A wide, flat landscape of a tidal wetland. The foreground and middle ground are dominated by lush green grasses. A winding waterway, likely a tidal creek, flows through the center of the field. In the distance, a line of trees and some buildings are visible under a clear blue sky with a few wispy clouds.

Assessing the condition of tidal wetlands at the site and watershed scale

Andy Howard, Alison Rogerson , and Amy Jacobs

Delaware Department of Natural Resources and Environmental Control





Development

CRAM & NERAM



Mid-Atlantic Tidal Wetland Rapid Assessment Method

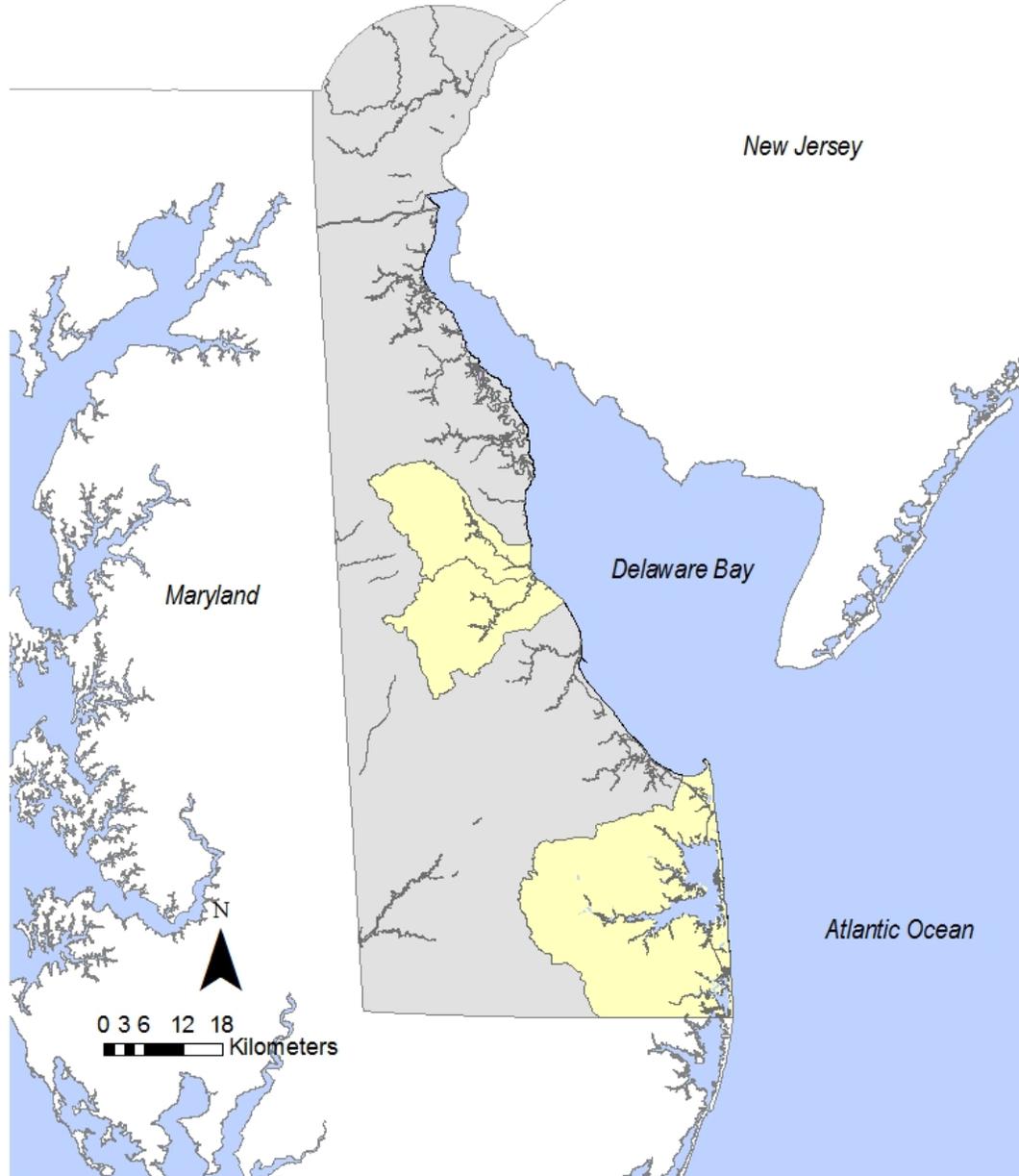


50 m assessment area
250 m buffer area

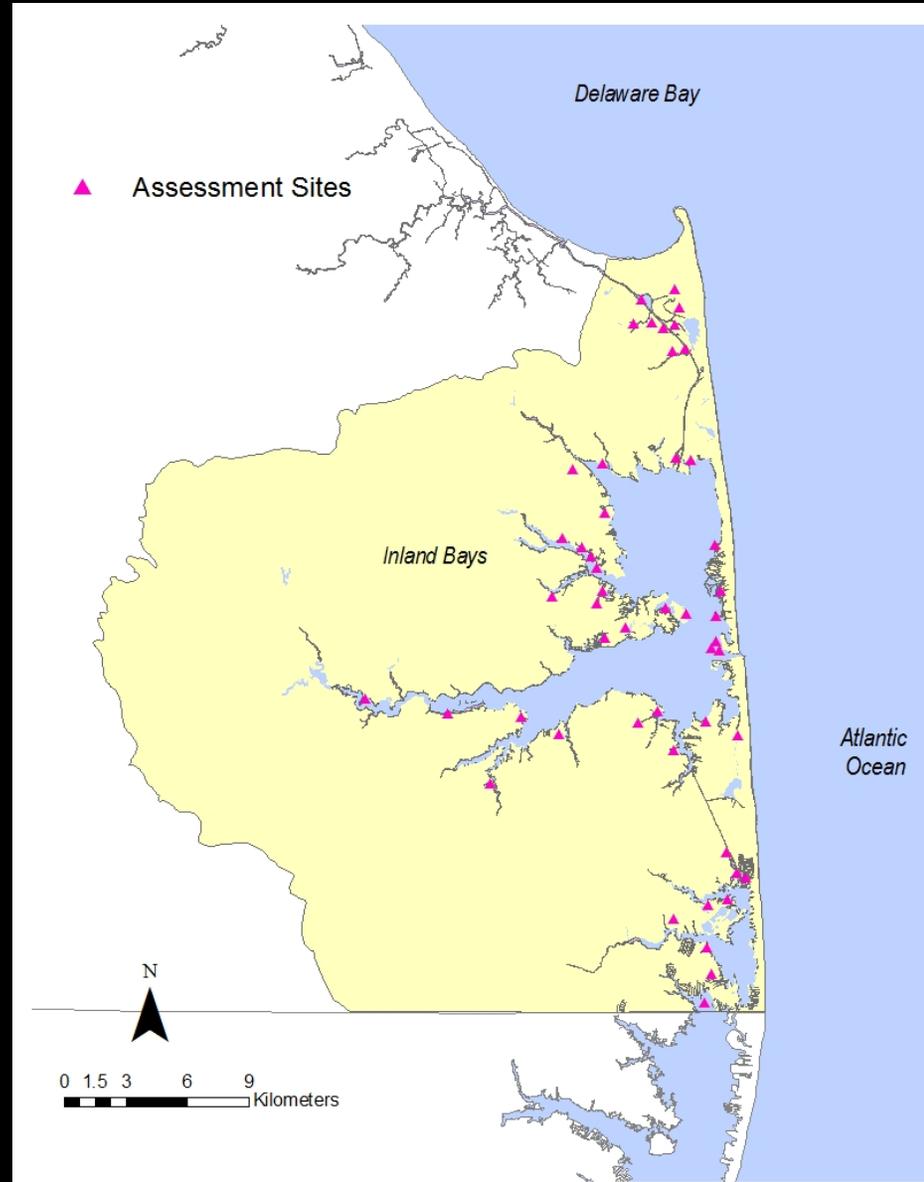
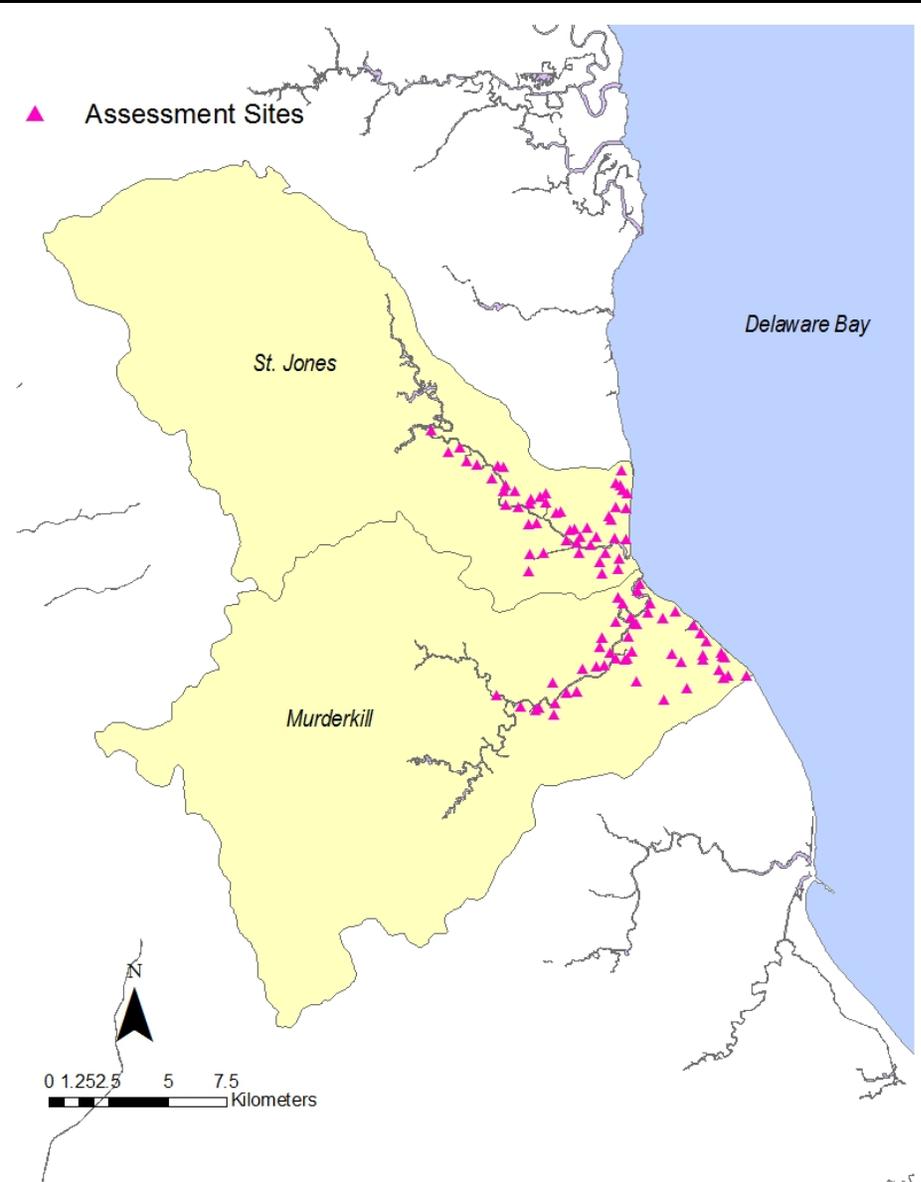


Three Watersheds

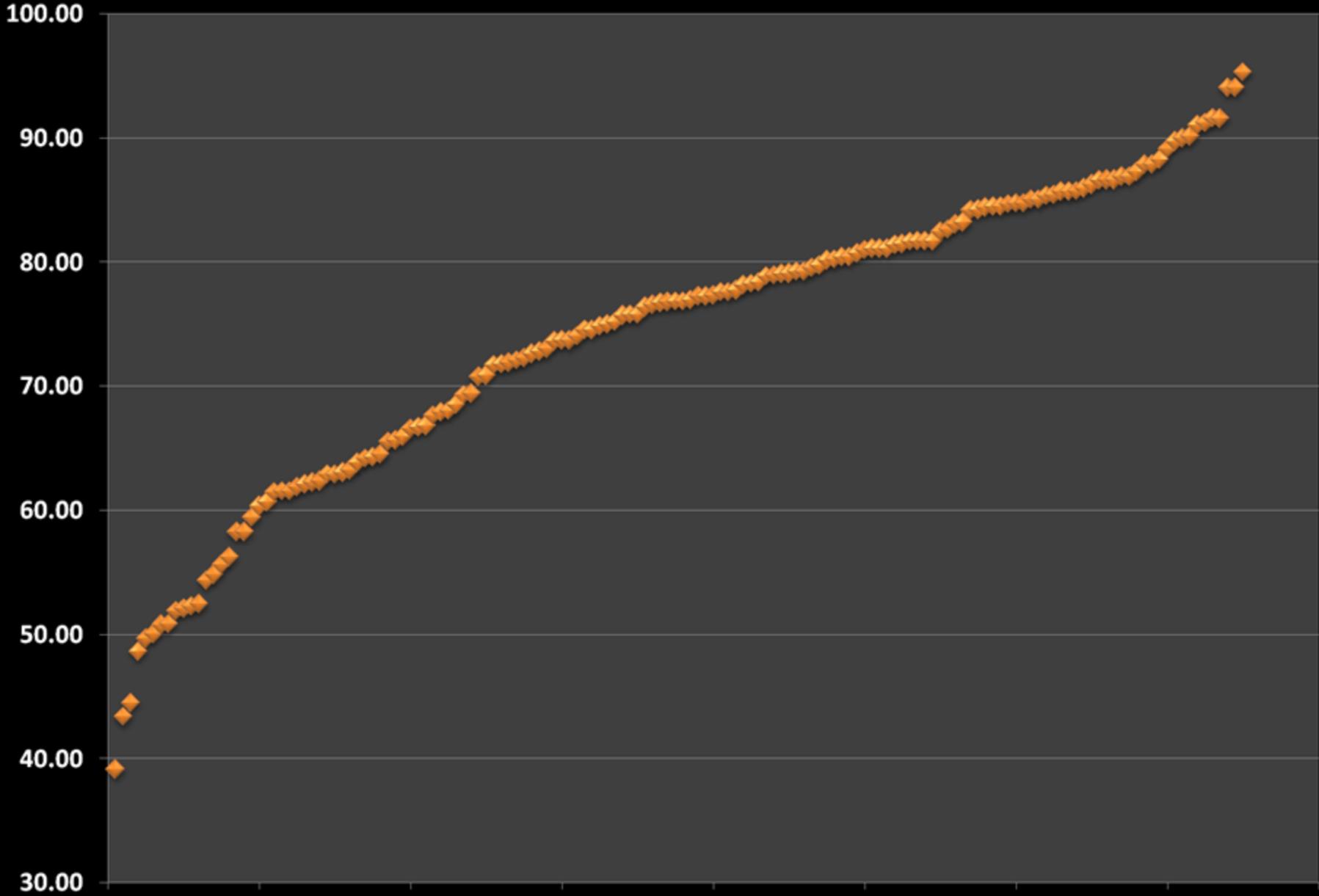
Pennsylvania



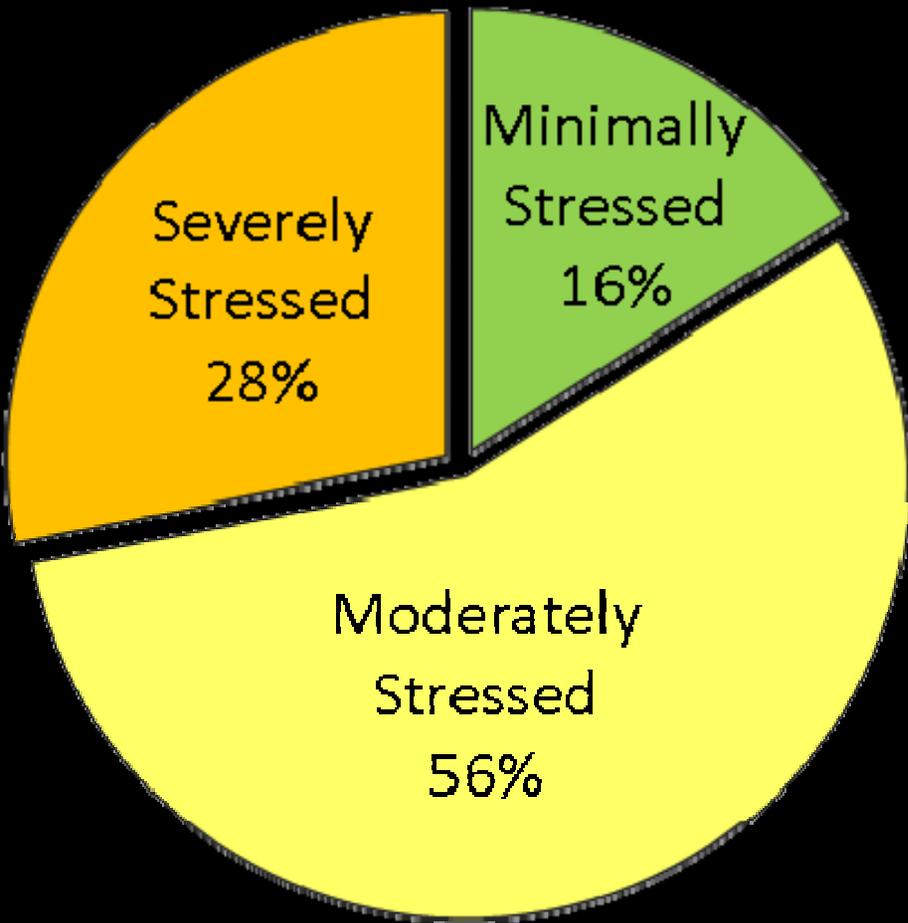
150 Assessment Sites



Midtram Scores IB, MU, SJ



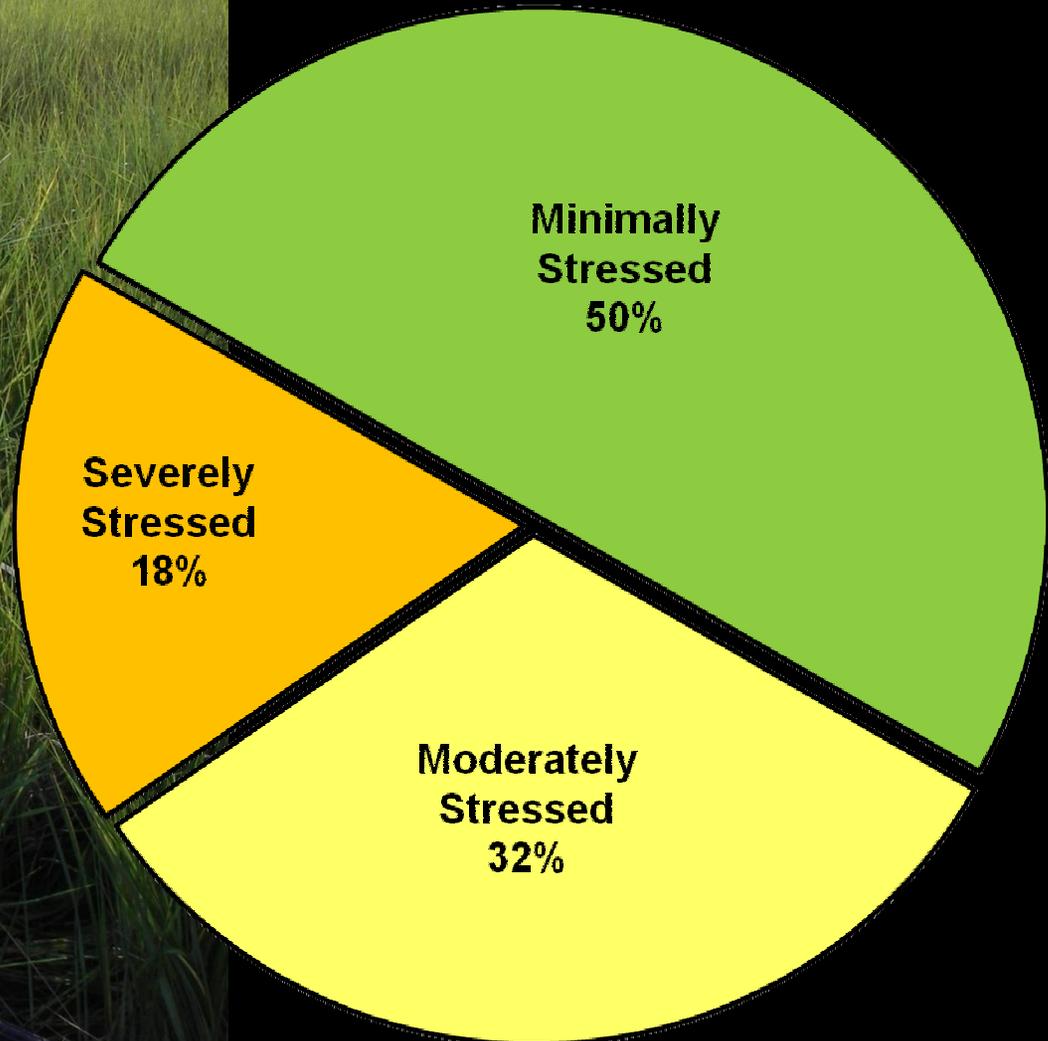
Inland Bays



Inland Bays Watershed

Metric Averages	Minimally Stressed	Moderately Stressed	Severely Stressed
% development in 250m buffer	<1	6	23
% of shoreline obstructed from marsh migration	0	3	50

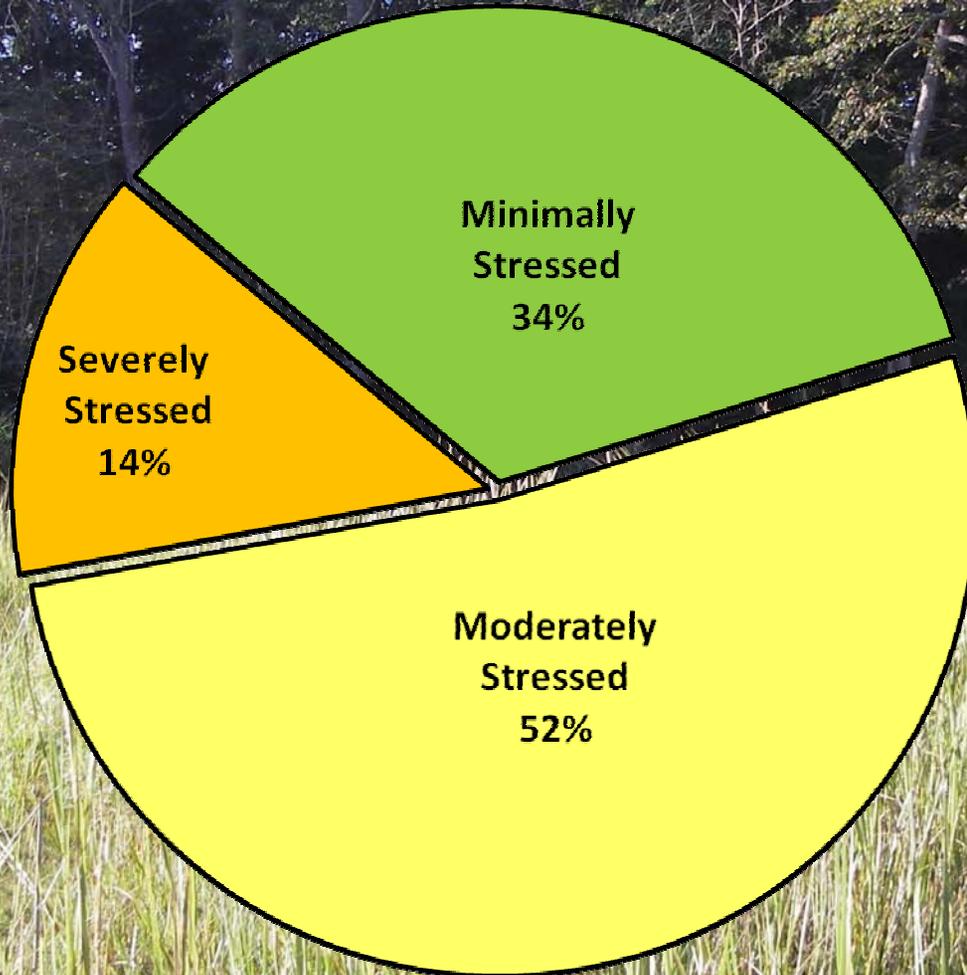
St. Jones



St. Jones Watershed

Metric Averages	Minimally Stressed	Moderately Stressed	Severely Stressed
% fill in AA	<0.1	1	23
% cover of invasive plants in AA	3	18	20

Murderkill

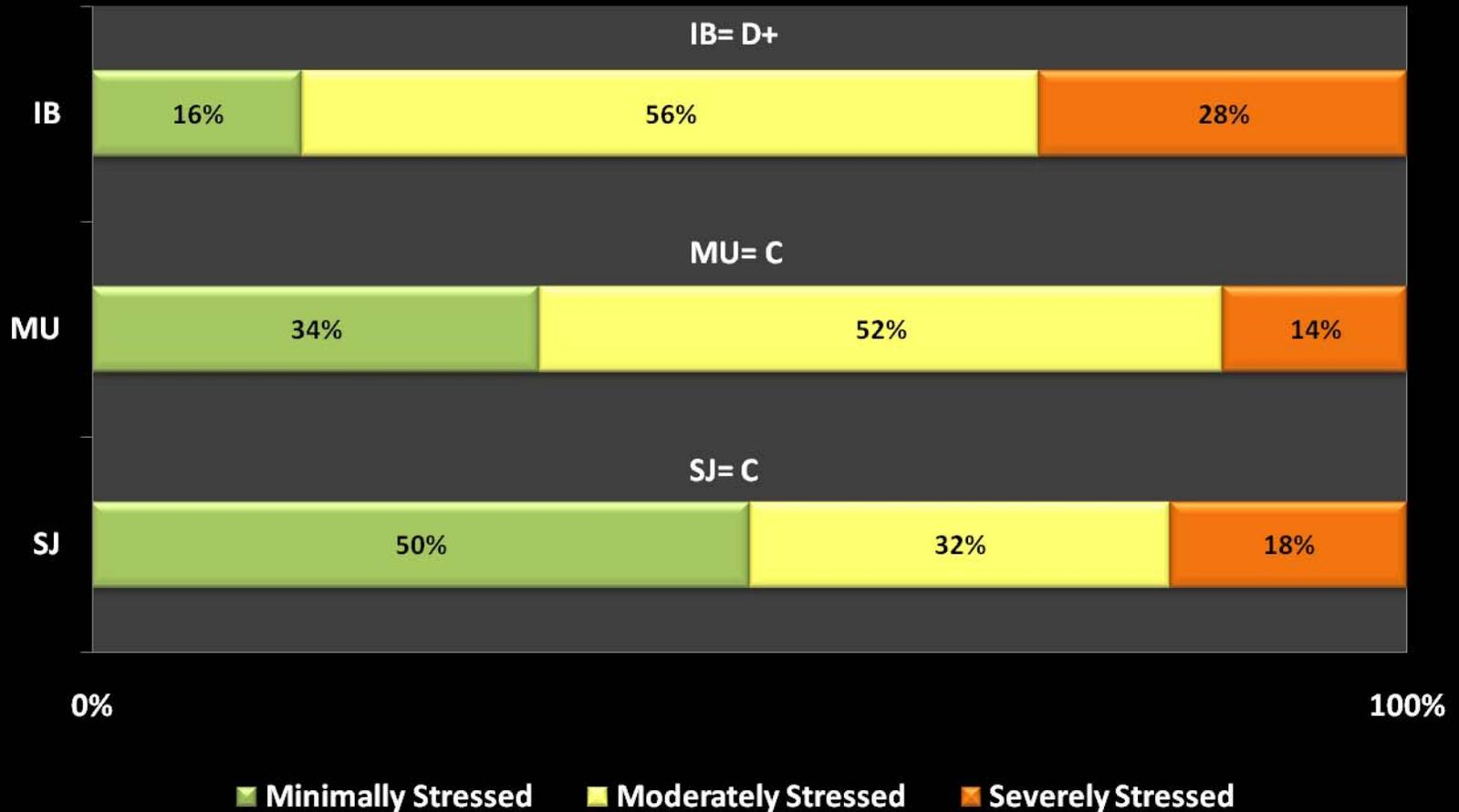


Murderkill Watershed

Metric Averages	Minimally Stressed	Moderately Stressed	Severely Stressed
% development in 250m buffer	<1	<1	6
% of shoreline obstructed from marsh migration	6	11	27



Tidal Watershed Comparison



Questions?

