

ESTIMATES OF HOUSING UNITS SUBJECT TO TIDAL FLOODING - 2000 CENSUS DATA

This map aggregates 2000 census housing unit data by evacuation zone and hurricane tidal flooding vulnerability.

Zone Boundary

Each dot represents one mobile home unit. Dots do not represent exact locations; they are randomly distributed within their respective census block.

CECIL COUNTY VULNERABLE HOUSING UNIT DATA

ZONE	PERMANENTLY OCCUPIED HOUSING UNITS				SEASONALLY OCCUPIED HOUSING UNITS				MOBILE HOMES		TOTAL HSG UNITS
	CAT 1	CAT 2	CAT 3	CAT 4	CAT 1	CAT 2	CAT 3	CAT 4	OCCUPIED	TOTAL	
1	0	0	0	0	0	0	0	0	10	13	235
2	7	6	6	5	6	4	3	2	18	33	364
3	2	7	7	13	1	4	4	10	22	42	386
4	2	2	1	5	2	2	0	5	30	62	603
5	11	6	9	41	4	2	2	11	12	25	535
6	0	0	0	1	0	0	0	0	10	12	223
7	0	0	1	1	0	0	0	0	9	12	68
8	4	15	25	42	0	1	1	3	65	86	466
9	20	25	48	58	13	19	24	21	0	13	794
10	60	67	36	69	12	10	6	9	17	17	1,048
11	7	15	37	349	0	0	1	1	7	7	1,612
12	29	33	17	23	1	2	1	1	0	0	1,110
13	6	3	4	13	2	1	1	5	0	0	488
14	27	34	33	41	3	5	5	5	28	29	817
15	30	143	122	134	0	0	0	0	293	271	2,116
16	29	71	25	68	0	0	0	0	20	20	4,382
17	0	0	0	1	0	0	0	0	364	372	1,156
18	1	2	0	1	0	0	0	0	220	266	676
19	44	75	59	86	13	21	18	23	84	86	1,175
20	1	1	2	40	0	0	0	1	53	63	1,822
21	3	28	44	42	1	7	11	7	360	381	1,742
22	0	0	0	0	0	0	0	0	295	330	2,808
23	0	0	0	0	0	0	0	0	492	556	3,851
24	0	0	0	0	0	0	0	0	139	148	5,904
TOTALS	283	533	476	1,032	58	78	77	104	2,518	2,844	34,383

1 Category 2 through 4 units are in addition to preceding category(ies).

DELMARVA HURRICANE EVACUATION STUDY STORM SURGE MAP/EVACUATION ZONE MAP - CATEGORY 1 CECIL COUNTY, MD

AREAS OF POSSIBLE FLOODING

- CATEGORY 1 HURRICANES
- CATEGORY 2 HURRICANES
- CATEGORY 3 HURRICANES
- CATEGORY 4 HURRICANES

SLOSH MODEL SURGE VALUES (samples)

- 6.7 Cat 1
- 10.0 Cat 2
- 13.8 Cat 3
- 17.4 Cat 4

POTENTIAL FRESHWATER FLOODING FEMA FLOOD INSURANCE RATE MAPS

- 100 YEAR FLOOD
- 500 YEAR FLOOD

This map reflects potential tidal flooding from hurricanes. Potential flood areas are based on storm surge heights calculated by the National Weather Service's SLOSH (Sea, Lake and Overland Surge from Hurricanes) Model. Categories 1 through 4 refer to the Saffir-Simpson scale of hurricane intensity. Storm surge elevations used here represent "worst case" combinations of direction, forward speed, landfall point and astronomical tide for each category. These surge elevations do not include wave heights that may accompany storm surge.

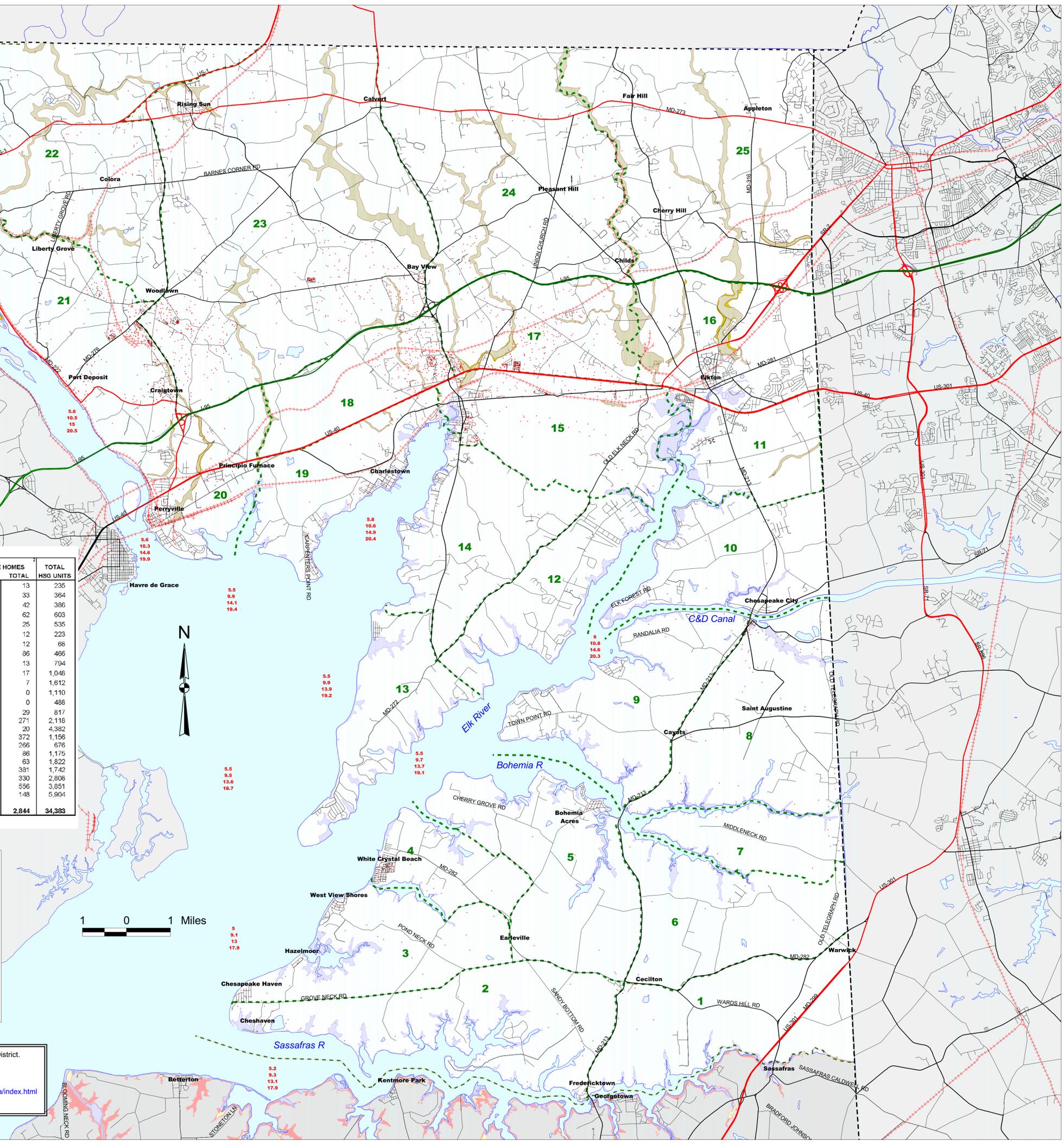
Potential flood areas from National Flood Insurance Program (NFIP) Flood Insurance Rate Maps (FIRM) are shown on this map in order to highlight the potential for flooding caused by rainfall. FIRM flood hazard areas (tidal or freshwater) within SLOSH tidal flooding areas are not shown.

This hurricane storm surge and vulnerability map was produced by the Army Corps of Engineers, Philadelphia District. It is made available for review by Maryland state and local government emergency management and other interested agencies.

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ZONE	PERMANENTLY OCCUPIED HOUSING UNITS				SEASONALLY OCCUPIED HOUSING UNITS				MOBILE HOMES		TOTAL HSG UNITS
	CAT 1	CAT 2	CAT 3	CAT 4	CAT 1	CAT 2	CAT 3	CAT 4	OCCUPIED	TOTAL	
1	0	0	0	0	0	0	0	0	10	13	235
2	7	6	6	5	6	4	3	2	18	33	364
3	2	7	7	13	1	4	4	10	22	42	386
4	2	2	1	5	2	2	0	5	30	62	603
5	11	6	9	41	4	2	2	11	12	25	535
6	0	0	0	1	0	0	0	0	10	12	223
7	0	0	1	1	0	0	0	0	9	12	68
8	4	15	25	42	0	1	1	3	65	86	466
9	20	25	48	58	13	19	24	21	0	13	794
10	60	67	36	69	12	10	6	9	17	17	1,048
11	7	15	37	349	0	0	1	1	7	7	1,612
12	29	33	17	23	1	2	1	1	0	0	1,110
13	6	3	4	13	2	1	1	5	0	0	488
14	27	34	33	41	3	5	5	5	28	29	817
15	30	143	122	134	0	0	0	0	293	271	2,116
16	29	71	25	68	0	0	0	0	20	20	4,382
17	0	0	0	1	0	0	0	0	364	372	1,156
18	1	2	0	1	0	0	0	0	220	266	676
19	44	75	59	86	13	21	18	23	84	86	1,175
20	1	1	2	40	0	0	0	1	53	63	1,822
21	3	28	44	42	1	7	11	7	360	381	1,742
22	0	0	0	0	0	0	0	0	295	330	2,808
23	0	0	0	0	0	0	0	0	492	556	3,851
24	0	0	0	0	0	0	0	0	139	148	5,904
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1 Category 2 through 4 units are in addition to preceding category(ies).

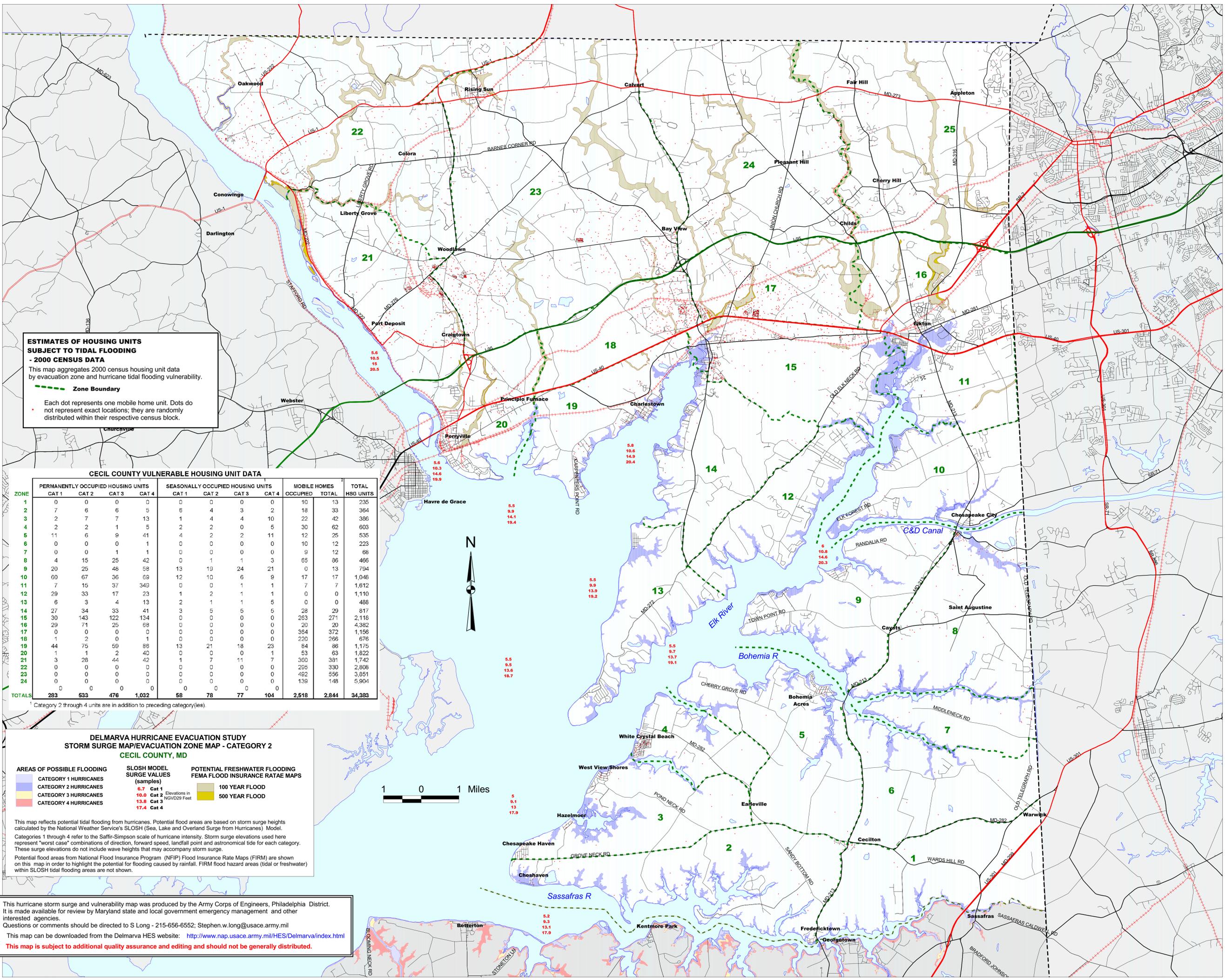
**DELMARVA HURRICANE EVACUATION STUDY
 STORM SURGE MAP/EVACUATION ZONE MAP - CATEGORY 2
 CECIL COUNTY, MD**

AREAS OF POSSIBLE FLOODING	SLOSH MODEL SURGE VALUES (samples)	POTENTIAL FRESHWATER FLOODING FEMA FLOOD INSURANCE RATE MAPS
Category 1 HURRICANES	6.7 Cat 1	100 YEAR FLOOD
Category 2 HURRICANES	10.0 Cat 2	500 YEAR FLOOD
Category 3 HURRICANES	13.8 Cat 3	
Category 4 HURRICANES	17.4 Cat 4	

This map reflects potential tidal flooding from hurricanes. Potential flood areas are based on storm surge heights calculated by the National Weather Service's SLOSH (Sea, Lake and Overland Surge from Hurricanes) Model. Categories 1 through 4 refer to the Saffir-Simpson scale of hurricane intensity. Storm surge elevations used here represent "worst case" combinations of direction, forward speed, landfall point and astronomical tide for each category. These surge elevations do not include wave heights that may accompany storm surge.

Potential flood areas from National Flood Insurance Program (NFIP) Flood Insurance Rate Maps (FIRM) are shown on this map in order to highlight the potential for flooding caused by rainfall. FIRM flood hazard areas (tidal or freshwater) within SLOSH tidal flooding areas are not shown.

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ESTIMATES OF HOUSING UNITS SUBJECT TO TIDAL FLOODING - 2000 CENSUS DATA
 This map aggregates 2000 census housing unit data by evacuation zone and hurricane tidal flooding vulnerability.

Zone Boundary

Each dot represents one mobile home unit. Dots do not represent exact locations; they are randomly distributed within their respective census block.

CECIL COUNTY VULNERABLE HOUSING UNIT DATA

ZONE	PERMANENTLY OCCUPIED HOUSING UNITS				SEASONALLY OCCUPIED HOUSING UNITS				MOBILE HOMES OCCUPIED		TOTAL HSG UNITS
	CAT 1	CAT 2	CAT 3	CAT 4	CAT 1	CAT 2	CAT 3	CAT 4	TOTAL		
1	0	0	0	0	0	0	0	0	10	13	235
2	7	6	6	5	6	4	3	2	18	33	364
3	2	7	7	13	1	4	4	10	22	42	386
4	2	2	1	5	2	2	0	5	30	62	603
5	11	6	9	41	4	2	2	11	12	25	535
6	0	0	0	1	0	0	0	0	10	12	223
7	0	0	1	1	0	0	0	0	9	12	68
8	4	15	25	42	0	1	1	3	65	86	466
9	20	25	48	58	13	19	24	21	0	13	794
10	60	67	36	69	12	10	6	9	17	17	1,048
11	7	15	37	349	0	0	1	1	7	7	1,612
12	29	33	17	23	1	2	1	1	0	0	1,110
13	6	3	4	13	2	1	1	5	0	0	488
14	27	34	33	41	3	5	5	5	28	29	817
15	30	143	122	134	0	0	0	0	293	271	2,116
16	29	71	25	68	0	0	0	0	20	20	4,382
17	0	0	0	1	0	0	0	0	364	372	1,156
18	1	2	0	1	0	0	0	0	220	266	676
19	44	75	59	86	13	21	18	23	84	86	1,175
20	1	1	2	40	0	0	0	1	53	63	1,822
21	3	28	44	42	1	7	11	7	360	381	1,742
22	0	0	0	0	0	0	0	0	295	330	2,808
23	0	0	0	0	0	0	0	0	492	556	3,851
24	0	0	0	0	0	0	0	0	139	148	5,904
TOTALS	283	533	476	1,032	58	78	77	104	2,518	2,844	34,383

1 Category 2 through 4 units are in addition to preceding category(ies).

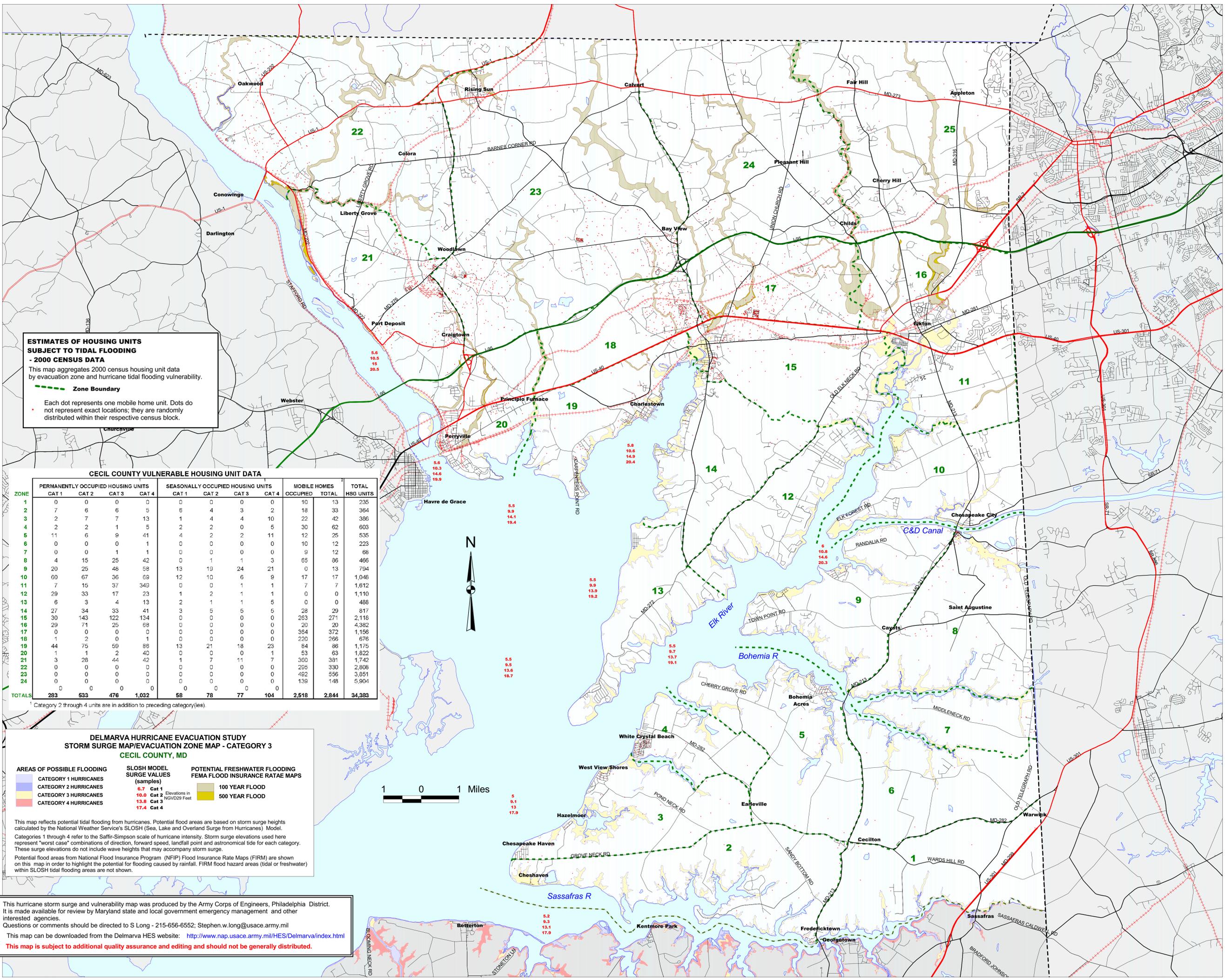
**DELMARVA HURRICANE EVACUATION STUDY
 STORM SURGE MAP/EVACUATION ZONE MAP - CATEGORY 3
 CECIL COUNTY, MD**

AREAS OF POSSIBLE FLOODING	SLOSH MODEL SURGE VALUES (samples)	POTENTIAL FRESHWATER FLOODING FEMA FLOOD INSURANCE RATE MAPS
CATEGORY 1 HURRICANES	6.7 Cat 1	100 YEAR FLOOD
CATEGORY 2 HURRICANES	10.0 Cat 2	500 YEAR FLOOD
CATEGORY 3 HURRICANES	13.8 Cat 3	
CATEGORY 4 HURRICANES	17.4 Cat 4	

This map reflects potential tidal flooding from hurricanes. Potential flood areas are based on storm surge heights calculated by the National Weather Service's SLOSH (Sea, Lake and Overland Surge from Hurricanes) Model. Categories 1 through 4 refer to the Saffir-Simpson scale of hurricane intensity. Storm surge elevations used here represent "worst case" combinations of direction, forward speed, landfall point and astronomical tide for each category. These surge elevations do not include wave heights that may accompany storm surge.

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ESTIMATES OF HOUSING UNITS SUBJECT TO TIDAL FLOODING - 2000 CENSUS DATA

This map aggregates 2000 census housing unit data by evacuation zone and hurricane tidal flooding vulnerability.

Zone Boundary

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CECIL COUNTY VULNERABLE HOUSING UNIT DATA

ZONE	PERMANENTLY OCCUPIED HOUSING UNITS				SEASONALLY OCCUPIED HOUSING UNITS				MOBILE HOMES OCCUPIED		TOTAL HSG UNITS
	CAT 1	CAT 2	CAT 3	CAT 4	CAT 1	CAT 2	CAT 3	CAT 4	TOTAL	13	
1	0	0	0	0	0	0	0	0	10	13	235
2	7	6	6	5	6	4	3	2	18	33	364
3	2	7	7	13	1	4	4	10	22	42	386
4	2	2	1	5	2	2	0	5	30	62	603
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6	0	0	0	1	0	0	0	0	10	12	223
7	0	0	1	1	0	0	0	0	9	12	68
8	4	15	25	42	0	1	1	3	65	86	466
9	20	25	48	58	13	19	24	21	0	13	794
10	60	67	36	69	12	10	6	9	17	17	1,048
11	7	15	37	349	0	0	1	1	7	7	1,612
12	29	33	17	23	1	2	1	1	0	0	1,110
13	6	3	4	13	2	1	1	5	0	0	488
14	27	34	33	41	3	5	5	5	28	29	817
15	30	143	122	134	0	0	0	0	293	271	2,116
16	29	71	25	68	0	0	0	0	20	20	4,382
17	0	0	0	1	0	0	0	0	364	372	1,156
18	1	2	0	1	0	0	0	0	220	256	676
19	44	75	59	86	13	21	18	23	84	86	1,175
20	1	1	2	40	0	0	0	1	53	63	1,822
21	3	28	44	42	1	7	11	7	360	381	1,742
22	0	0	0	0	0	0	0	0	295	330	2,808
23	0	0	0	0	0	0	0	0	492	556	3,851
24	0	0	0	0	0	0	0	0	139	148	5,904
TOTALS	283	533	476	1,032	58	78	77	104	2,518	2,844	34,383

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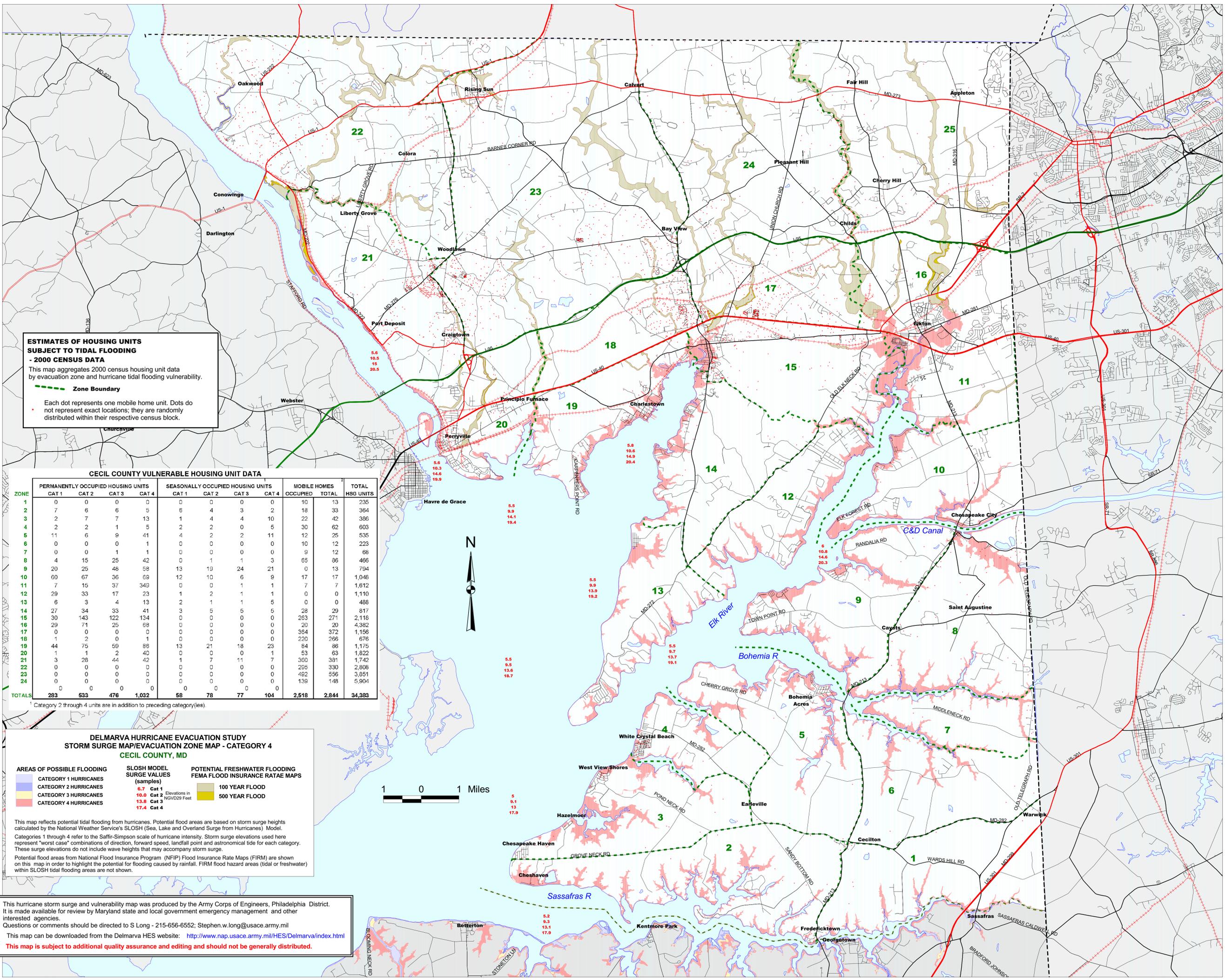
DELMARVA HURRICANE EVACUATION STUDY STORM SURGE MAP/EVACUATION ZONE MAP - CATEGORY 4 CECIL COUNTY, MD

AREAS OF POSSIBLE FLOODING	SLOSH MODEL SURGE VALUES (samples)	POTENTIAL FRESHWATER FLOODING FEMA FLOOD INSURANCE RATE MAPS
CATEGORY 1 HURRICANES	6.7 Cat 1	100 YEAR FLOOD
CATEGORY 2 HURRICANES	10.0 Cat 2	500 YEAR FLOOD
CATEGORY 3 HURRICANES	13.8 Cat 3	
CATEGORY 4 HURRICANES	17.4 Cat 4	

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Zone Boundary

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CECIL COUNTY VULNERABLE HOUSING UNIT DATA

ZONE	PERMANENTLY OCCUPIED HOUSING UNITS				SEASONALLY OCCUPIED HOUSING UNITS				MOBILE HOMES		TOTAL HSG UNITS
	CAT 1	CAT 2	CAT 3	CAT 4	CAT 1	CAT 2	CAT 3	CAT 4	OCCUPIED	TOTAL	
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2	7	6	6	5	6	4	3	2	18	33	364
3	2	7	7	13	1	4	4	10	22	42	386
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11	7	15	37	349	0	0	1	1	7	7	1,612
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14	27	34	33	41	3	5	5	5	28	29	817
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**DELMARVA HURRICANE EVACUATION STUDY
STORM SURGE MAP/EVACUATION ZONE MAP - ALL CATEGORIES
CECIL COUNTY, MD**

AREAS OF POSSIBLE FLOODING	SLOSH MODEL SURGE VALUES (samples)	POTENTIAL FRESHWATER FLOODING FEMA FLOOD INSURANCE RATE MAPS
CATEGORY 1 HURRICANES	6.7 Cat 1	100 YEAR FLOOD
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