



Maryland
Department of
the Environment

Maryland CS-CRAB Climate Ready Action Boundary (100 year + 3 feet)

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Maryland Department of the Environment**

Quick 10 minute view of CRAB

- **CRAB - What, Why, and Where**
- **Slide or DEMO of CRAB site for State Projects (time permitting)**
- **Questions and Answers after All Presentations**



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CS-CRAB

100 year + 3 feet - What is It ?

Tied to Coastal 100 year + 3 feet

- Defines Higher Risk Vertically and Extends Horizontal Proximity in Tidal Floodplains
- Screen State Projects and State Funding for Impacts when Inside 100-year +3 Limit



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Who Needs to Use the CRAB ?

- **State Agencies for Projects in Coastal Areas that Cost More than \$ 500,000**
- **Projects that receive State Funding if 50 % or more of the Costs- If State Funding Exceeds \$ 500,000**
- **Note / Roads and Bridges Are Currently Exempt, but likely to be discussed this year**



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Brief History of Coast Smart Council

- [Maryland HB 615: Coast Smart Council Law | Adaptation ...](#)
- **May 05, 2014** - The Coast Smart Council law ensures Maryland follows standards to make safe and fiscally-wise investments when building or updating State agency structures located in vulnerable coastal areas. The law does not affect schools, roads or local government projects, only structures built by State agencies



Profile View of FEMA Floodplain at Coastal Shoreline

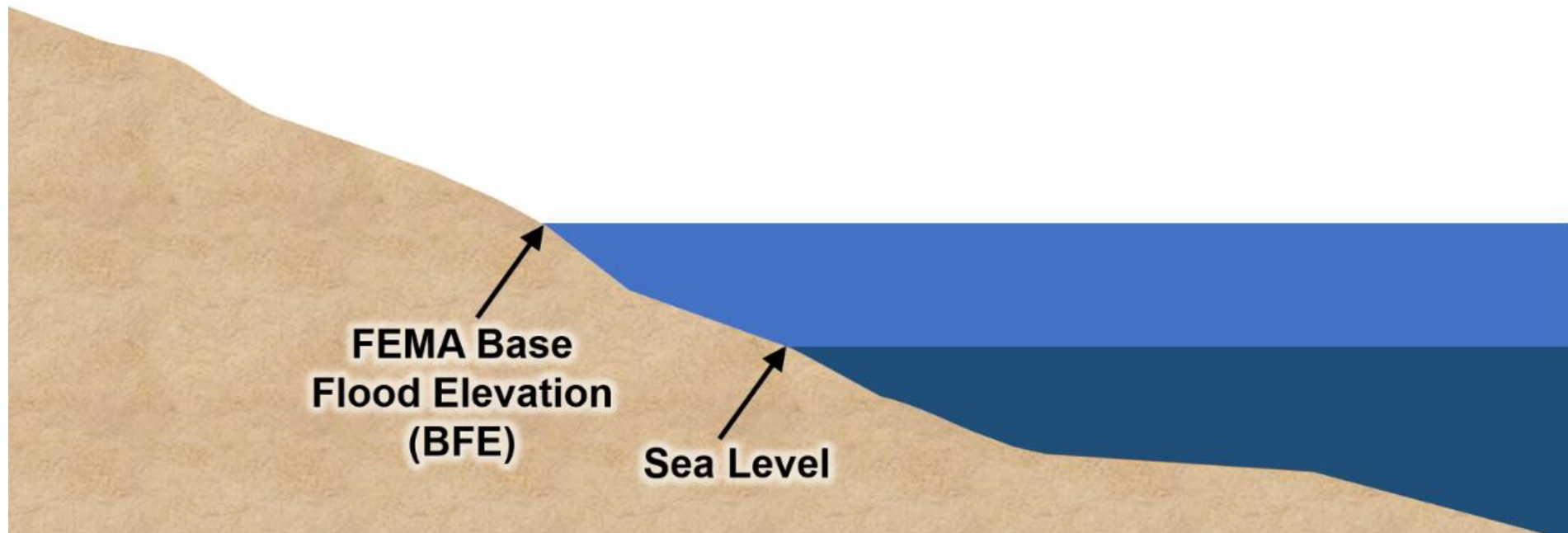
Coast Smart

Existing Conditions

- Land
- Sea Level
- FEMA 100 year Floodplain

FEMA Base
Flood Elevation
(BFE)

Sea Level



Profile View of FEMA Floodplain and Coastal Shorelines

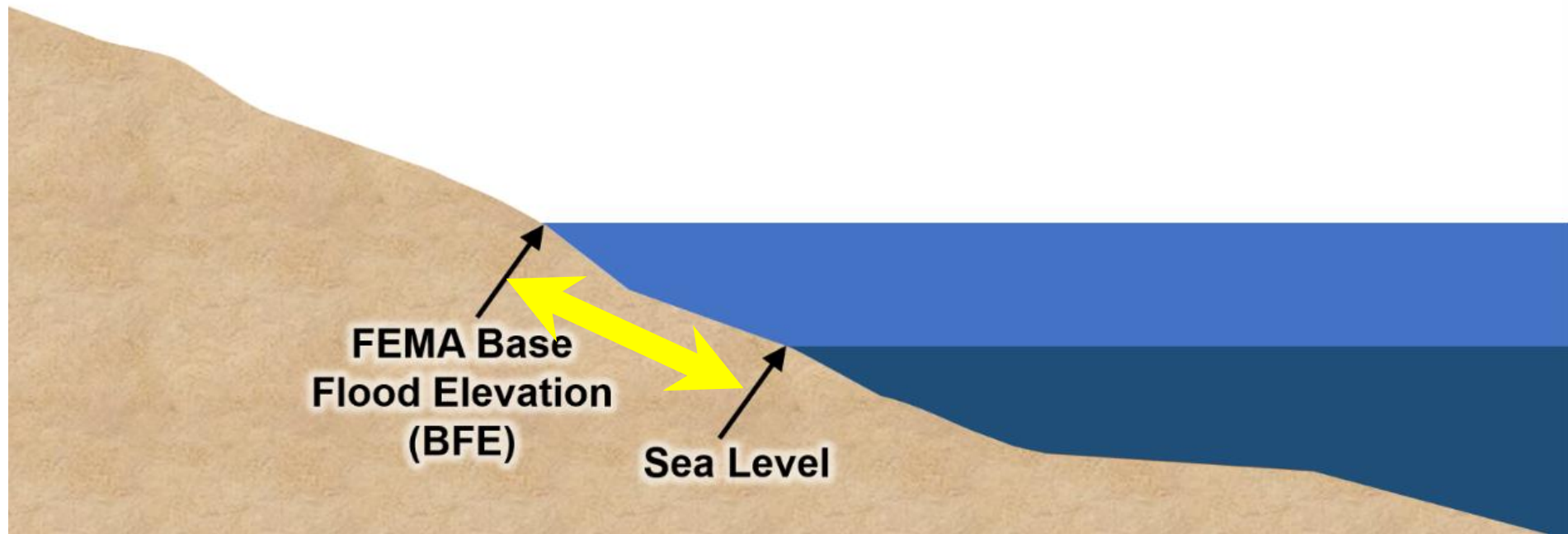
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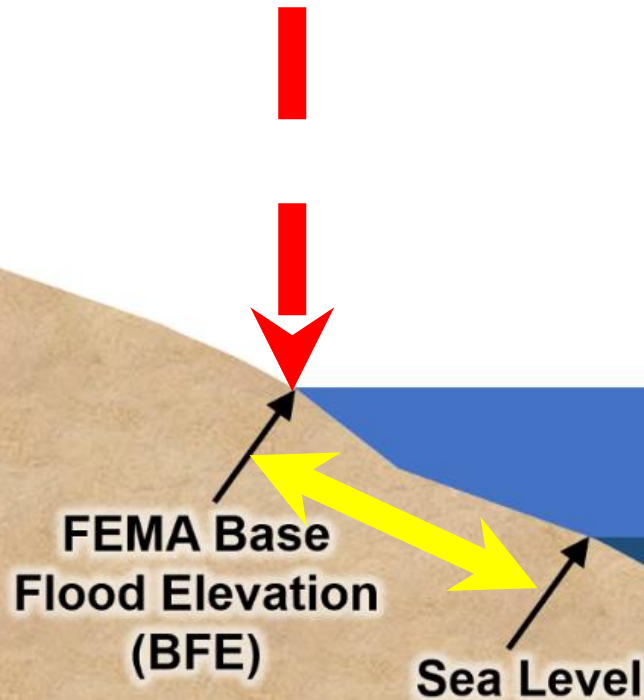


Profile View of FEMA Floodplain and Coastal Shorelines

**Current Limit
of Floodplain
Regulations**

**Coast Smart
Existing Conditions**

- Land
- Sea Level
- FEMA 100 year Floodplain

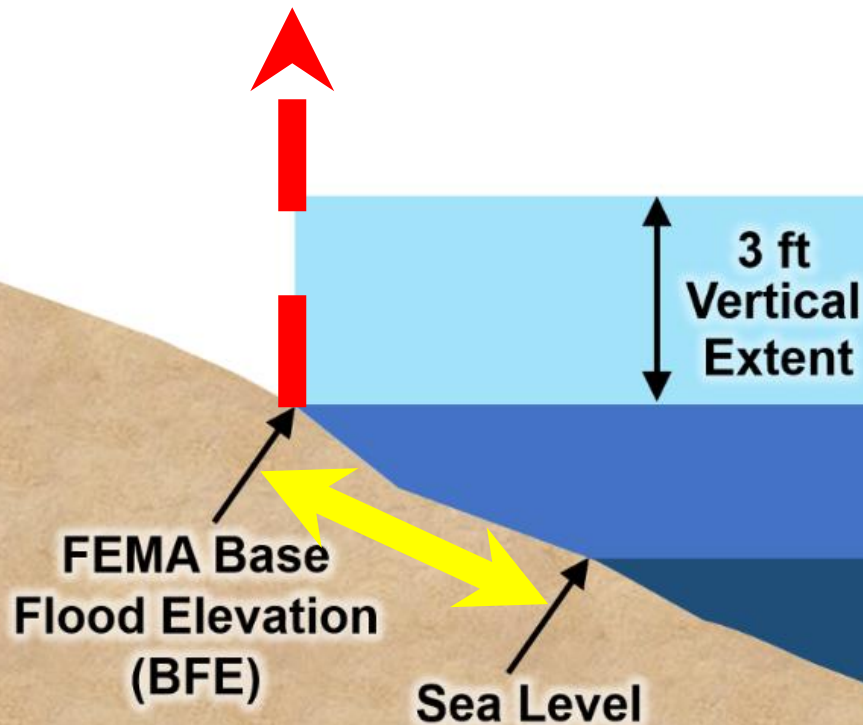


State (via CRAB) & Many Communities Apply a Freeboard of (1, 2, or 3 feet)

**Freeboard Usually Applies
to Current Limit of
Floodplain Regulations**

**Coast Smart
Vertical Increase**

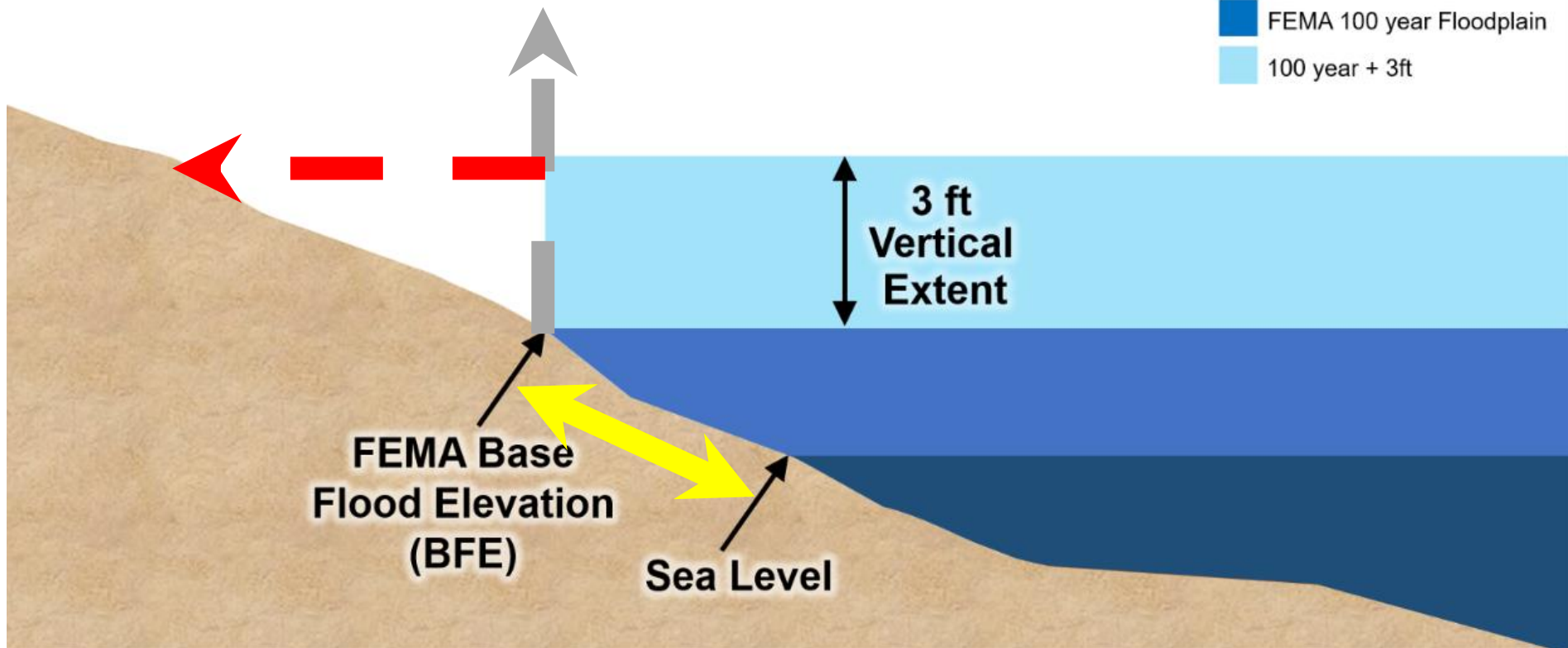
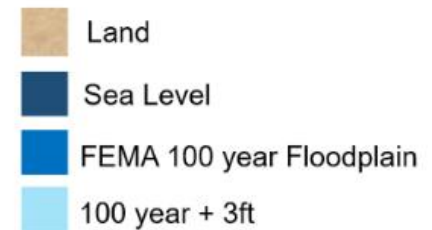
- Land
- Sea Level
- FEMA 100 year Floodplain
- 100 year + 3ft



But, that Vertical Wall of Water doesn't Stop at the mapped FEMA Limits ...

Current Limit of Floodplain Regulations


Coast Smart Vertical Increase

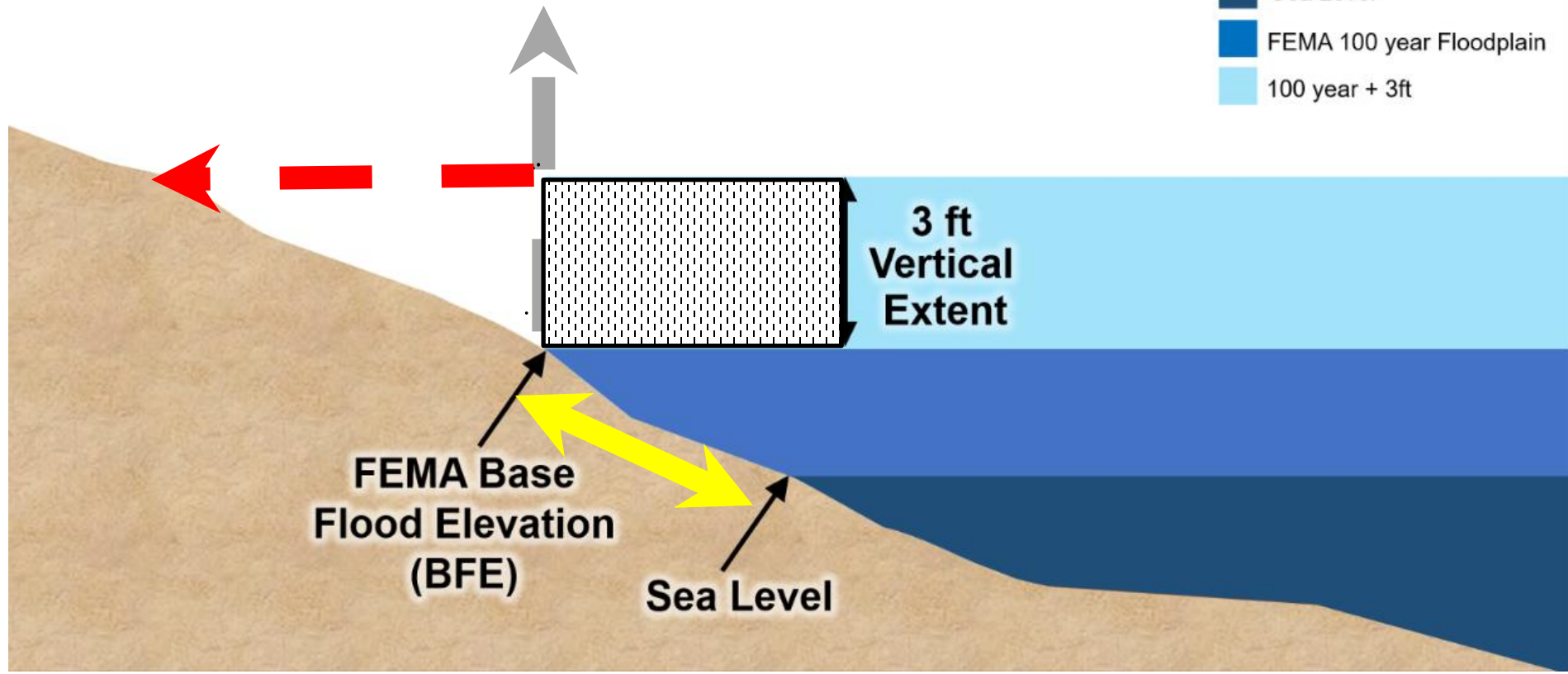


Coast Smart Criteria Also Notes An Increase Is Likely Within the Current limits of the 100-year Floodplain -)

Current Limit of Floodplain Regulations

Coast Smart Vertical Increase



-  Land
-  Sea Level
-  FEMA 100 year Floodplain
-  100 year + 3ft

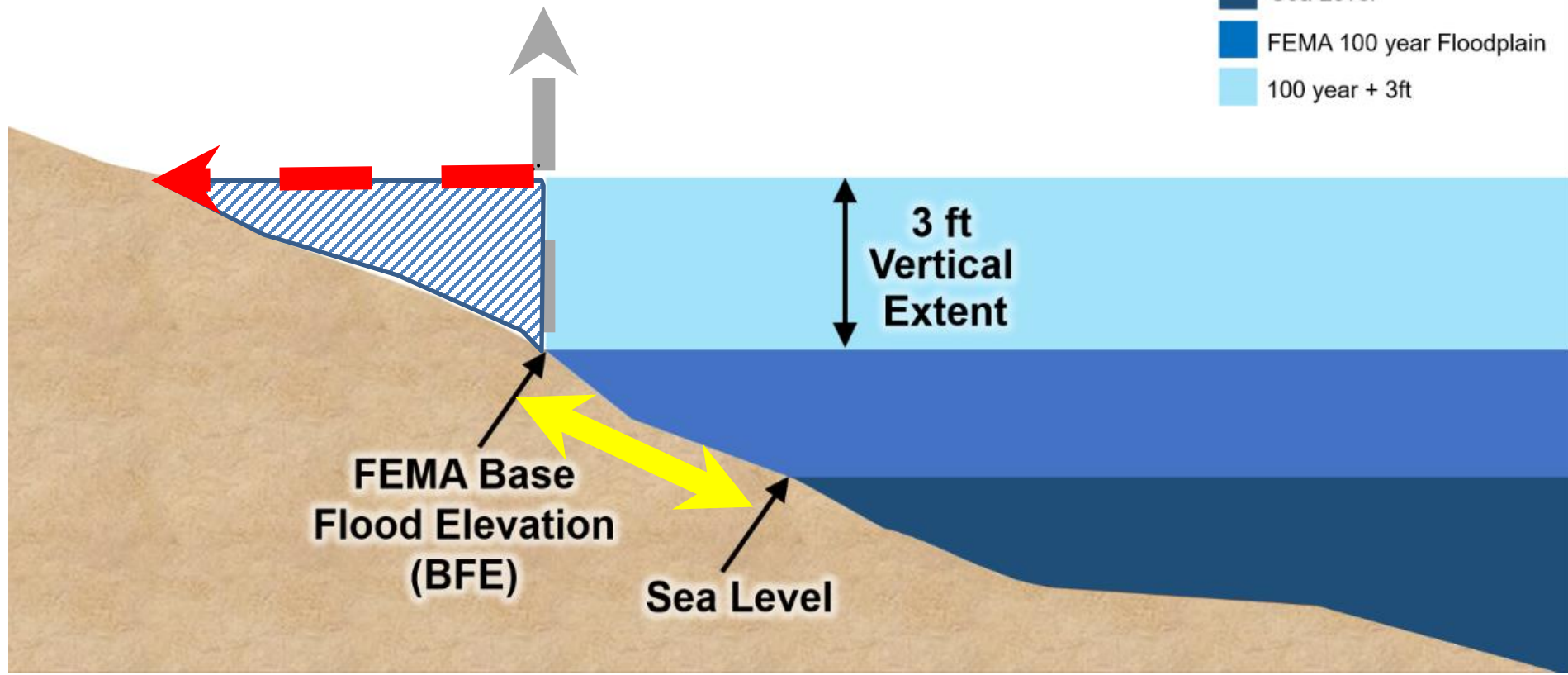


Flooding Can and Will Occur Beyond the FEMA Limits ! (in New Areas -)

Current Limit of Floodplain Regulations

Coast Smart Vertical Increase

-  Land
-  Sea Level
-  FEMA 100 year Floodplain
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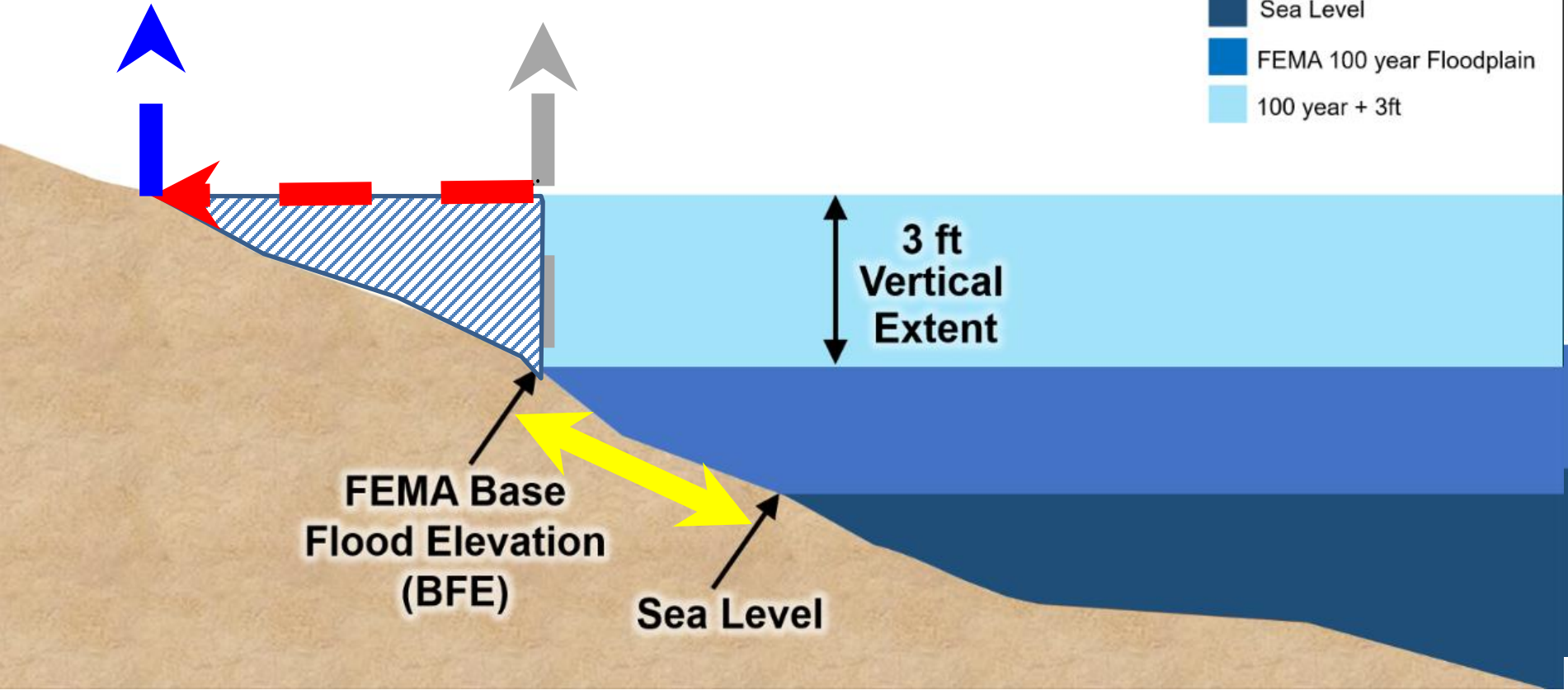


Flooding Can and Will Occur Beyond the FEMA Limits ! (in New Areas -)

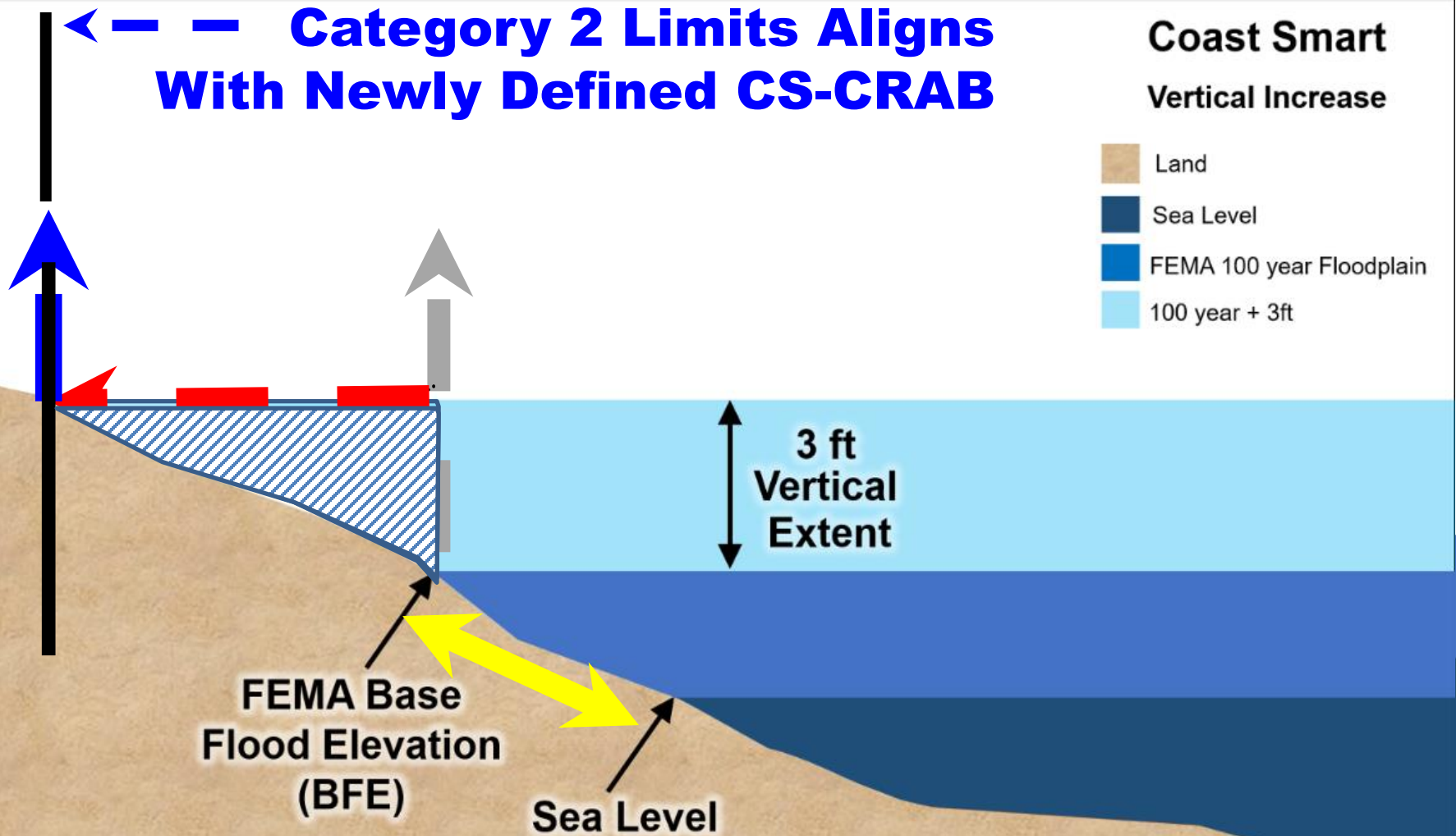
**New
Limit of
Maryland
CS-CRAB**

**Coast Smart
Vertical Increase**

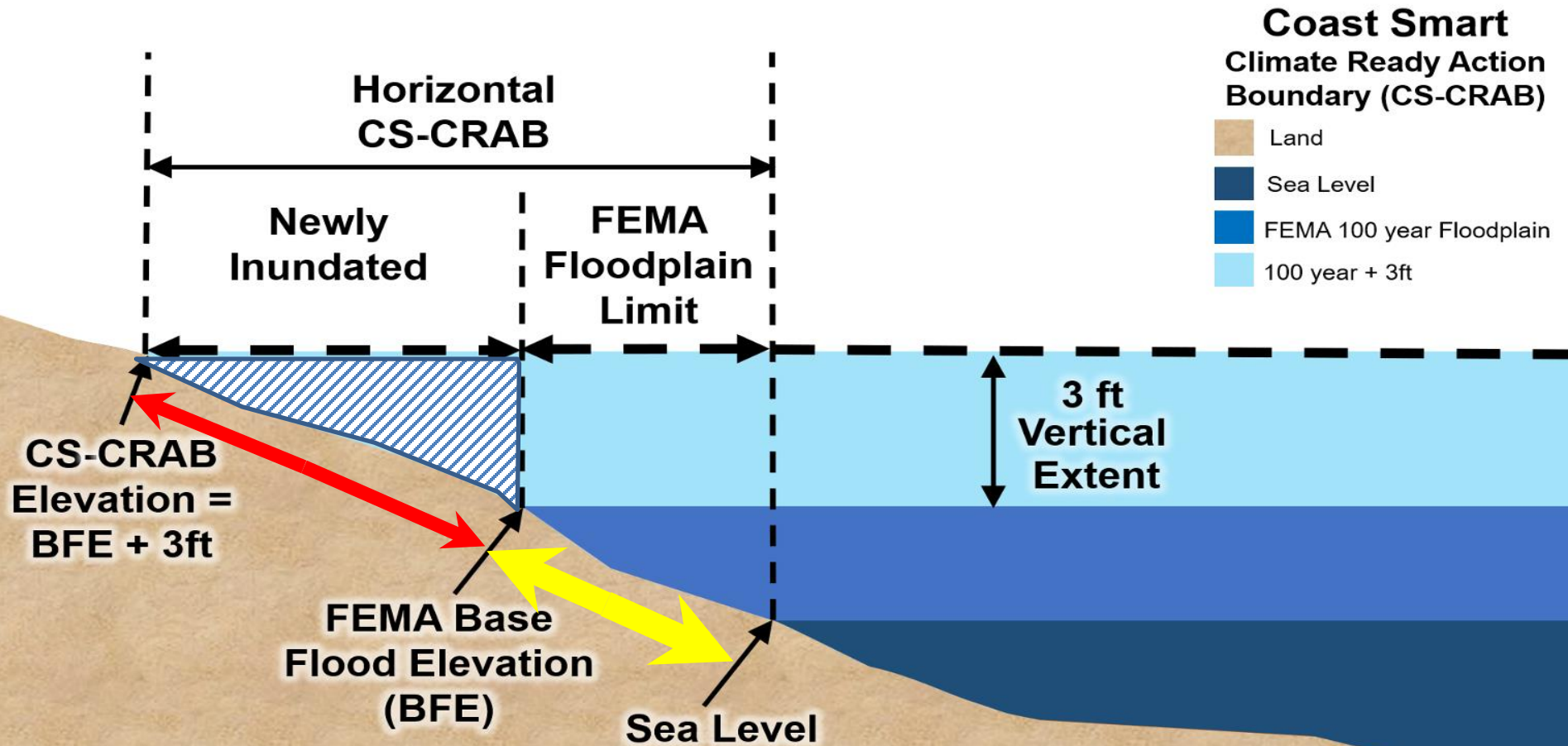
-  Land
-  Sea Level
-  FEMA 100 year Floodplain
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New CRAB Limits Closely Match the Category 2 Limits

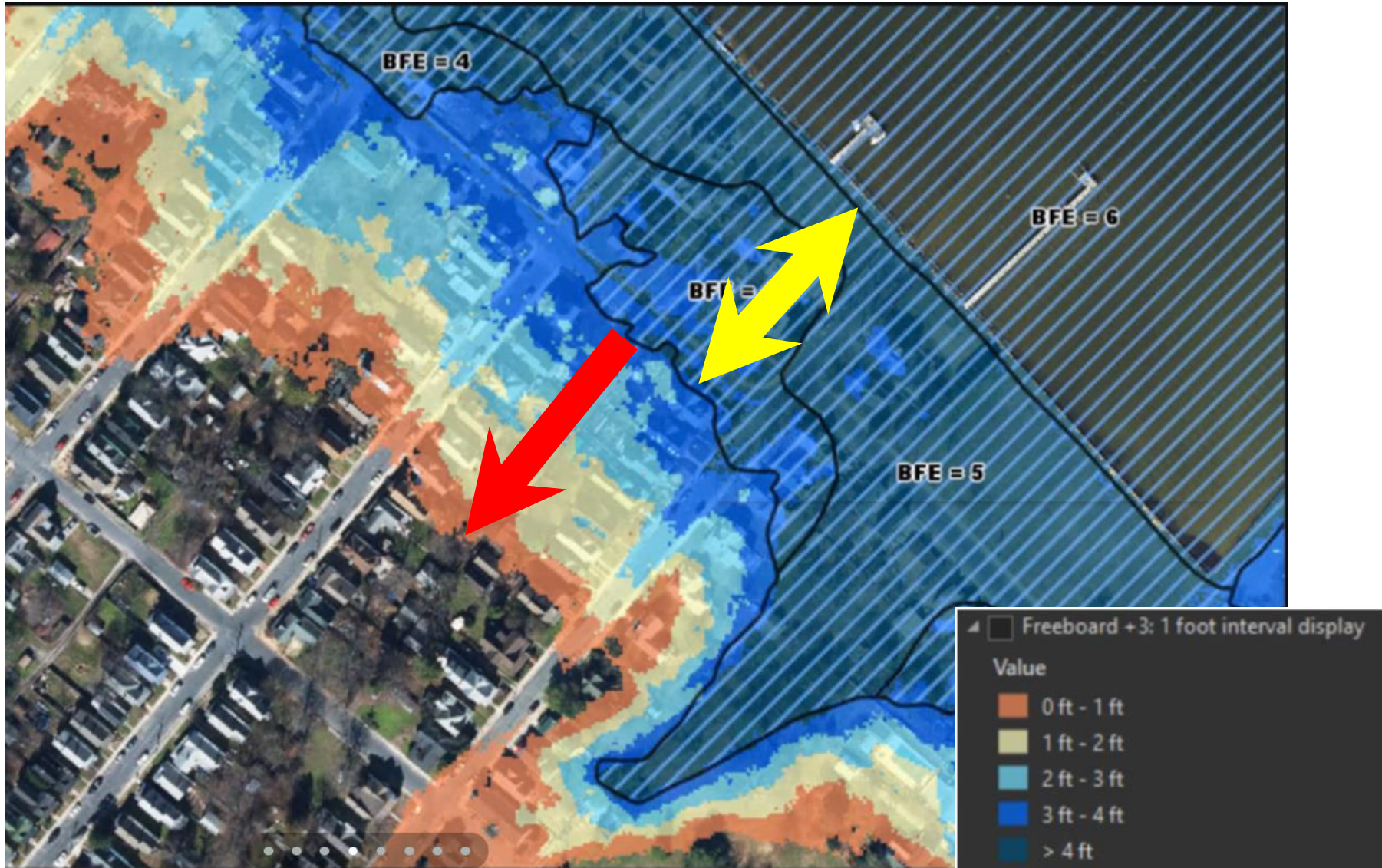


CS - CRAB: **Climate Ready Action Boundary** Establishes A Defined Landward Limit And An Elevation for Resiliency

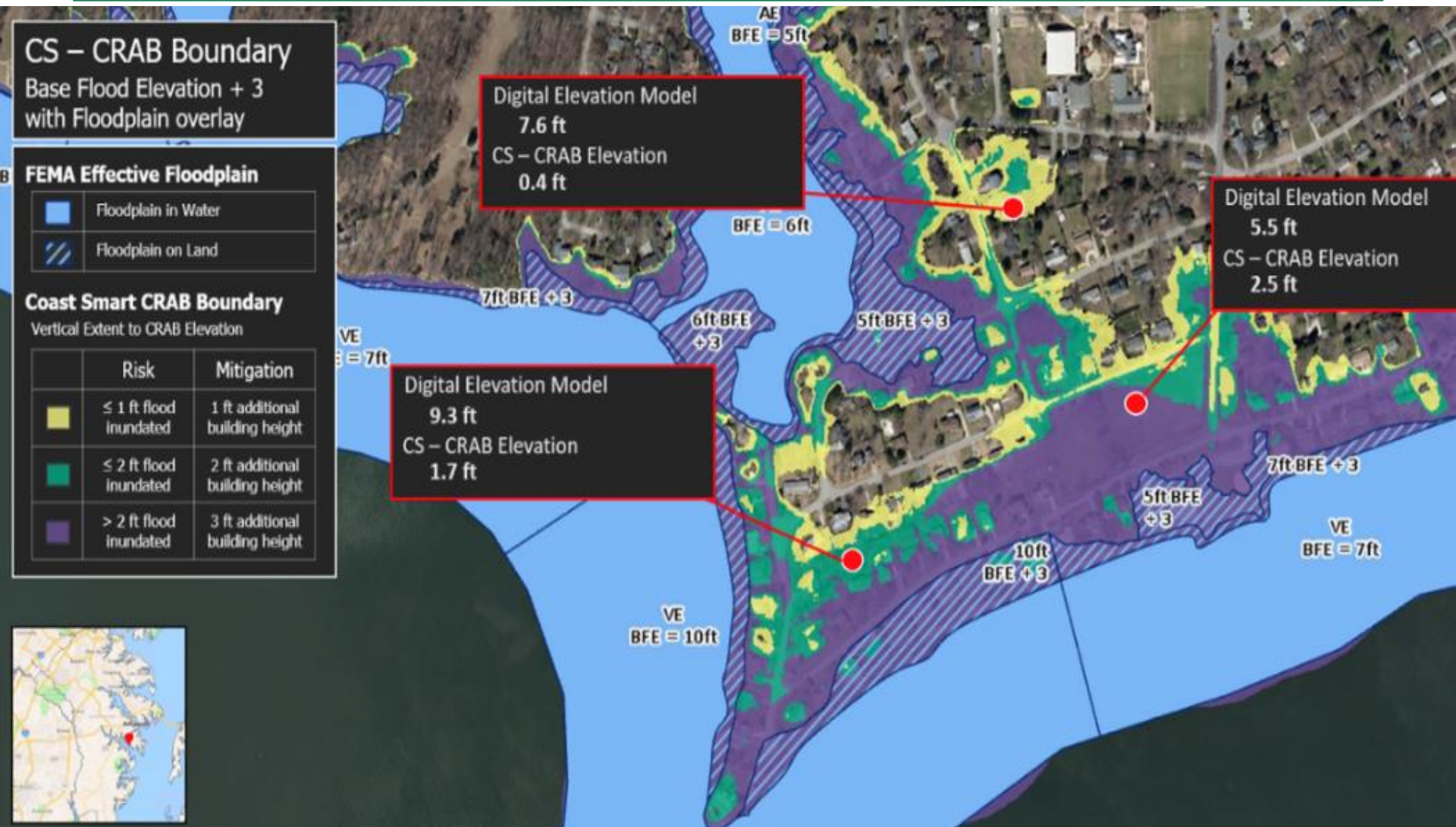


What Does the CRAB Look Like In Plan View on a Map ? ...

(Production View of CRAB)



Story Map View of CRAB



Web Sites ...

CRAB Web Site

<https://mdfloodmaps.net/CRAB/>

CRAB Story Map

<https://storymaps.arcgis.com/stories/bd1ab6827c77457a9c6aec5ca1eb4af2>



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Thank You !

Questions / Comments

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