## QUEEN ANNES COUNTY VULNERABLE HOUSING UNIT DATA

| ZONE | PERMANENTLY OCCUPIED HOUSING UNITS[1] CAT 1 | CAT 2 | CAT 3 | CAT 4 | SEASONALLY OCCUPIED HOUSING UNITS[1] CAT 1 | CAT 2 | CAT 3 | CAT 4 | HOTEL/MOTEL UNITS[1] CAT 1 | CAT 2 | CAT 3 | CAT 4 | MOBILE HOMES[2] OCCUPIED | TOTAL | TOTAL HSG UNITS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 226 | 398 | 730 | 577 | 11 | 26 | 52 | 35 | 13 | 0 | 0 | 0 | 25 | 39 | 3,013 |
| 2 | 77 | 102 | 282 | 828 | 4 | 4 | 15 | 42 | 0 | 0 | 4 | 0 | 17 | 17 | 2,047 |
| 3 | 153 | 161 | 323 | 562 | 4 | 3 | 6 | 14 | 2 | 97 | 0 | 0 | 35 | 35 | 1,727 |
| 4 | 206 | 193 | 170 | 41 | 44 | 41 | 35 | 8 | 2 | 0 | 123 | 0 | 68 | 68 | 835 |
| 5 | 76 | 108 | 178 | 304 | 4 | 5 | 13 | 23 | 0 | 0 | 0 | 0 | 104 | 104 | 1,663 |
| 6 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 7 | 9 | 4 | 19 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 344 |
| 8 | 13 | 23 | 36 | 62 | 1 | 1 | 2 | 3 | 0 | 5 | 0 | 0 | 55 | 55 | 1,466 |
| 9 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 25 | 521 |
| 10 | 15 | 14 | 21 | 30 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 54 | 56 | 1,758 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 23 | 23 | 315 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 80 | 91 | 784 |
| 13 | 26 | 15 | 11 | 65 | 2 | 1 | 1 | 4 | 3 | 0 | 0 | 0 | 201 | 221 | 1,656 |
| 14 | 8 | 5 | 1 | 4 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 71 | 75 | 433 |
| TOTALS | **809** | **1,023** | **1,772** | **2,496** | **71** | **81** | **124** | **130** | **24** | **102** | **127** | **0** | **774** | **825** | **16,673** |

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

[2] Mobile homes can be seasonal housing units and vice versa.

# DELMARVA HURRICANE EVACUATION STUDY
## STORM SURGE MAP/EVACUATION ZONE MAP - CATEGORY 1
### QUEEN ANNES 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

**POTENTIAL FRESHWATER FLOODING FEMA FLOOD INSURANCE RATAE 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.

**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.

N

1 0 1 Miles

Millington, Kingstown, Dudley Corners, Barclay, Church Hill, Rock Hall, Quaker Neck Landing, Love Point, Overton, Centreville, Carville, Roe, Henderson, Ruthsburg, Goldsboro, Bridgetown, Stevensville, Chester, Queenstown, Grasonville, Greensboro, Matapeake, Dominion, Bryantown, Wye Mills, Boonsboro, Normans, Prospect Bay, Cheston on the Wye, Queen Anne, Hillsboro, Mattapex, Bennetts Point, Cordova, Denton, Romancoke, Kent Point

Zones: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

US-50, US-301, MD-18, MD-20, MD-213, MD-291, MD-544, MD-300, MD-302, MD-19, MD-289, MD-288, MD-445, MD-684, MD-304, MD-313, MD-405, MD-309, MD-404, MD-662, MD-328, MD-16, LANDS END RD, MURPHY RD, TILGHMANS NECK RD, WYE LANDING LN, WYE ISLAND RD, BRUEES ISLAND RD, BRICH NECK RD, PERRYS CORNER RD, KENT POINT RD

This hurricane storm surge and vulnerability map was produced by the Army Corps of Engineers, Philadelphia District. It is made available for review by Marylandstate and local government emergency management and other interested agencies.
Questions or comments should be directed to S Long - 215-656-6552; Stephen.w.long@usace.army.mil

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.**

## QUEEN ANNES COUNTY VULNERABLE HOUSING UNIT DATA

| ZONE | PERMANENTLY OCCUPIED HOUSING UNITS[1] CAT 1 | CAT 2 | CAT 3 | CAT 4 | SEASONALLY OCCUPIED HOUSING UNITS[1] CAT 1 | CAT 2 | CAT 3 | CAT 4 | HOTEL/MOTEL UNITS[1] CAT 1 | CAT 2 | CAT 3 | CAT 4 | MOBILE HOMES[2] OCCUPIED | TOTAL | TOTAL HSG UNITS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 226 | 398 | 730 | 577 | 11 | 26 | 52 | 35 | 13 | 0 | 0 | 0 | 25 | 39 | 3,013 |
| 2 | 77 | 102 | 282 | 828 | 4 | 4 | 15 | 42 | 0 | 0 | 4 | 0 | 17 | 17 | 2,047 |
| 3 | 153 | 161 | 323 | 562 | 4 | 3 | 6 | 14 | 2 | 97 | 0 | 0 | 35 | 35 | 1,727 |
| 4 | 206 | 193 | 170 | 41 | 44 | 41 | 35 | 8 | 2 | 0 | 123 | 0 | 68 | 68 | 835 |
| 5 | 76 | 108 | 178 | 304 | 4 | 5 | 13 | 23 | 0 | 0 | 0 | 0 | 104 | 104 | 1,663 |
| 6 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 7 | 9 | 4 | 19 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 344 |
| 8 | 13 | 23 | 36 | 62 | 1 | 1 | 2 | 3 | 0 | 5 | 0 | 0 | 55 | 55 | 1,466 |
| 9 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 25 | 521 |
| 10 | 15 | 14 | 21 | 30 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 54 | 56 | 1,758 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 23 | 23 | 315 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 80 | 91 | 784 |
| 13 | 26 | 15 | 11 | 65 | 2 | 1 | 1 | 4 | 3 | 0 | 0 | 0 | 201 | 221 | 1,656 |
| 14 | 8 | 5 | 1 | 4 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 71 | 75 | 433 |
| TOTALS | 809 | 1,023 | 1,772 | 2,496 | 71 | 81 | 124 | 130 | 24 | 102 | 127 | 0 | 774 | 825 | 16,673 |

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

[2] Mobile homes can be seasonal housing units and vice versa.

# DELMARVA HURRICANE EVACUATION STUDY
## STORM SURGE MAP/EVACUATION ZONE MAP - CATEGORY 2
### QUEEN ANNES 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

**POTENTIAL FRESHWATER FLOODING FEMA FLOOD INSURANCE RATAE 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.

**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.

N

1 0 1 Miles

Millington, Kingstown, Dudley Corners, Barclay, Church Hill, Quaker Neck Landing, Rock Hall, Love Point, Overton, Centreville, Carville, Roe, Henderson, Ruthsburg, Queenstown, Stevensville, Chester, Grasonville, Matapeake, Dominion, Normans, Bryantown, Prospect Bay, Cheston on the Wye, Wye Mills, Mattapex, Romancoke, Bennetts Point, Kent Point, Cordova, Queen Anne, Hillsboro, Denton, Goldsboro, Bridgetown, Greensboro, Boonsboro

Zones: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

MD-291, MD-213, MD-544, MD-514, MD-684, MD-20, MD-289, MD-288, MD-445, MD-18, MD-662, MD-309, MD-404, MD-328, MD-300, MD-302, MD-19, MD-313, MD-405, MD-304, MD-16, US-301, US-50, LANDS END RD, MURPHY RD, TILGHMANS NECK RD, KENT POINT RD, CHERRYS CORNER RD, WYE ISLAND RD, WYE LANDING LN, BRUEES ISLAND RD, RIGHTNECK RD, RABBIT HILL

This hurricane storm surge and vulnerability map was produced by the Army Corps of Engineers, Philadelphia District. It is made available for review by Marylandstate and local government emergency management and other interested agencies.
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## QUEEN ANNES COUNTY VULNERABLE HOUSING UNIT DATA

| ZONE | PERMANENTLY OCCUPIED HOUSING UNITS[1] CAT 1 | CAT 2 | CAT 3 | CAT 4 | SEASONALLY OCCUPIED HOUSING UNITS[1] CAT 1 | CAT 2 | CAT 3 | CAT 4 | HOTEL/MOTEL UNITS[1] CAT 1 | CAT 2 | CAT 3 | CAT 4 | MOBILE HOMES[2] OCCUPIED | TOTAL | TOTAL HSG UNITS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 226 | 398 | 730 | 577 | 11 | 26 | 52 | 35 | 13 | 0 | 0 | 0 | 25 | 39 | 3,013 |
| 2 | 77 | 102 | 282 | 828 | 4 | 4 | 15 | 42 | 0 | 0 | 4 | 0 | 17 | 17 | 2,047 |
| 3 | 153 | 161 | 323 | 562 | 4 | 3 | 6 | 14 | 2 | 97 | 0 | 0 | 35 | 35 | 1,727 |
| 4 | 206 | 193 | 170 | 41 | 44 | 41 | 35 | 8 | 2 | 0 | 123 | 0 | 68 | 68 | 835 |
| 5 | 76 | 108 | 178 | 304 | 4 | 5 | 13 | 23 | 0 | 0 | 0 | 0 | 104 | 104 | 1,663 |
| 6 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 7 | 9 | 4 | 19 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 344 |
| 8 | 13 | 23 | 36 | 62 | 1 | 1 | 2 | 3 | 0 | 5 | 0 | 0 | 55 | 55 | 1,466 |
| 9 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 25 | 521 |
| 10 | 15 | 14 | 21 | 30 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 54 | 56 | 1,758 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 23 | 23 | 315 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 80 | 91 | 784 |
| 13 | 26 | 15 | 11 | 65 | 2 | 1 | 1 | 4 | 3 | 0 | 0 | 0 | 201 | 221 | 1,656 |
| 14 | 8 | 5 | 1 | 4 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 71 | 75 | 433 |
| TOTALS | **809** | **1,023** | **1,772** | **2,496** | **71** | **81** | **124** | **130** | **24** | **102** | **127** | **0** | **774** | **825** | **16,673** |

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

[2] Mobile homes can be seasonal housing units and vice versa.

# DELMARVA HURRICANE EVACUATION STUDY
## STORM SURGE MAP/EVACUATION ZONE MAP - CATEGORY 3
### QUEEN ANNES 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

**POTENTIAL FRESHWATER FLOODING FEMA FLOOD INSURANCE RATAE 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.

**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.

N

1 0 1 Miles

Millington, Kingstown, Dudley Corners, Barclay, Church Hill, Quaker Neck Landing, Rock Hall, Love Point, Overton, Centreville, Carville, Roe, Ruthsburg, Henderson, Goldsboro, Bridgetown, Greensboro, Boonsboro, Denton, Hillsboro, Queen Anne, Cordova, Wye Mills, Cheston on the Wye, Bennetts Point, Bryantown, Grasonville, Queenstown, Prospect Bay, Dominion, Chester, Stevensville, Matapeake, Normans, Mattapex, Romancoke, Kent Point

Zones: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

Roads: US-50, US-301, MD-18, MD-213, MD-291, MD-544, MD-300, MD-302, MD-19, MD-289, MD-288, MD-20, MD-445, MD-684, MD-662, MD-309, MD-404, MD-304, MD-313, MD-405, MD-328, MD-16, LANDS END RD, MURPHY RD, TILGHMANS NECK RD, DERRYS CORNER RD, WYE LANDING LN, WYE ISLAND RD, BRUFEES ISLAND RD, RIGHT NECK RD, KENT POINT RD

GROUND ELEVATIONS NORTH OF THIS LINE ARE BASED ON USGS 10 METER DEM'S
LIMITS OF LIDAR BASED GROUND ELEVATION DATA

This hurricane storm surge and vulnerability map was produced by the Army Corps of Engineers, Philadelphia District. It is made available for review by Marylandstate and local government emergency management and other interested agencies.
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## QUEEN ANNES COUNTY VULNERABLE HOUSING UNIT DATA

| ZONE | PERMANENTLY OCCUPIED HOUSING UNITS[1] CAT 1 | CAT 2 | CAT 3 | CAT 4 | SEASONALLY OCCUPIED HOUSING UNITS[1] CAT 1 | CAT 2 | CAT 3 | CAT 4 | HOTEL/MOTEL UNITS[1] CAT 1 | CAT 2 | CAT 3 | CAT 4 | MOBILE HOMES[2] OCCUPIED | TOTAL | TOTAL HSG UNITS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 226 | 398 | 730 | 577 | 11 | 26 | 52 | 35 | 13 | 0 | 0 | 0 | 25 | 39 | 3,013 |
| 2 | 77 | 102 | 282 | 828 | 4 | 4 | 15 | 42 | 0 | 0 | 4 | 0 | 17 | 17 | 2,047 |
| 3 | 153 | 161 | 323 | 562 | 4 | 3 | 6 | 14 | 2 | 97 | 0 | 0 | 35 | 35 | 1,727 |
| 4 | 206 | 193 | 170 | 41 | 44 | 41 | 35 | 8 | 2 | 0 | 123 | 0 | 68 | 68 | 835 |
| 5 | 76 | 108 | 178 | 304 | 4 | 5 | 13 | 23 | 0 | 0 | 0 | 0 | 104 | 104 | 1,663 |
| 6 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 7 | 9 | 4 | 19 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 344 |
| 8 | 13 | 23 | 36 | 62 | 1 | 1 | 2 | 3 | 0 | 5 | 0 | 0 | 55 | 55 | 1,466 |
| 9 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 25 | 521 |
| 10 | 15 | 14 | 21 | 30 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 54 | 56 | 1,758 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 23 | 23 | 315 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 80 | 91 | 784 |
| 13 | 26 | 15 | 11 | 65 | 2 | 1 | 1 | 4 | 3 | 0 | 0 | 0 | 201 | 221 | 1,656 |
| 14 | 8 | 5 | 1 | 4 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 71 | 75 | 433 |
| TOTALS | 809 | 1,023 | 1,772 | 2,496 | 71 | 81 | 124 | 130 | 24 | 102 | 127 | 0 | 774 | 825 | 16,673 |

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

[2] Mobile homes can be seasonal housing units and vice versa.

# DELMARVA HURRICANE EVACUATION STUDY
## STORM SURGE MAP/EVACUATION ZONE MAP - CATEGORY 4
### QUEEN ANNES 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

**POTENTIAL FRESHWATER FLOODING FEMA FLOOD INSURANCE RATAE 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.

**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.

N

1 0 1 Miles

Zones: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

Millington, Kingstown, Dudley Corners, Barclay, Church Hill, Quaker Neck Landing, Rock Hall, Love Point, Overton, Centreville, Carville, Roe, Henderson, Goldsboro, Bridgetown, Ruthsburg, Greensboro, Boonsboro, Queenstown, Stevensville, Chester, Grasonville, Matapeake, Dominion, Normans, Bryantown, Prospect Bay, Cheston on the Wye, Wye Mills, Queen Anne, Hillsboro, Denton, Cordova, Mattapex, Romancoke, Bennetts Point, Kent Point

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Surge values (Cat 1 / Cat 2 / Cat 3 / Cat 4):
- 5.8 / 10 / 12.1 / 16.4
- 5.5 / 9.3 / 11.4 / 16.7
- 4.8 / 7.8 / 11.2 / 15.1
- 4.6 / 7.3 / 10.7 / 14.2
- 4.8 / 7.8 / 11.3 / 15.2
- 4.6 / 7.4 / 10.8 / 14
- 4.6 / 7.2 / 10.5 / 14.1
- 4.6 / 7.2 / 10.5 / 14
- 5.3 / 7.7 / 10.3 / 13.6
- 4.9 / 7.6 / 10.4 / 13.5
- 4.7 / 7.4 / 10.8 / 13.9
- 5.2 / 7.9 / 10.5 / 13.8
- 4.9 / 7.9 / 10.8 / 13.9
- 4.7 / 7.4 / 10.1 / 14.1
- 4.7 / 7.6 / 10.7 / 13.8
- 4.7 / 7.4 / 10 / 13.4

GROUND ELEVATIONS NORTH OF THIS LINE ARE BASED ON USGS 10 METER DEMS
LIMITS OF LIDAR BASED GROUND ELEVATION DATA

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## QUEEN ANNES COUNTY VULNERABLE HOUSING UNIT DATA

| ZONE | PERMANENTLY OCCUPIED HOUSING UNITS[1] CAT 1 | CAT 2 | CAT 3 | CAT 4 | SEASONALLY OCCUPIED HOUSING UNITS[1] CAT 1 | CAT 2 | CAT 3 | CAT 4 | HOTEL/MOTEL UNITS[1] CAT 1 | CAT 2 | CAT 3 | CAT 4 | MOBILE HOMES[2] OCCUPIED | TOTAL | TOTAL HSG UNITS |
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| 4 | 206 | 193 | 170 | 41 | 44 | 41 | 35 | 8 | 2 | 0 | 123 | 0 | 68 | 68 | 835 |
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| 7 | 9 | 4 | 19 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 344 |
| 8 | 13 | 23 | 36 | 62 | 1 | 1 | 2 | 3 | 0 | 5 | 0 | 0 | 55 | 55 | 1,466 |
| 9 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 25 | 521 |
| 10 | 15 | 14 | 21 | 30 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 54 | 56 | 1,758 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 23 | 23 | 315 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 80 | 91 | 784 |
| 13 | 26 | 15 | 11 | 65 | 2 | 1 | 1 | 4 | 3 | 0 | 0 | 0 | 201 | 221 | 1,656 |
| 14 | 8 | 5 | 1 | 4 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 71 | 75 | 433 |
| TOTALS | **809** | **1,023** | **1,772** | **2,496** | **71** | **81** | **124** | **130** | **24** | **102** | **127** | **0** | **774** | **825** | **16,673** |

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

[2] Mobile homes can be seasonal housing units and vice versa.

# DELMARVA HURRICANE EVACUATION STUDY
## STORM SURGE MAP/EVACUATION ZONE MAP - ALL CATEGORIES
### QUEEN ANNES 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
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- 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.

**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.

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1 0 1 Miles

This hurricane storm surge and vulnerability map was produced by the Army Corps of Engineers, Philadelphia District. It is made available for review by Marylandstate 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.**