

Preliminary Floodplain Maps

Public Meeting:

- *Flood Maps: Know Your Risk and Take Action*
- **Learn about the New Preliminary FEMA Flood Hazard Area Maps and potential impacts on Rye parcels.**

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Flood Zones in Rye

| | |
|------|------------------------------------|
| VE | Velocity Zone |
| AO | Sheet drainage and shallow ponding |
| AE | Area of still water flooding |
| LIMA | Area of limited wave action |



VE – Zone

- Area of high velocity wave action with wave height greater than 3 feet
- The height of wave crest is shown on FIRMs as VE- #_____
- Wave action will cause structural damage
- Wave action will cause erosion
- *All building must be elevated on piles to elevation shown on FIRMs*



**This is what a VE Zone looks like
during a 1% Event**

AO - Zone

- All AO zones in Rye are shown as AO-3 on the FIRMS
- Sheet flow 3 feet deep
- Ponding 3 feet deep
- Will cause erosion and damage to structure
- All building in this zone must be elevated to 3' above the highest adjunct grade.
- *FEMA recommends elevation on piles*

**This is what an AO Zone may look
like in a 1% Event**



AE - Zone

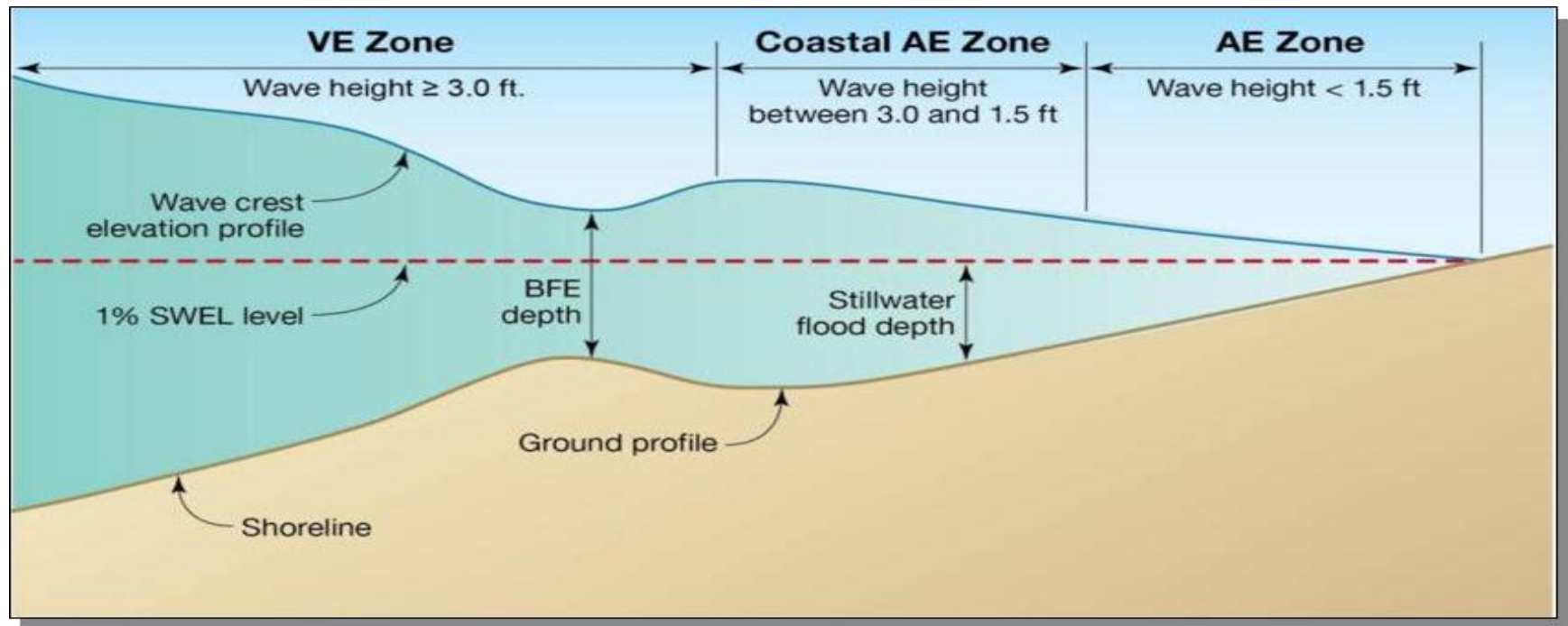
- Area of still water flooding
- Depth is shown on the FIRMs as AE- # _____
- Water will cause damage to foundations and materials below the flood depth.
- *All building must be elevated to above elevation shown on FIRMs*

This is an AE Zone in a 1% Event



Limit of Moderate Wave Action (LiMWA)

- Area of limited wave action **1.5' to 3'** in height
- Area is shown on map as a heavy red and black line
- *FEMA recommends elevation on piles*



PRELIMINARY FIRMS Flood Insurance Rate Map



Building Codes

- International Building Code

For buildings other than 1 & 2 Family

- International Residential Code

For 1 & 2 family buildings

- Rye Floodplain Development and Building Code.

For all Structures within the High Hazard Flood Area

Floodplain Development and Building Code

- Required by FEMA if the Town wants to be in the Flood Insurance Program
- This is enforced by the Town and sets the construction standards for flood mitigation within the Town of Rye.
- Code does not allowed any enclosed space below the Base Flood Elevation(BFE)

We are trying to get all building to be elevated on slabs, piles or stem walls.

MITIGATION

In September 2008 they became known as the owners of [the "last house"](#) the only structure on Gilchrist's Gulf Coast side to have survived Hurricane Ike's massive sea surge, thanks to the stilt-like columns that lift the home 22 feet above normal sea level.



Lets make all homes in the High Hazard Flood Zones flood ready



Required Mitigation

- Ordinances and Codes require that you mitigate the flood hazard in two instances
- I. “Substantial Damage” Whenever the structure sustains damage, of any type, that requires repairs that exceed 50% of the value of the home.
- II. “Substantial Improvement” Whenever there are repairs or improvements that combined equal 50% of the value of the home.





Thank you for coming!

