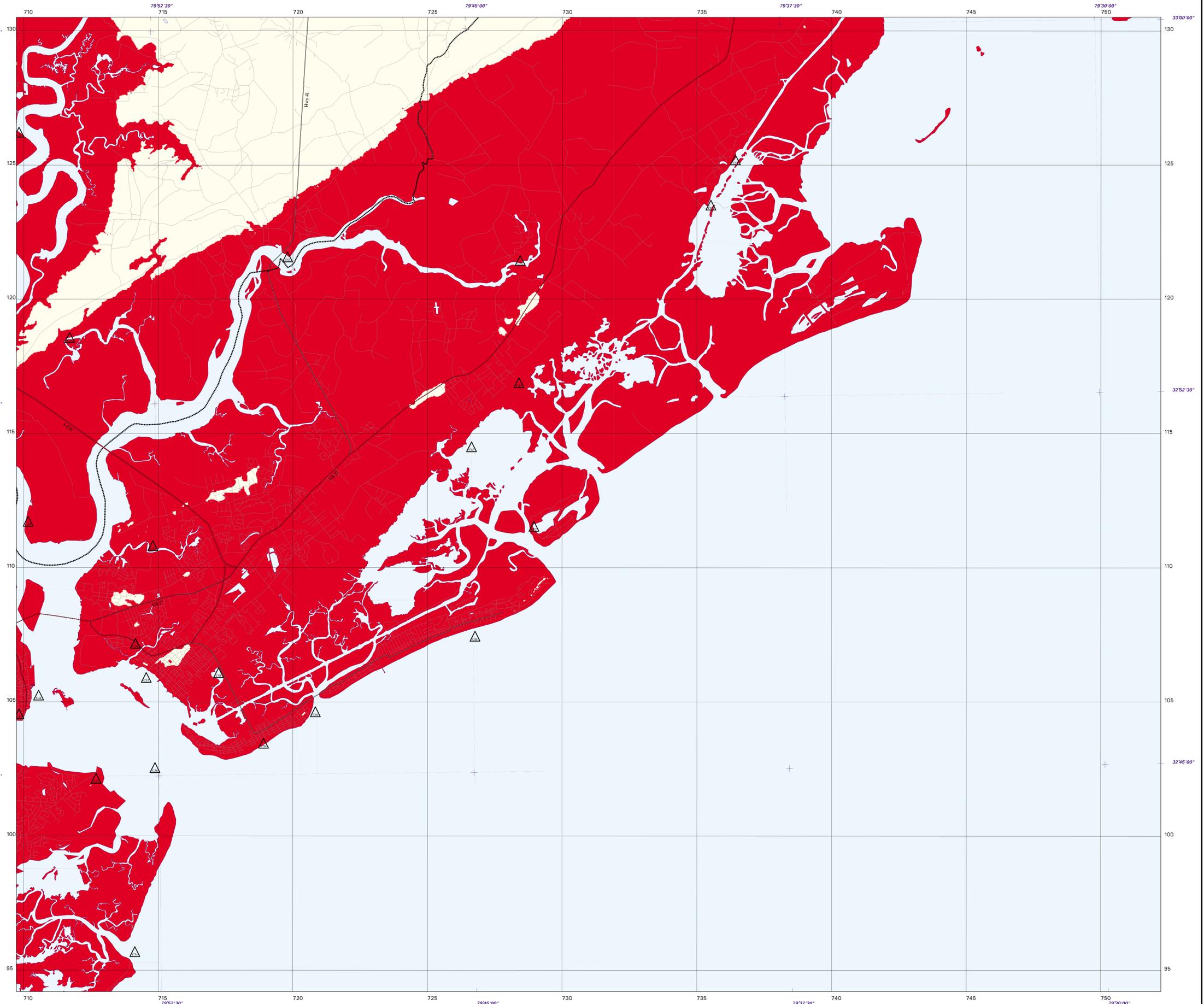
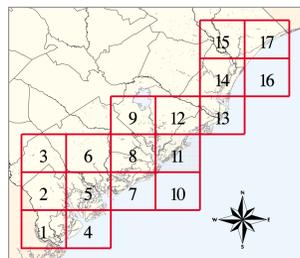
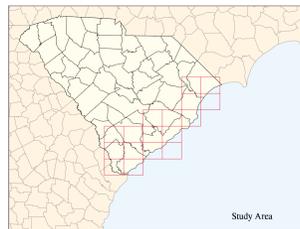
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- Category 1
- Category 2
- Category 3
- Category 4
- Category 5
- FEMA Q3 Area
- Open Water
- Interstate
- Primary Road
- Secondary Road
- Light Duty Road
- County Boundary

SCALE 1:48,000  
One Inch Equals App. 1219 Meters



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

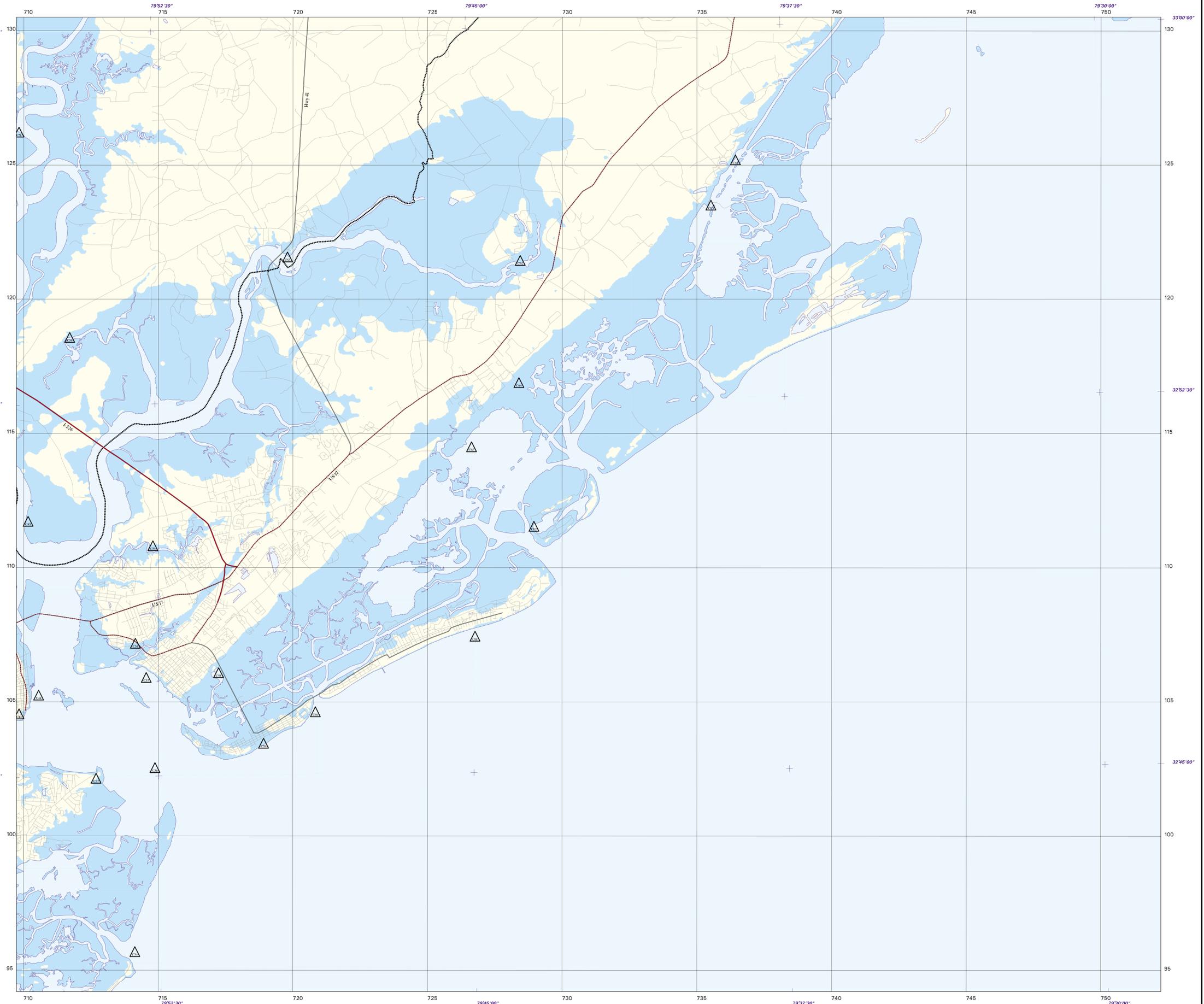
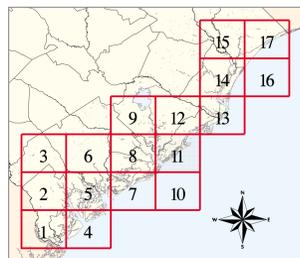
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	Category 1		Interstate
	Category 2		Primary Road
	Category 3		Secondary Road
	Category 4		Light Duty Road
	Category 5		County Boundary
	FEMA Q3 Area		
	Open Water		

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

CHARLESTON/BERKELEY COUNTY, SOUTH CAROLINA  
Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data Plate 11



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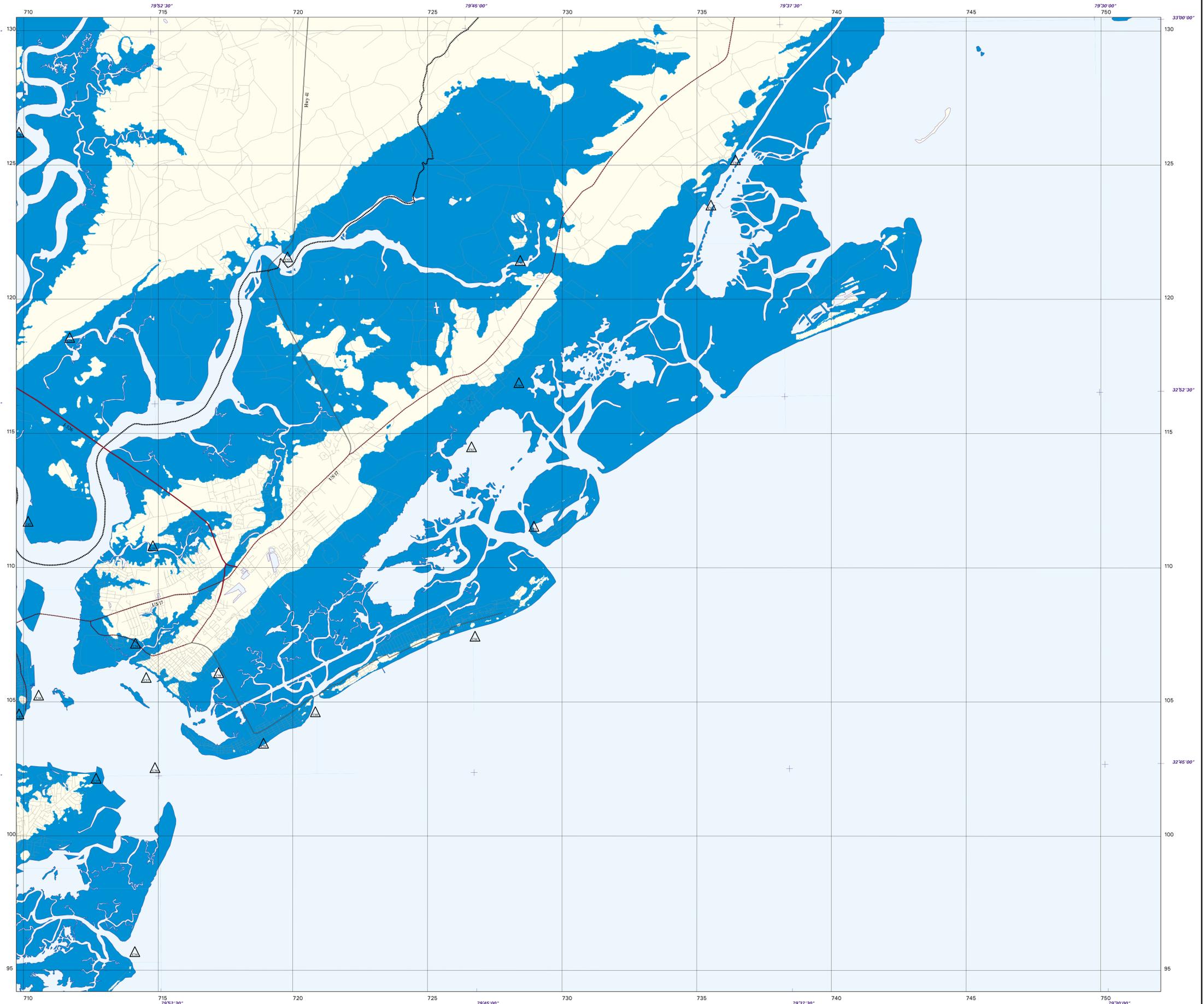
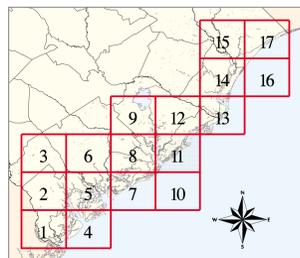
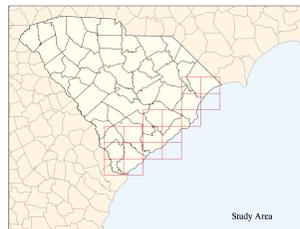
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	Category 1		Interstate
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	Category 5		County Boundary
	FEMA Q3 Area		
	Open Water		

SCALE 1:48,000  
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Normal (5-15 MPH) Moving Hurricanes  
Category 2 Surge Areas

CHARLESTON/BERKELEY COUNTY, SOUTH CAROLINA  
Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data Plate 11



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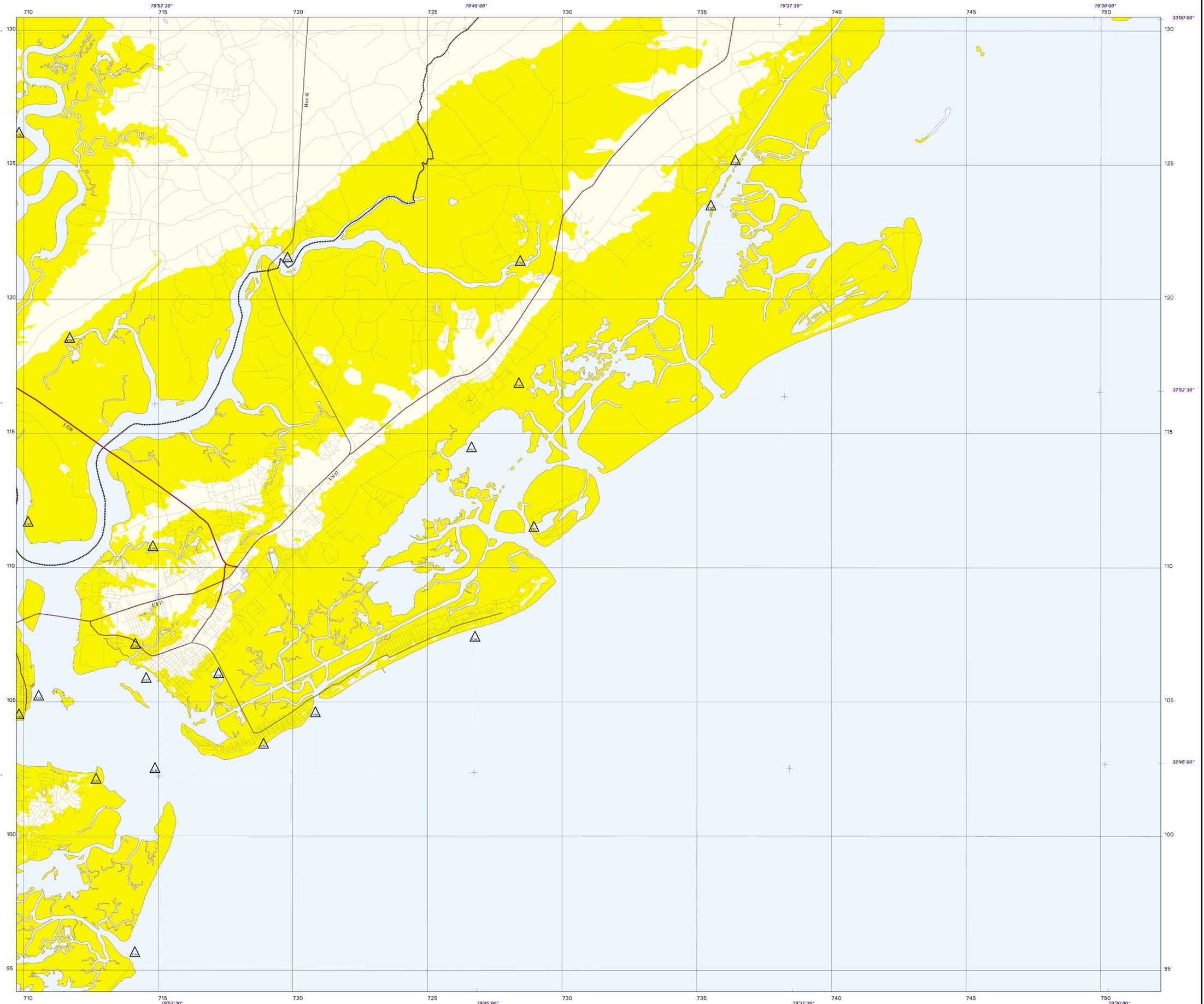
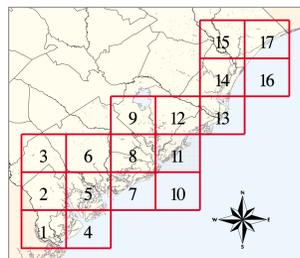
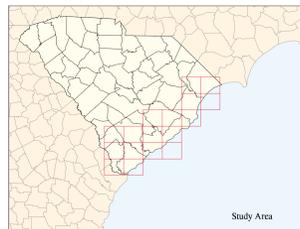
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SCALE 1:48,000  
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Normal (5-15 MPH) Moving Hurricanes  
Category 3 Surge Areas

CHARLESTON/BERKELEY COUNTY, SOUTH CAROLINA  
Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data Plate 11



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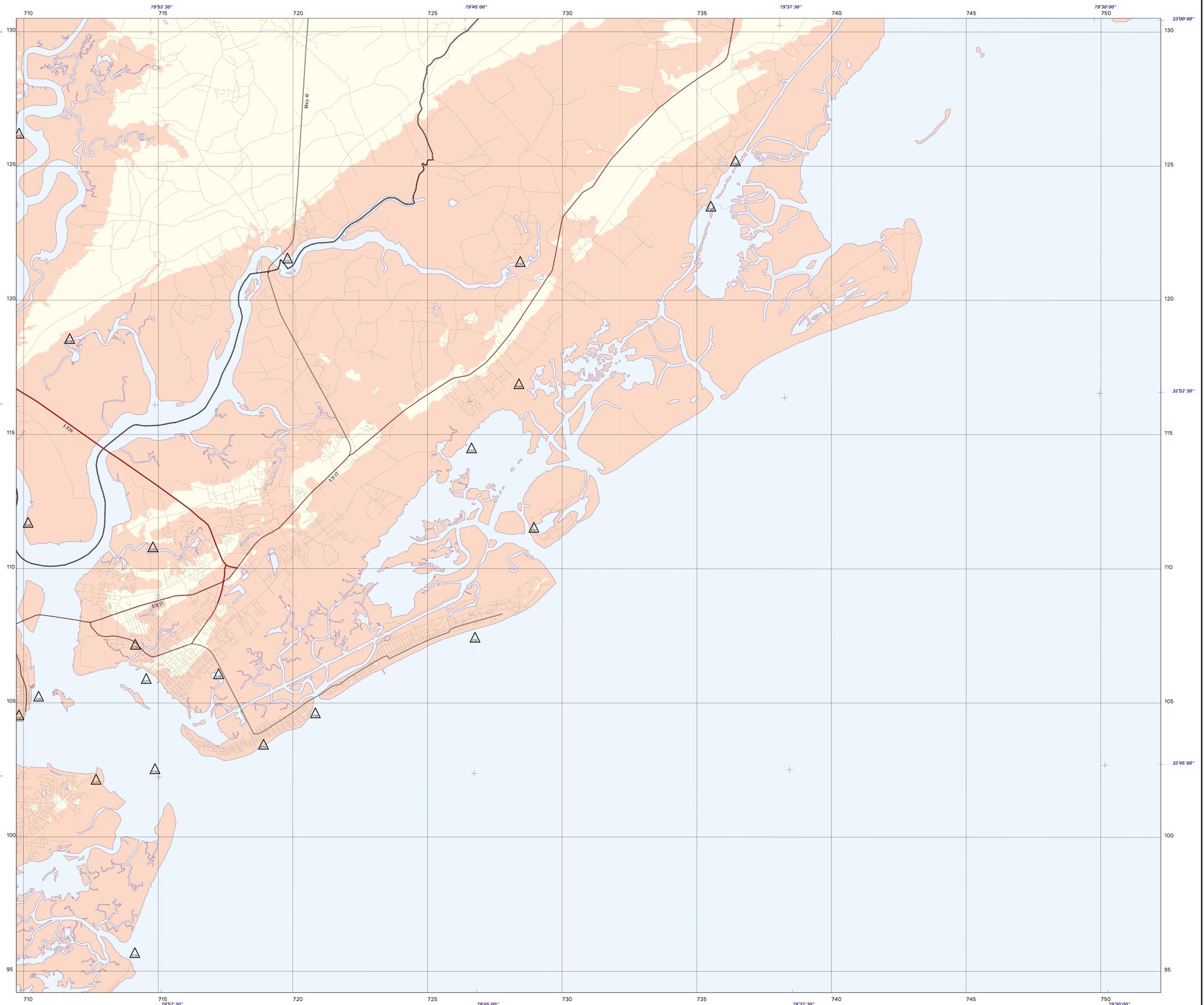
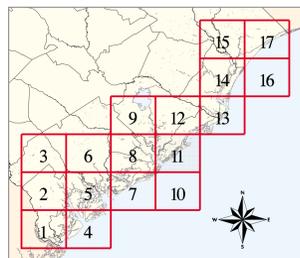
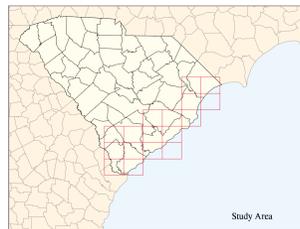
# Coastal South Carolina Hurricane Evacuation Restudy

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
C51	Charleston	9	10	13	15	18
C66	Charleston	8	12	16	19	22
C65	Charleston	8	12	15	19	22
C53	Charleston	8	10	13	15	19
C52	Charleston	8	11	13	16	19
C54	Charleston	8	11	14	16	19
C64	Charleston	8	12	15	19	21
C63	Charleston	8	12	15	19	21
C45	Charleston	8	11	14	17	20
C62	Charleston	7	11	14	18	20
C55	Charleston	8	12	16	19	21
C61	Charleston	7	11	14	17	19
C56	Charleston	8	12	15	19	21
C58	Charleston	8	12	15	18	21
C57	Charleston	8	11	15	18	21
C44	Charleston	8	12	15	19	22
C60	Charleston	7	11	14	17	20
C43	Charleston	8	12	15	19	22
C59	Charleston	8	11	14	17	20
C36	Charleston	8	11	15	18	21
C37	Charleston	8	12	15	18	21
C34	Charleston	7	11	14	16	19

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



The black numbered grid around the map neartline 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.

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

CHARLESTON/BERKELEY COUNTY, SOUTH CAROLINA  
Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data Plate 11



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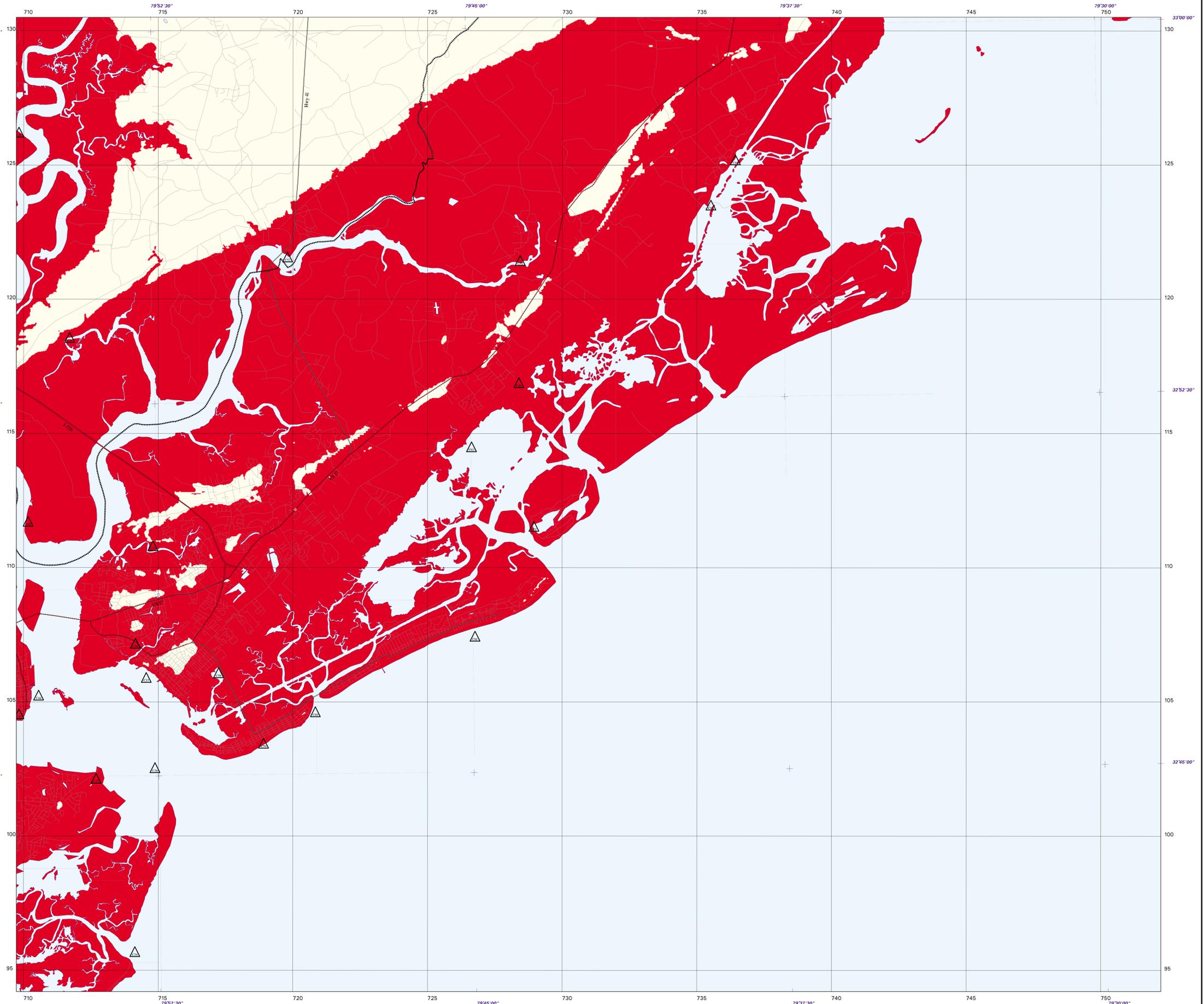
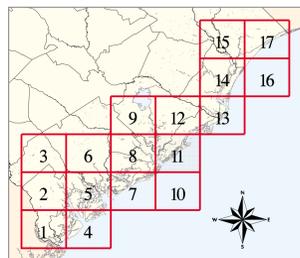
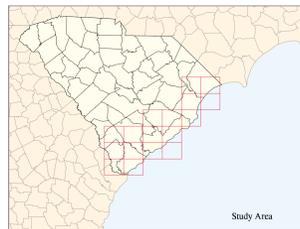
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	Category 1		Interstate
	Category 2		Primary Road
	Category 3		Secondary Road
	Category 4		Light Duty Road
	Category 5		County Boundary
	FEMA Q3 Area		
	Open Water		

SCALE 1:48,000  
One Inch Equals App. 1219 Meters



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



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

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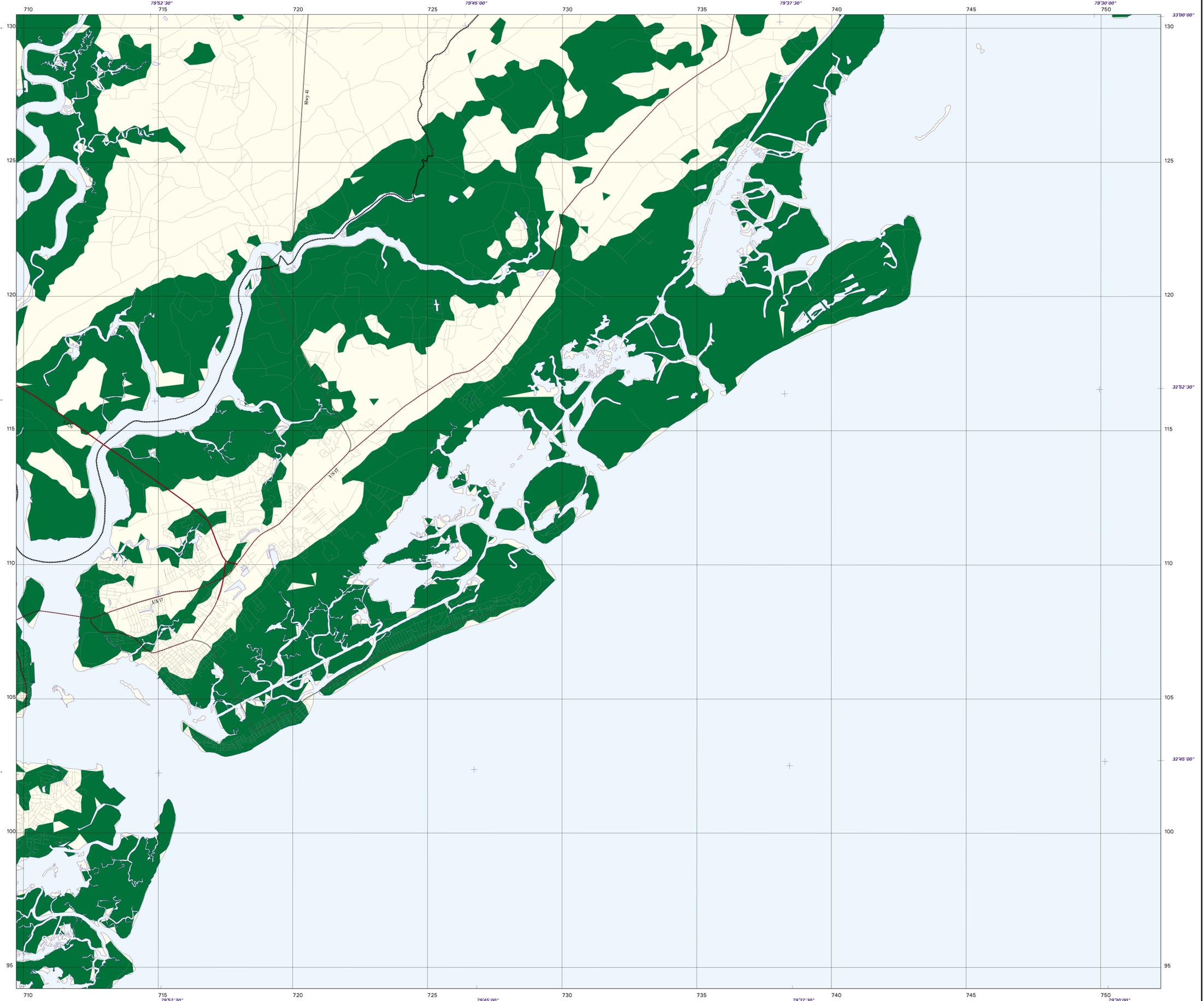
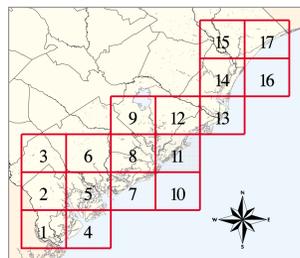
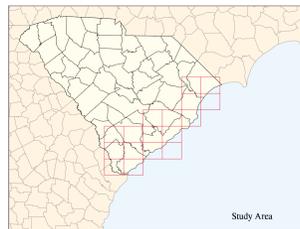
CHARLESTON/BERKELEY COUNTY, SOUTH CAROLINA  
Source: National Hurricane Center (NHC) SLOSH model results and USGS 1:24000 scale topographic data Plate 11

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in Feet Above National Geodetic Vertical Datum (NGVD), 1929

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- County Boundary



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