DELMARVA HURRICANE EVACUATION STUDY
STORM SURGE MAP/EVACUATION ZONE MAP - ALL CATEGORIES
CAROLINE COUNTY, MD

AREAS OF POSSIBLE FLOODING

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

SLOSH MODEL SURGE VALUES (samples)

Elevations in NGVD29 Feet

- 6.7 Cat 1
- 10.0 Cat 2
- 13.8 Cat 3
- 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.

CAROLINE COUNTY VULNERABLE HOUSING UNIT DATA

ZONE	PERMANENTLY OCCUPIED HOUSING UNITS[1] CAT 1	CAT 2	CAT 3	CAT 4	MOBILE HOMES[2] OCCUPIED	TOTAL	TOTAL HSG UNITS
1	33	28	29	21	20	23	130
2	5	23	25	23	6	6	89
3	0	1	7	25	5	5	35
4	0	1	3	3	0	0	8
5	0	0	1	4	0	0	5
6	0	0	0	0	0	0	0
7	1	2	7	2	1	1	14
8	12	85	117	20	20	21	258
9	0	0	0	0	0	0	0
10	0	2	2	1	0	0	5
11	0	0	0	0	0	0	0
12	3	4	8	22	3	5	42
13	2	1	3	6	0	0	12
14	4	1	1	1	0	0	7
15	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0
17	9	3	15	13	0	0	45
18	5	4	6	11	0	0	26
19	0	0	0	0	0	0	0
20	3	0	1	4	0	0	8
21	1	2	3	11	1	1	20
22	3	1	7	21	1	1	39
23	0	0	0	6	0	0	6
24	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0
TOTALS	81	158	235	194	57	63	749

[1] Category 2 through 4 units are in addition to preceding category(ies).
[2] Mobile homes can be seasonal housing units and vice versa.

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. Mobile home units located in Category 1 and 2 inundation areas are not shown. Dots do not represent exact locations; they are randomly distributed within their respective census block.

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LIMIT OF LIDAR-BASED GROUND ELEVATION DATA
LIDAR COVERAGE SOUTH OF THIS LINE

LIDAR COVERAGE WEST OF THIS LINE
LIMIT OF LIDAR-BASED GROUND ELEVATION DATA

Templeville
Marydel
Henderson
Goldsboro
Bridgetown
Ingleside
Roe
Baltimore Corner
Oakland
Greensboro
Boonsboro
Whiteleysburg
Queen Anne
Hillsboro
Denton
Burrsville
Hobbs
Longwoods
Andersontown
Potters Landing
Concord
Matthews
Harmony
American Corner
Smithville
Tanyard
Bethlehem
Preston
Easton
Windyhill
Choptank
Trappe
Williamsburg

MD-302, MD-405, MD-313, MD-314, MD-480, MD-309, MD-404, MD-662, MD-328, MD-331, MD-578, MD-318, MD-16, MD-577, RELIANCE, HOURGLASS RD, SR-8, SANDTOWN, SR-14, SR-18, RABBIT HILL RD, KINGSTON LANDING RD, BRUCEVILLE RD, CLARKS WHARF RD, KATES POINT RD, BLINK HORN RD, WYE L

4.7 8.1 11.4 16.2
4.1 10.1 14.3 17.5

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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This map can be downloaded from the Delmarva HES website: http://www.nap.usace.army.mil/HES/Delmarva/index.html

This map is subject to additional quality assurance and editing and should not be generally distributed.