

LD NOTE 08/31/2023:

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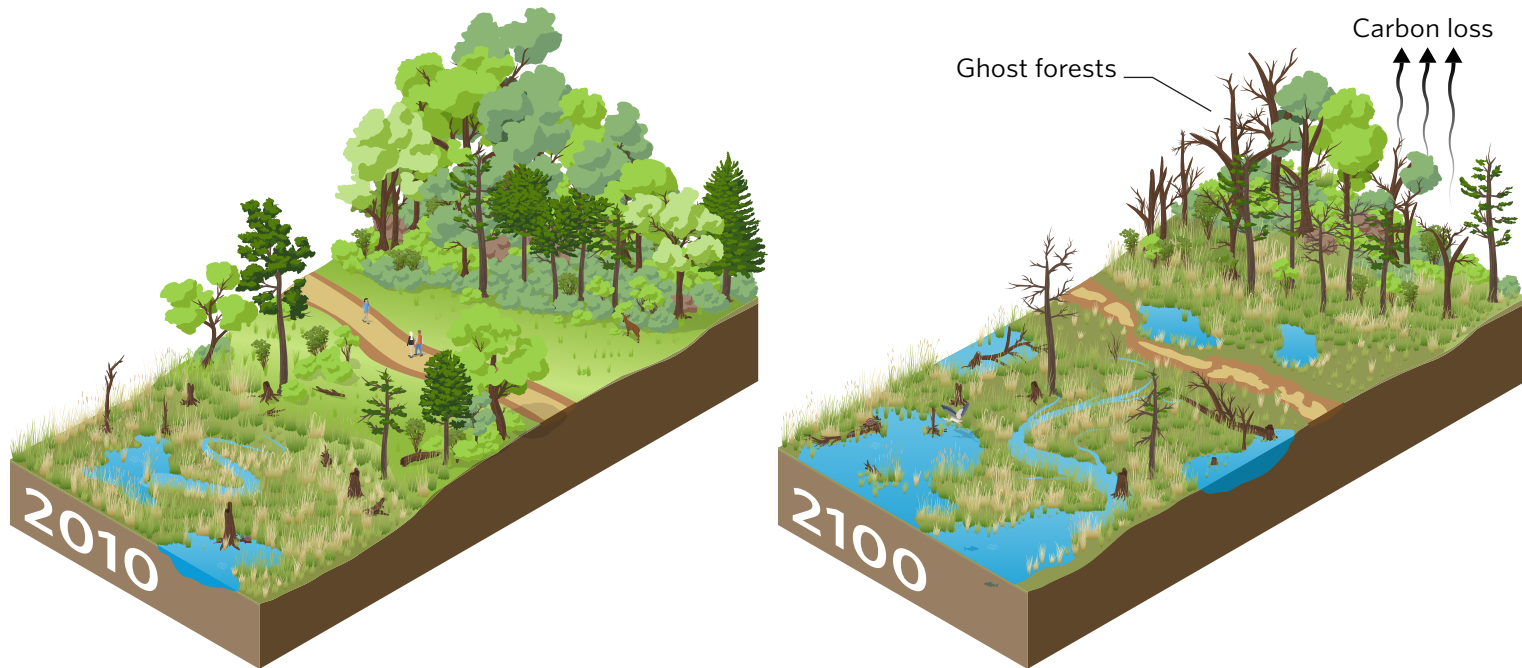
TNC EESLR Information Graphics

Graphics Development

Information graphics – Final

Submitted 08/31/2023

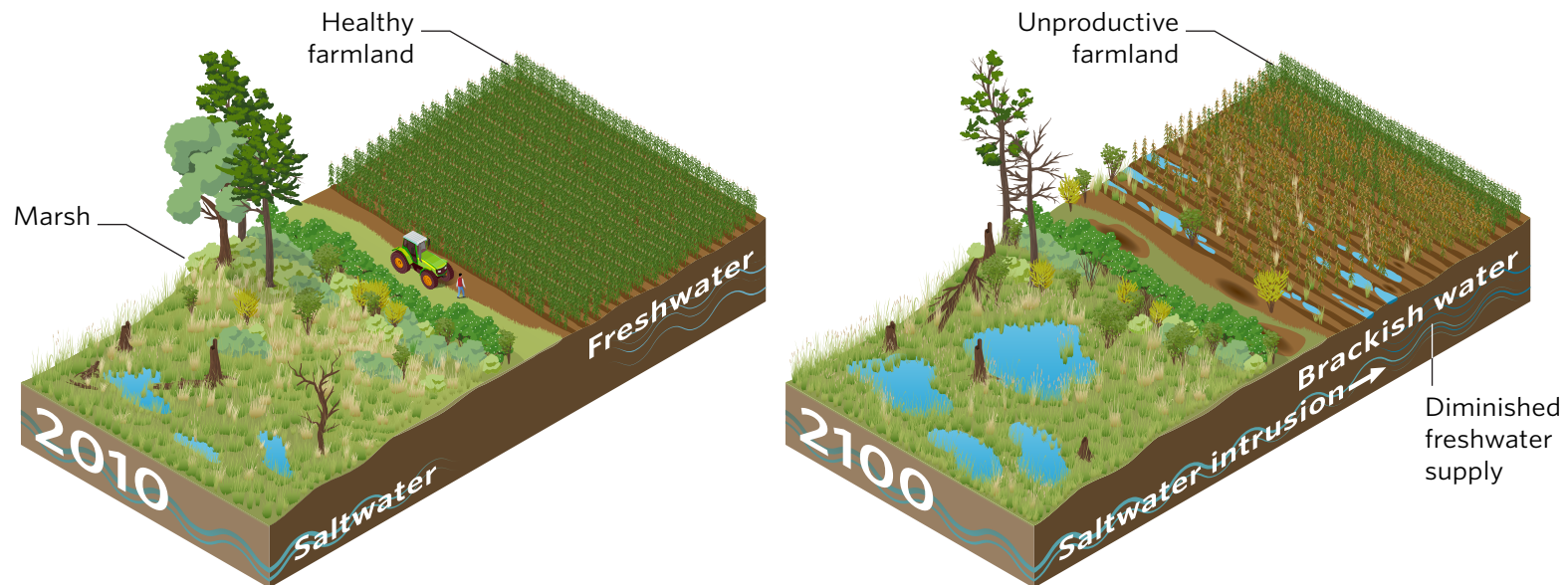
With four feet of sea level rise by the year 2100...
More than 145,000 acres of Maryland forest lost
(Including 86% of all tidal forested wetlands in the state)



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**

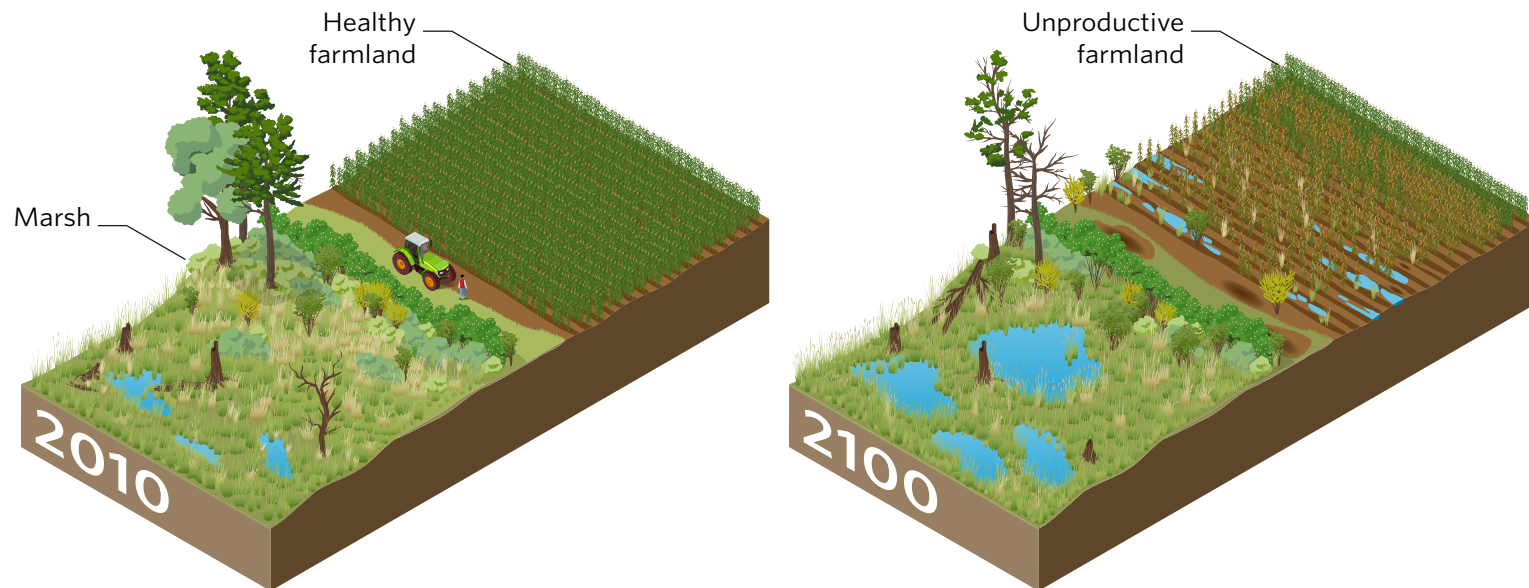
(Nearly 25% of the agricultural land in Somerset County
and nearly 20% in Dorchester County)



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**

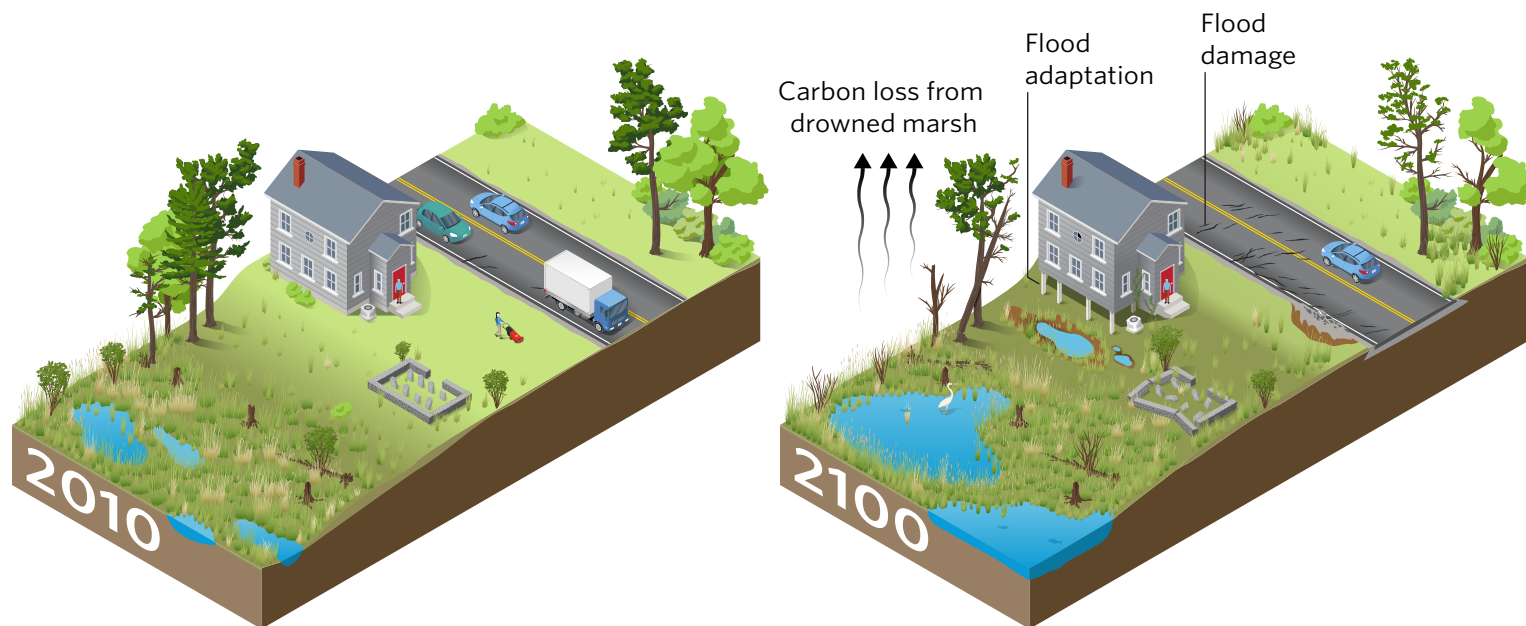
(Nearly 25% of the agricultural land in Somerset County
and nearly 20% in Dorchester County)



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*)

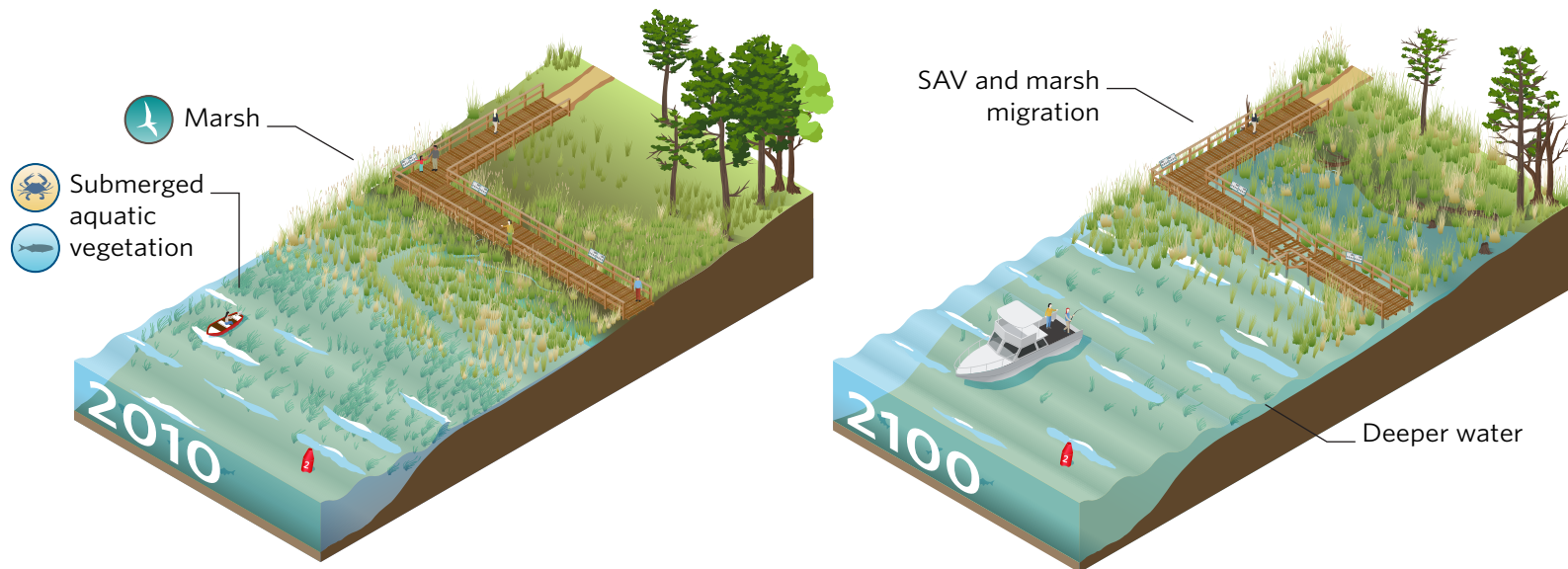
*Includes Somerset (34%), Dorchester (27%), Worcester (18%) counties



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

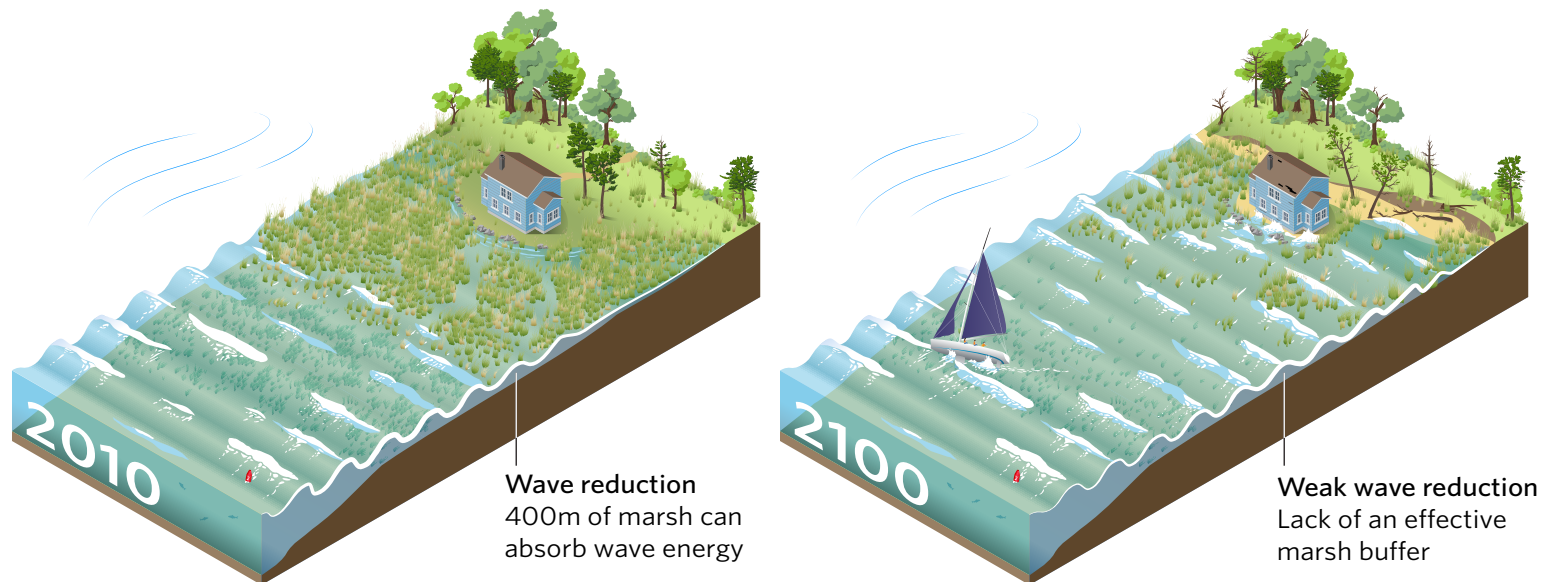
With four feet of sea level rise by the year 2100... **Loss of marsh (nearly 70,000 acres) and submerged aquatic vegetation.**

(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