



LEGEND

INUNDATION MATRIX

| HURRICANE FORWARD SPEED (MPH) | | | |
|-------------------------------|------|-----------|-----------------|
| | 0-20 | 21-40 | 41+ |
| HURRICANE CATEGORY | 3 | Dark Blue | Medium Blue |
| | 4 | Dark Blue | Light Blue/Cyan |

| HURRICANE INUNDATION AREAS | |
|----------------------------|-------------------|
| Dark Blue | Inundation Area A |
| Medium Blue | Inundation Area B |
| Light Blue/Cyan | Inundation Area C |

- NOTES:
- Inundation areas were derived from the National Hurricane Center's application of the SLOSH (Sea, Lake and Overland Surges from Hurricanes) model. Inundation areas reflect "WORST CASE" combination of hurricane direction, forward speed, landfall point, and high astronomical tide.
 - Hurricane categories 1 through 4 refer to the Saffir-Simpson scale of hurricane intensity.
 - Shaded land area represent areas with coastal flooding potential from hurricanes of the category and forward speed referenced by the inundation matrix above. Inland areas that may only be subjected to freshwater flooding are not identified.
 - "WORST CASE" hurricane surge elevations identified for each inundation area are given in the surge tide profiles provided within.

COMMONWEALTH OF MASSACHUSETTS
HURRICANE EVACUATION STUDY
INUNDATION MAP

TOWN OF **CHILMARK**
COUNTY OF **DUKES**

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