

LD NOTE 08/31/2023:

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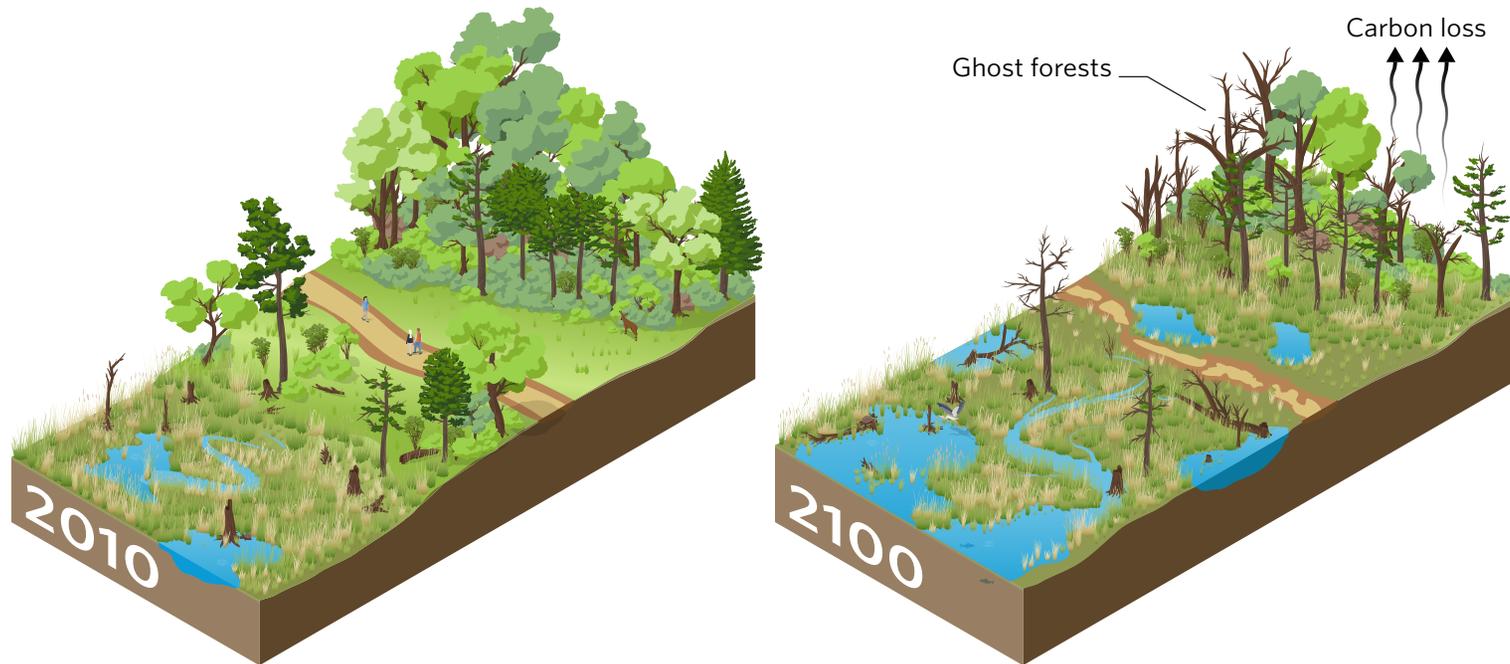
# TNC EESLR Information Graphics

*Graphics Development*

*Information graphics – Final*

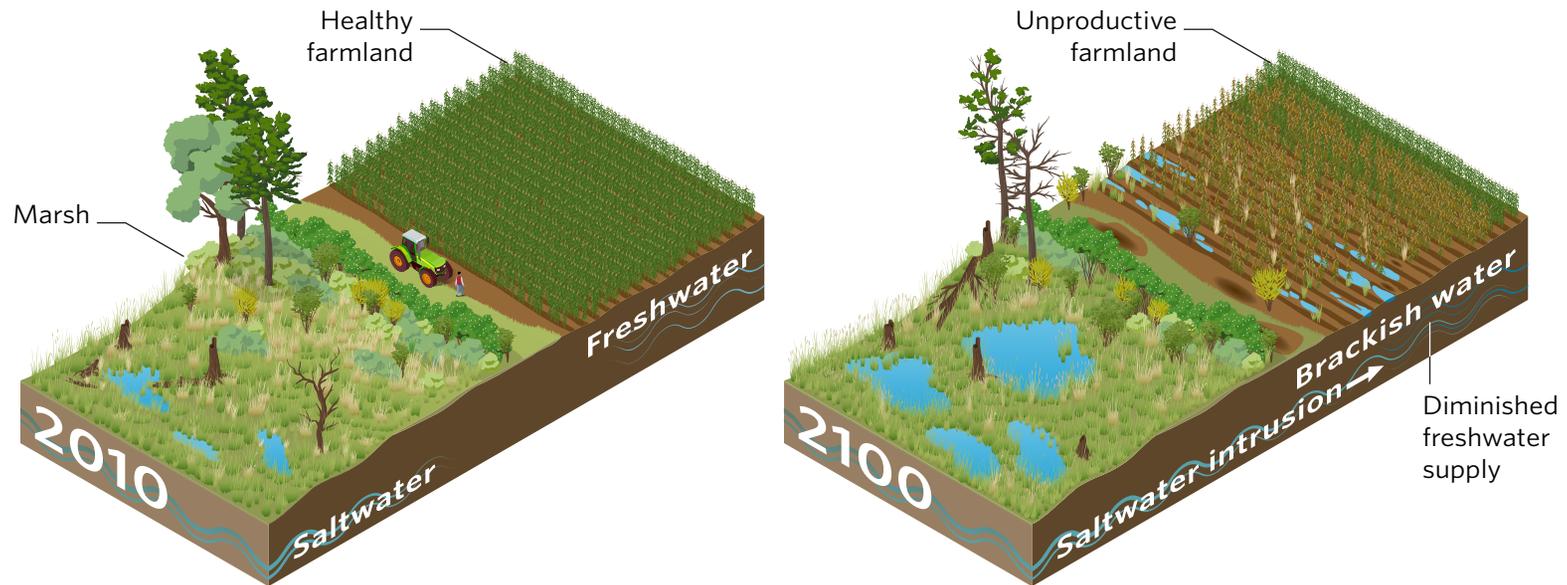
*Submitted 08/31/2023*

With four feet of sea level rise by the year 2100...  
**More than 145,000 acres of Maryland forest lost**  
(Including 86% of all tidal forested wetlands in the state)



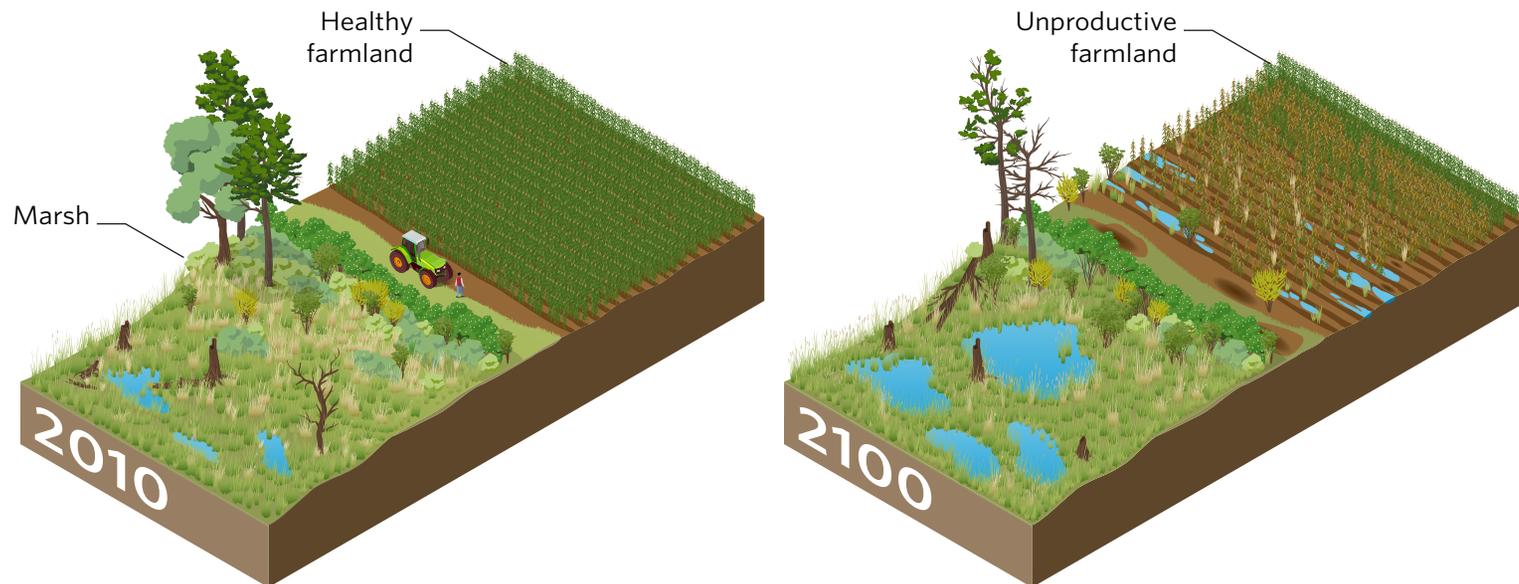
**A1.1 Marsh migration –Forest to marsh**

With four feet of sea level rise by the year 2100...  
**50,000 acres of Maryland agricultural land lost**  
 (Nearly 25% of the agricultural land in Somerset County  
 and nearly 20% in Dorchester County)



**A1.2 Marsh migration –Agricultural field to marsh**

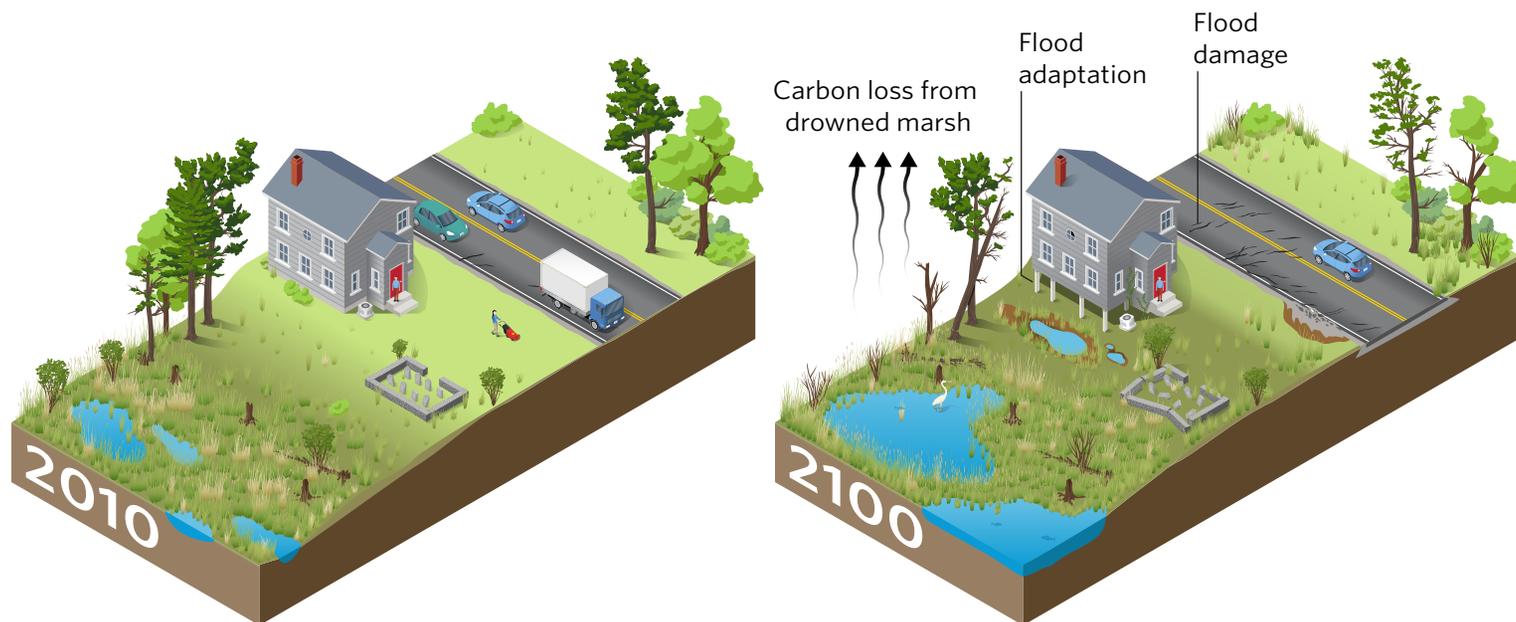
With four feet of sea level rise by the year 2100...  
**50,000 acres of Maryland agricultural land lost**  
(Nearly 25% of the agricultural land in Somerset County  
and nearly 20% in Dorchester County)



**A1.2 Marsh migration –Agricultural field to marsh (NO SIDE TEXT VERSION)**

# With four feet of sea level rise by the year 2100... **More than 14,000 acres of developed land flooded** (Including 25% of developed land on the Lower Eastern Shore\*)

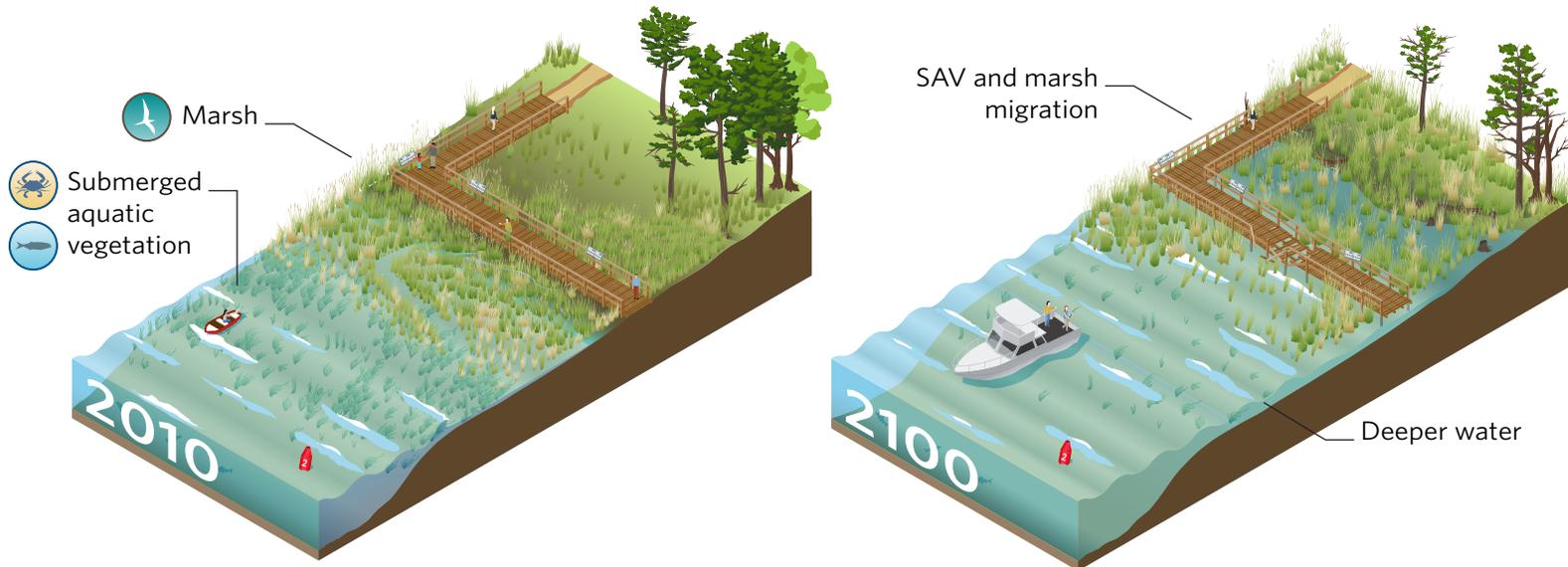
\*Includes Somerset (34%), Dorchester (27%), Worcester (18%) counties



## A1.3 Marsh migration –Development/infrastructure with marsh (blocking)

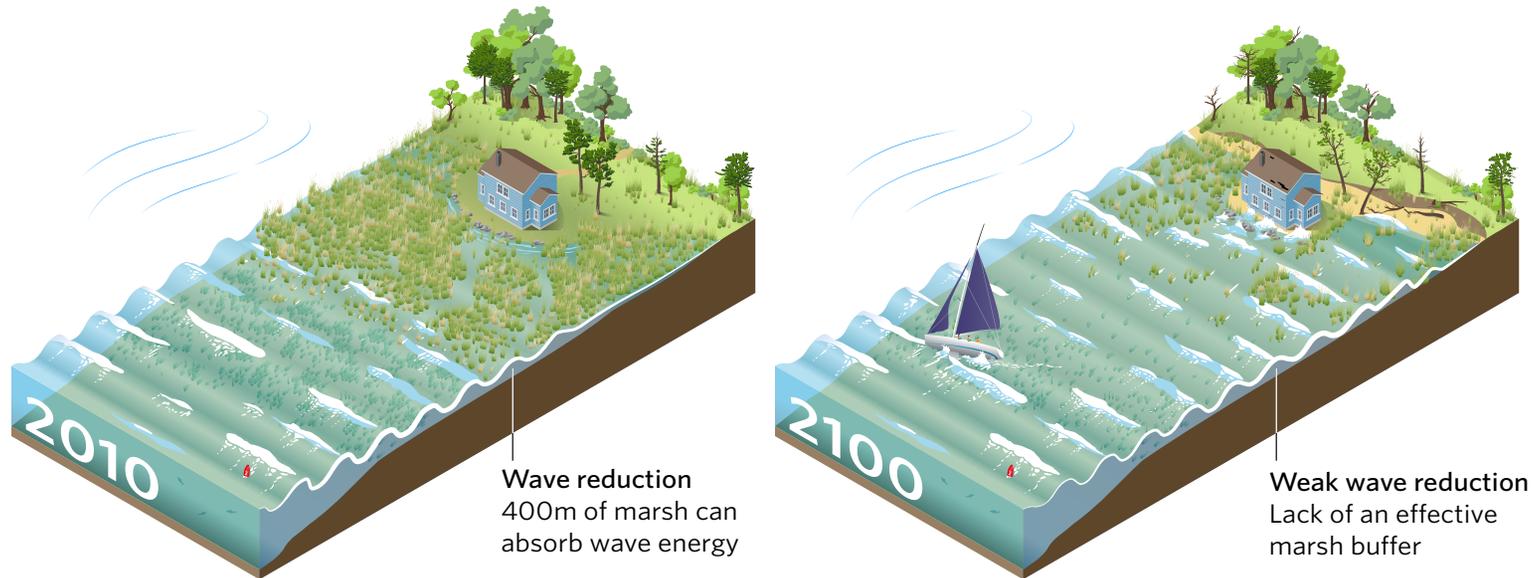
# With four feet of sea level rise by the year 2100... **Loss of marsh (nearly 70,000 acres) and submerged aquatic vegetation.**

(Habitat important for birds and aquatic species)



## A1.4 Marsh migration -Tidal marsh to new coastline

With four feet of sea level rise by the year 2100...  
**Less marsh means less wave energy reduction**  
(especially during storm conditions)



**A2.2**

**Loss of ecosystem and protective services –Wave energy reduction magnitude**