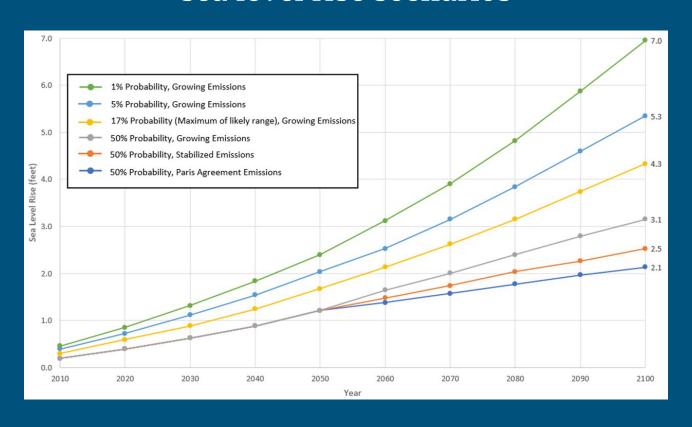
Wetland Adaptation Area Update

May 11, 2023

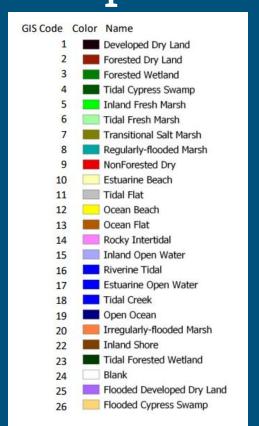
Incentive for updating Wetland Adaptation Areas

- New SLAMM data
 - higher resolution for land-use and elevation, results at 10 year time steps yields better predictions of future wetlands at more frequent intervals
- Programmatic need to distinguish between uplands that convert to wetlands and wetlands that remain wetlands
- Multiple timesteps means we can display the "corridor" for wetland migration

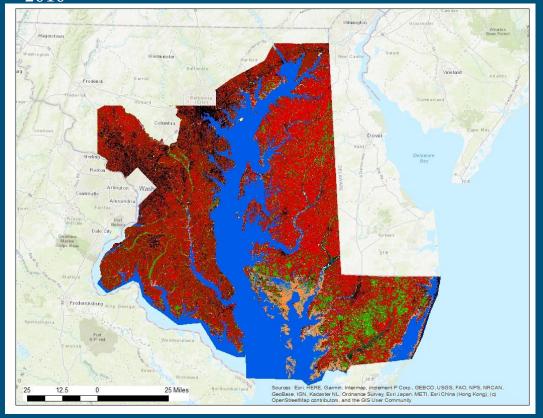
Sea Level Affecting Marshes Model rerun using 6 sea level rise scenarios



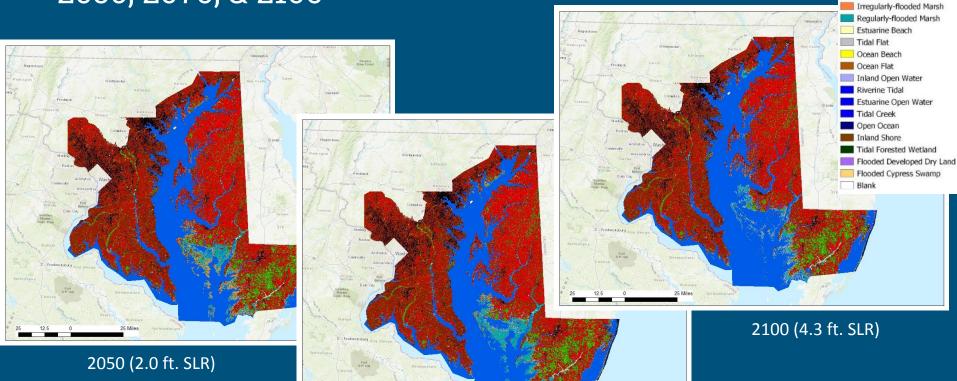
Understanding our current land use patterns



2010



SLAMM Results for 67% Growing 2050, 2070, & 2100



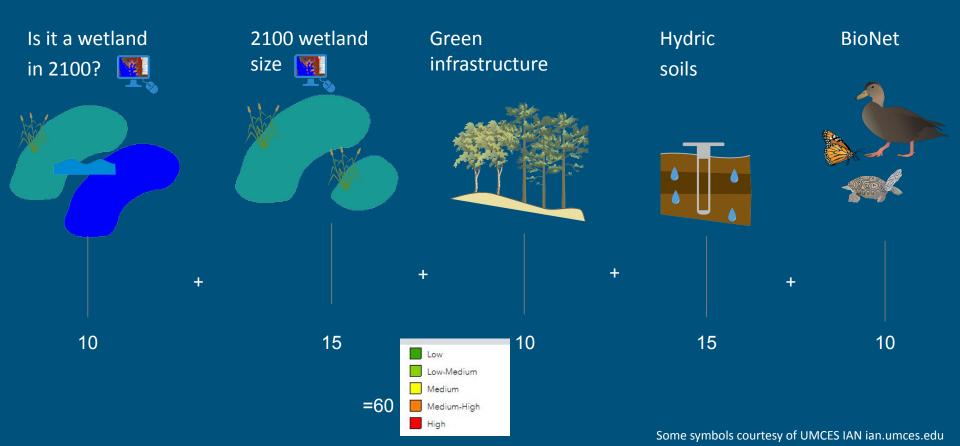
Developed Dry Land
Forested Dry Land
NonForested Dry

Forested Wetland
Tidal Cypress Swamp
Inland Fresh Marsh

Tidal Fresh Marsh
Transitional Salt Marsh

2070 (2.8 ft. SLR)

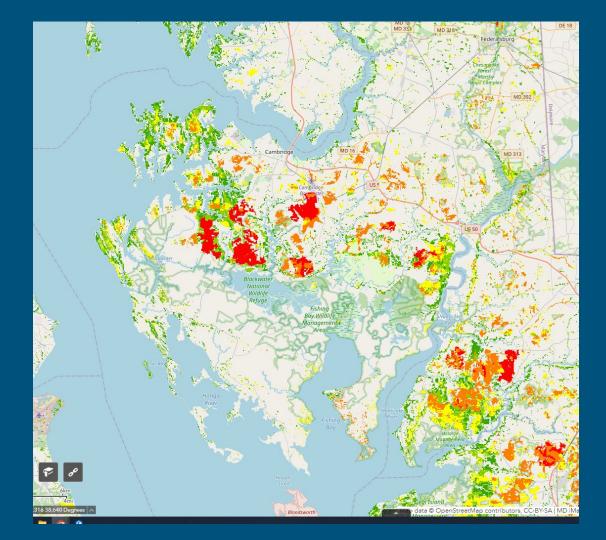
Wetland Adaptation Areas is an index

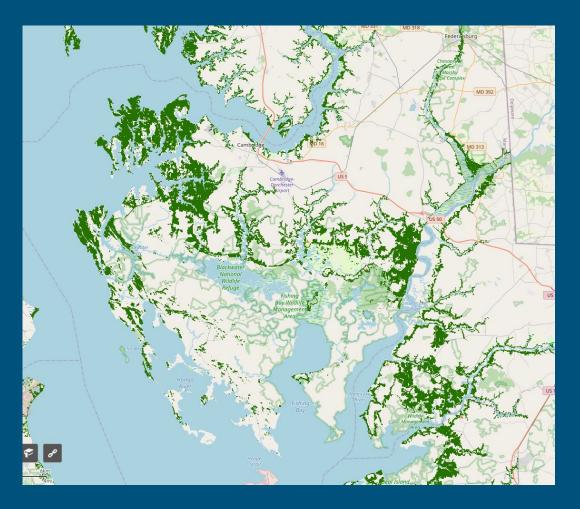




2100 WAA Index



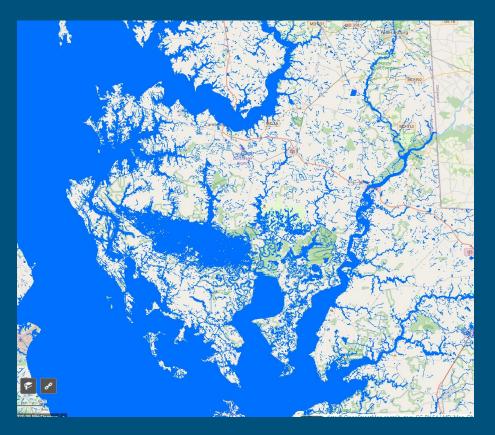




▼ ✓ Wetland Adaptation to Sea Level Rise	•••
▶ Uplands to Wetlands in 2100	•••
▶ Wetland Adaptation Areas Index 2100	***
▶ Wetland Adaptation Areas 2100	***
▶ Wetland Adaptation Areas 2070	•••
▶ Wetland Adaptation Areas 2050	•••
Sea Level Affecting Marshes Model SLAMM by 2100	•••
Sea Level Affecting Marshes Model SLAMM by 2070	•••
Sea Level Affecting Marshes Model SLAMM by 2050	•••
Drowned Lands in 2100	•••
Drowned Lands in 2070	•••
Drowned Lands in 2050	•••

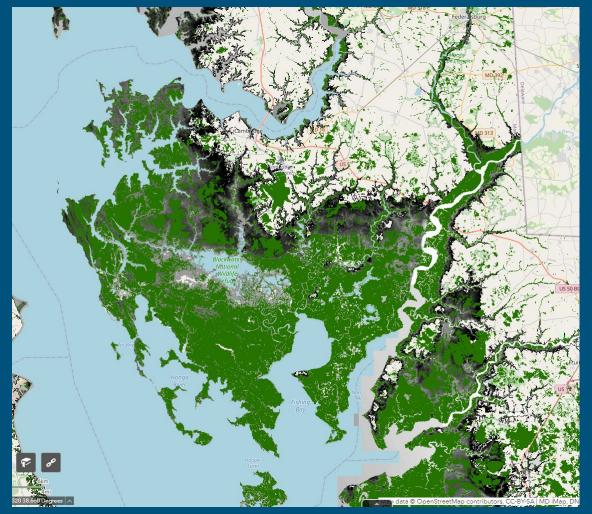
Uplands to Wetlands in 2100

Other Data





Drowned Lands in 2050 & Wetland Migration Corridor (WAA 2050 + 2070 + 2100)



CS-CRAB & 2050 WAA



Coast Smart Projects

- Should Wetland Adaptation Areas data be added to the Coast Smart screening form?
 - Is the project located in the Wetland Adaptation Areas for 2050/2070/2100?
 - Has the project considered adding design features to allow for wetland adaptation?