

Marine transgression



Looking across several scales

Canopy



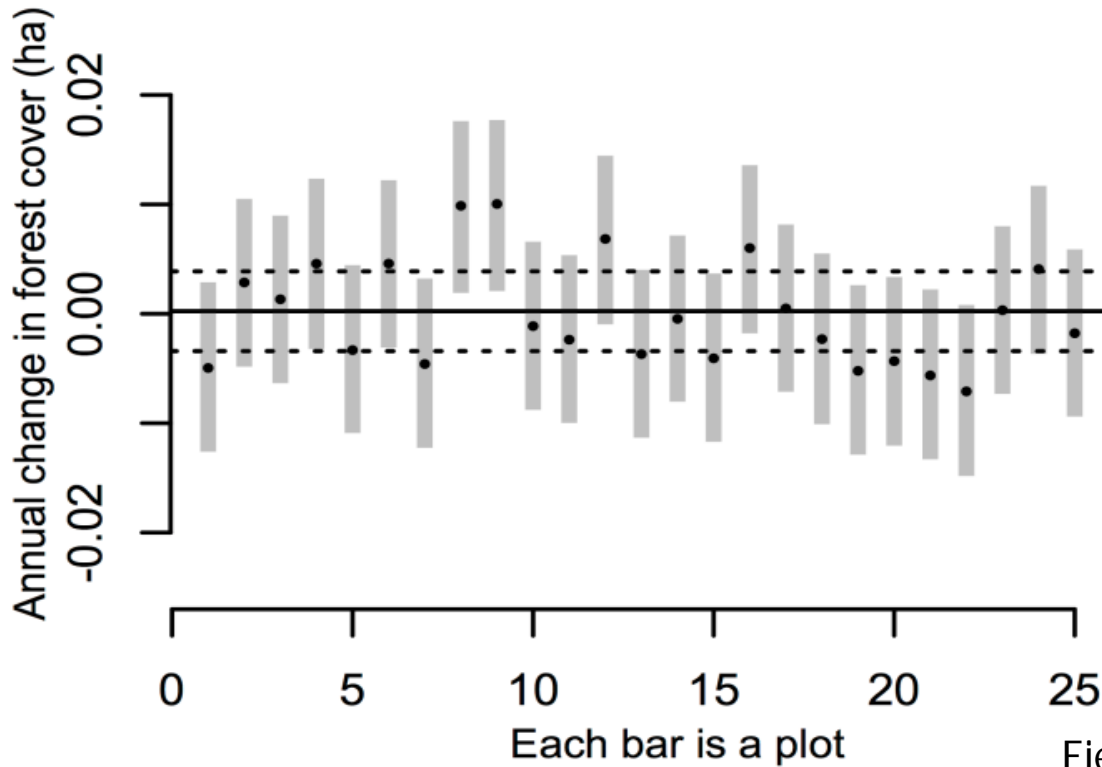
Rates of recent tree mortality



Annual growth rates of individual trees



No widespread evidence that forest edge is moving





Transects

25-100m, most ~75m

114 in CT

68 in NY

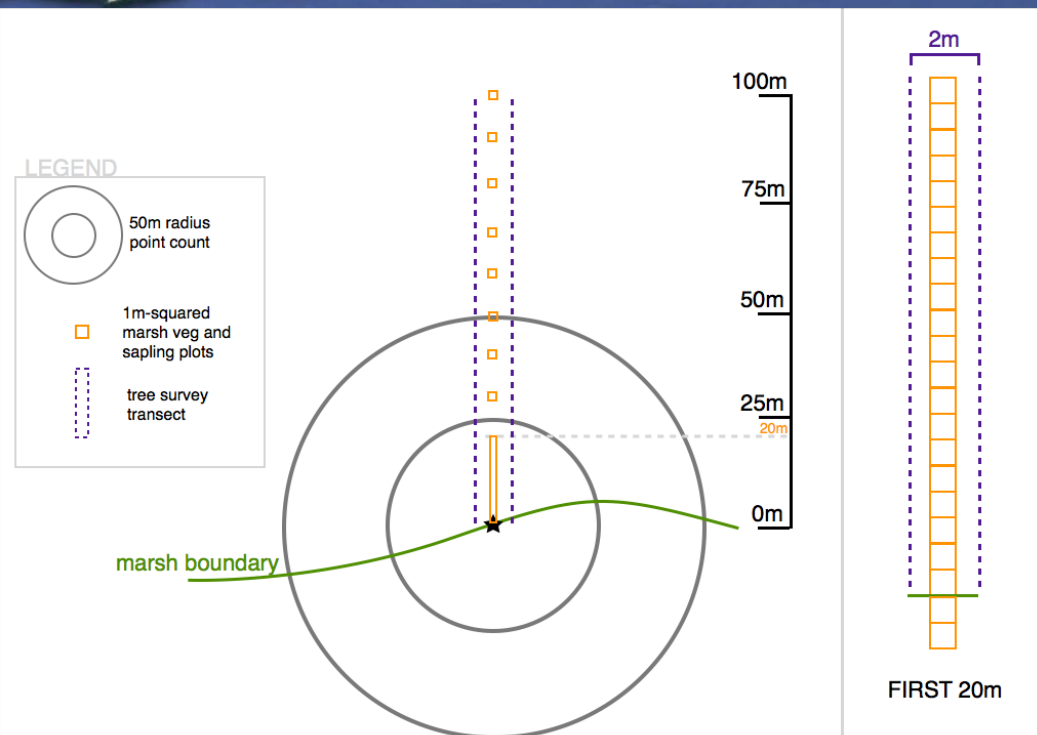
Birds: point counts,
shorebird transects

Trees: species, distance from
edge, dbh, dieback, alive or
dead, ID tag

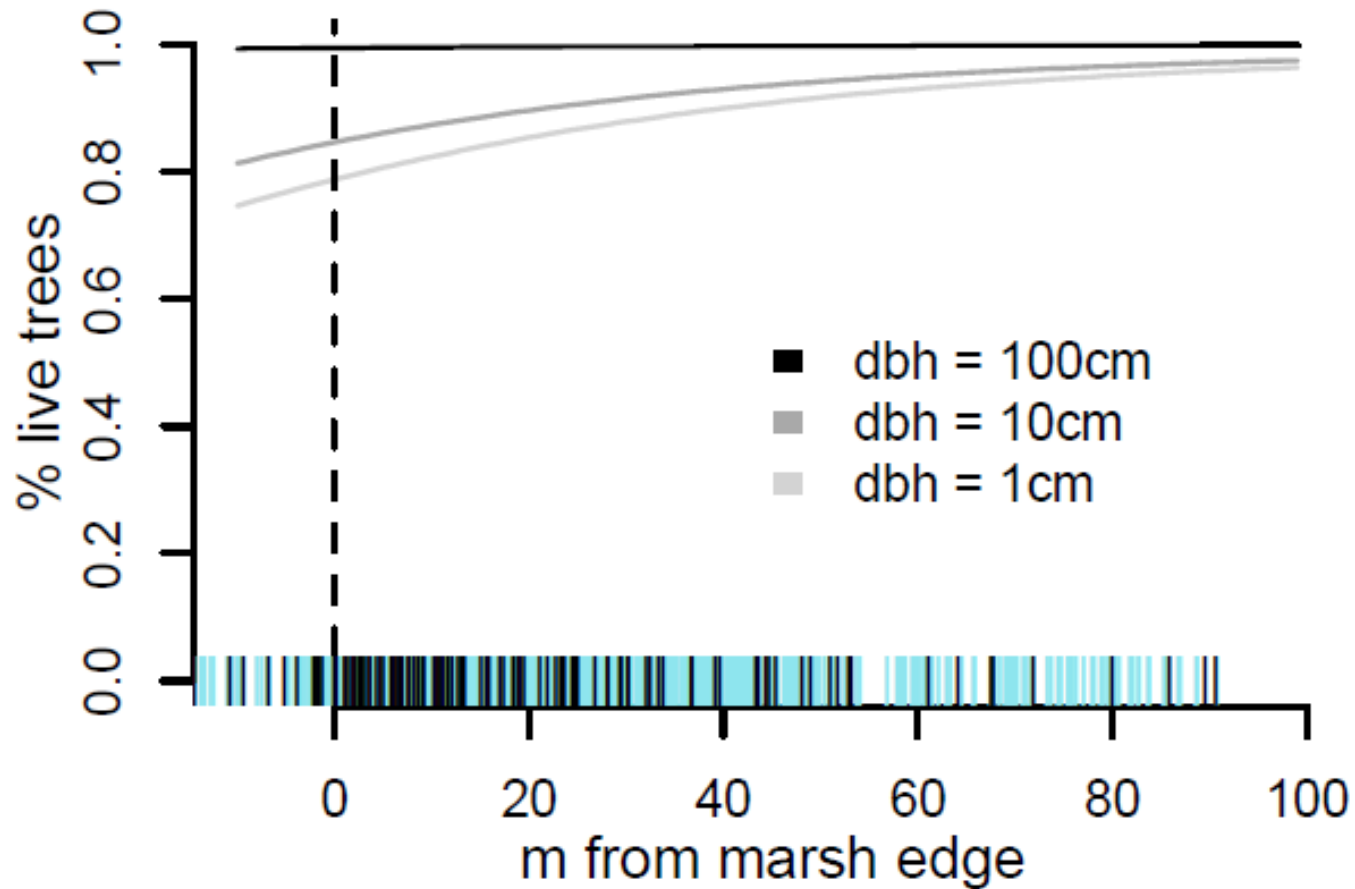
Seedlings: presence/absence

Marsh and border plants:
presence/absence, *Iva* height

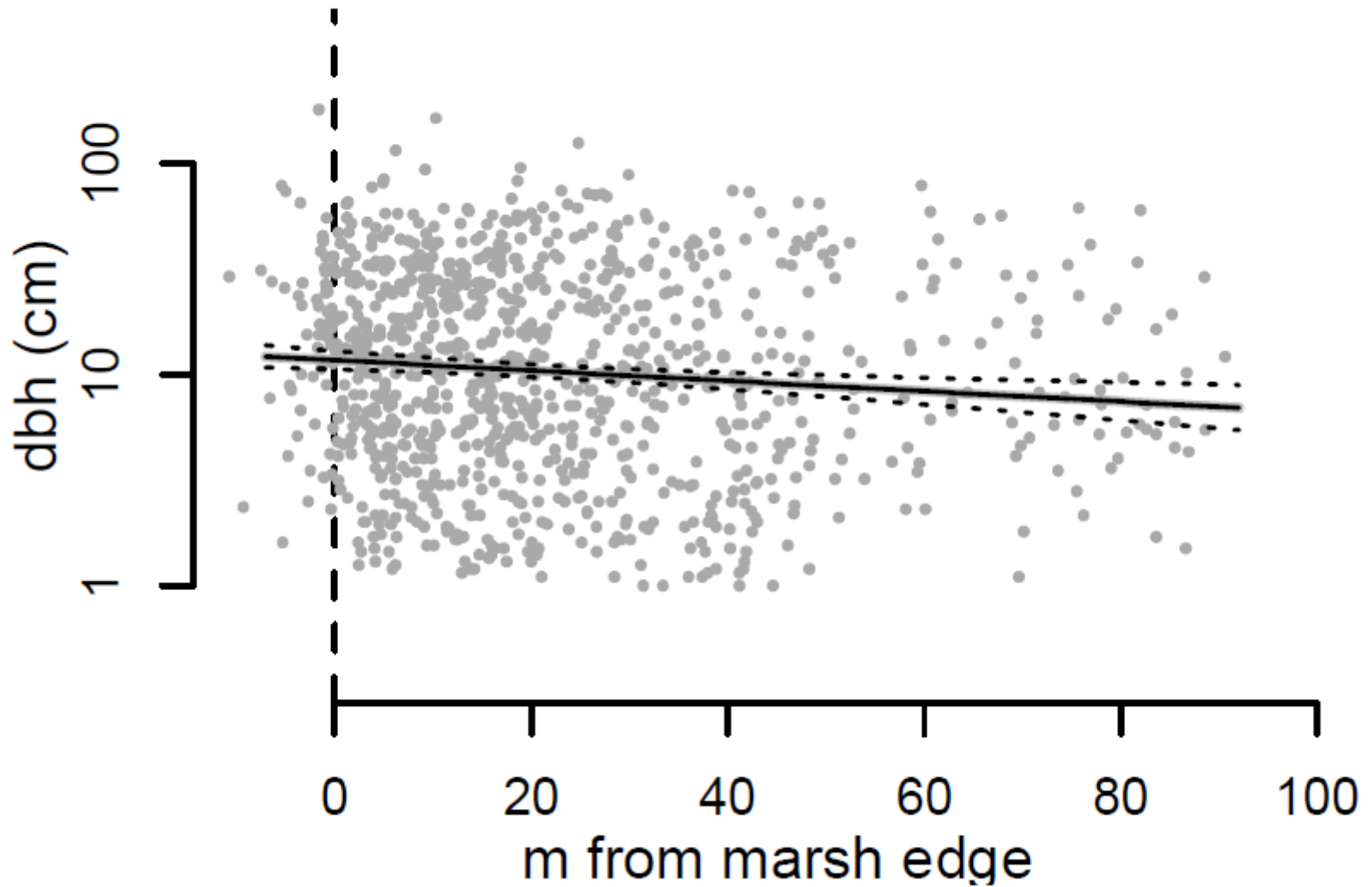
Location of edge: 3 GPS
readings, drawings on aerial
photos, tagged trees



Tree mortality for 3 size classes



Tree size declines as move away





picture from NOAA

MORE INFORMATION:

<http://www.tidalmarshbirds.org/>
<https://www.facebook.com/TidalMarshBirds>
#SHARPBirds

chris.elphick@uconn.edu
@ssts

Ecology and Evolutionary Biology
Center for Conservation and Biodiversity
University of Connecticut
<http://elphick.lab.uconn.edu>

