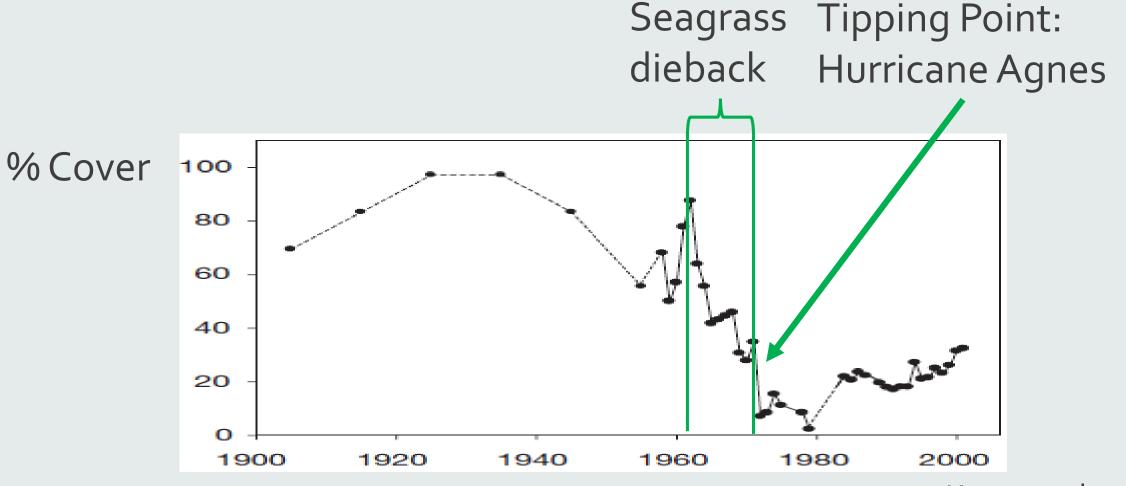


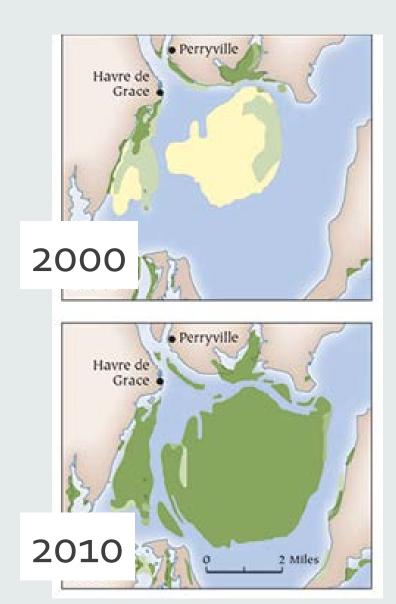
Resilience Lost



Kemp et al. 2005

Resilience Regained (2 hurricanes & counting)





Cassie Gurbisz (UMCES) in the Susquehanna Flats (Credit: Debbie Hinkle)

Can we use ecosystem services to value SAV resilience?







	Option 1	Option 2
Planting status	Not planted	Trees 2 years old
Location within species range	Southern edge	Northern edge
Fire Probability	1 in 10	1 in 50
Market Cost	\$ 10 / credit	\$ 20 / credit
Expected Cost (CO2 sequestered)	\$30/ton	\$23/ton

Perhaps the value of SAV is what it represents



Valuing Resilience

- 1. Reliability makes any ecosystem service more valuable
- 2. Resilience is an end in itself if we are investors in the future
 - Reduce controllable stressors to create capacity to absorb uncontrollable or novel stressors

