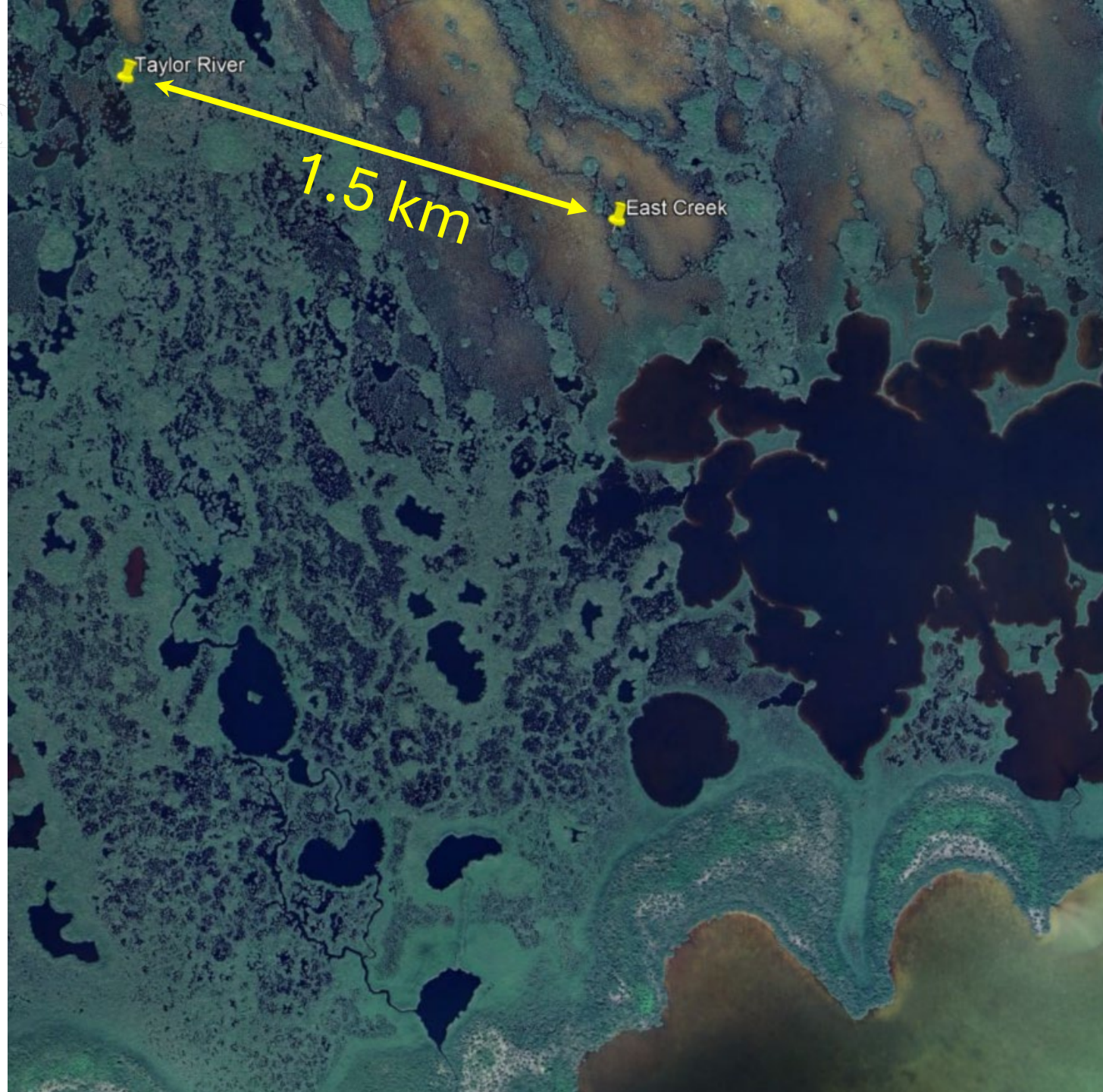
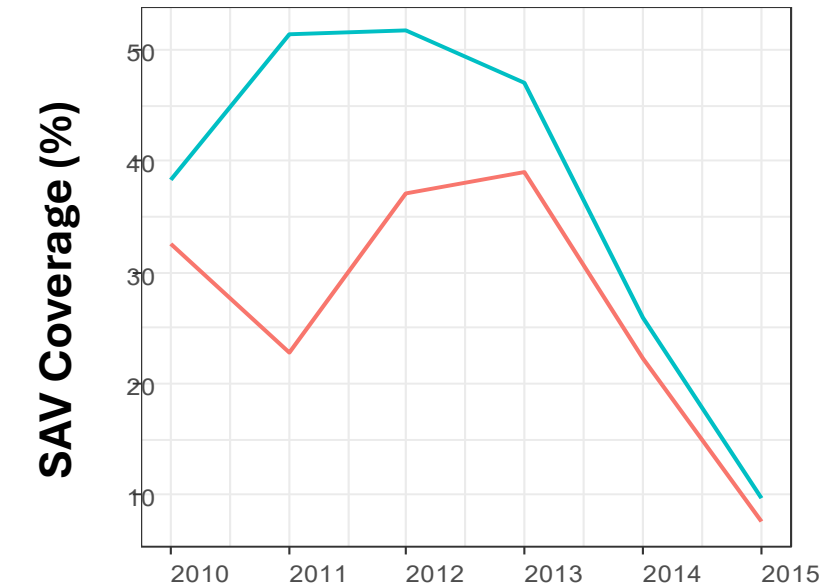
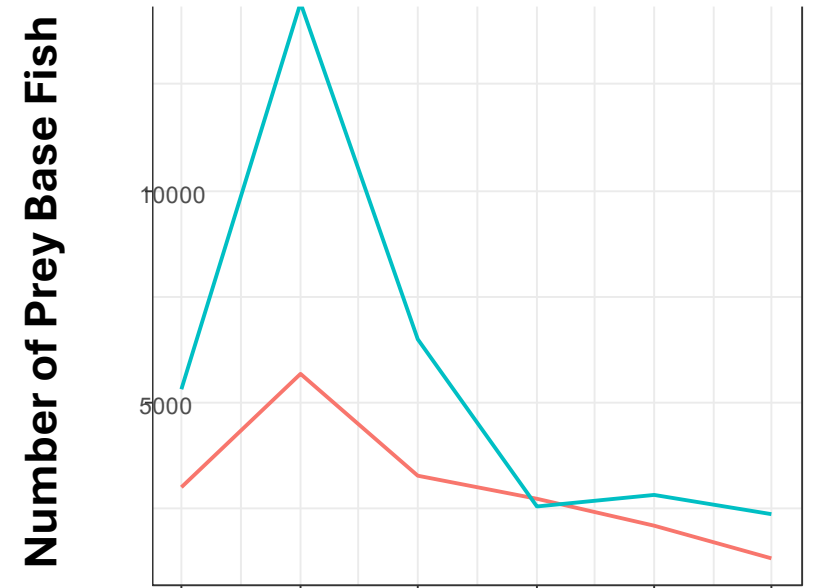
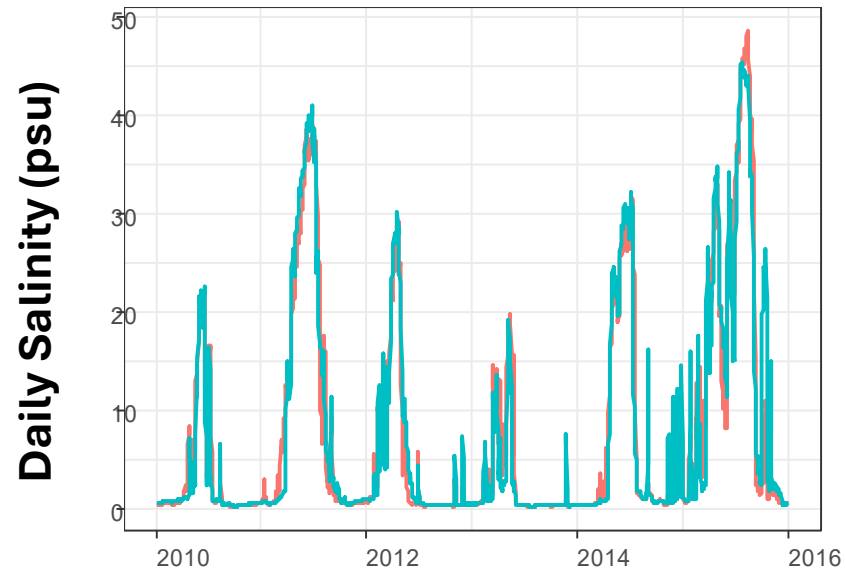
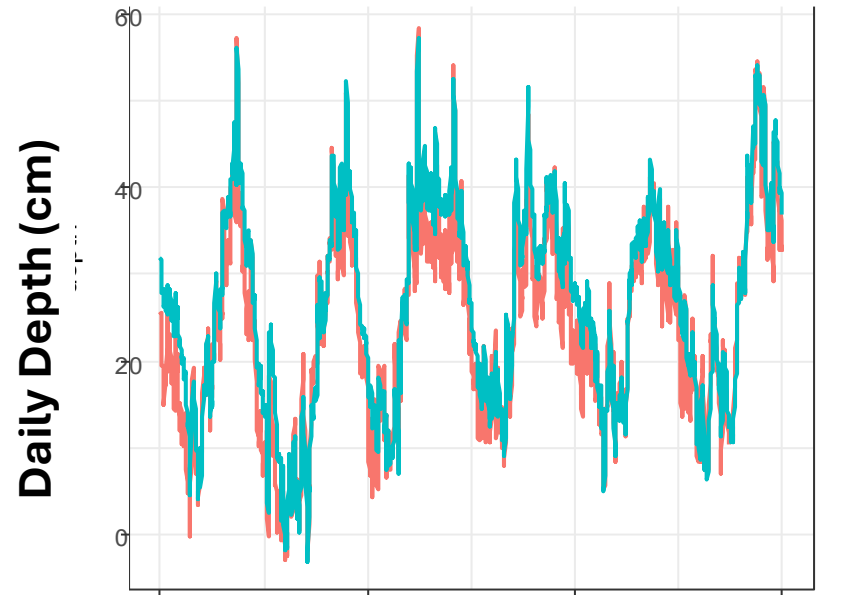


Investigating Spatial and Temporal Scales of Ecological Recovery Dynamics in the Southern Mangrove Zone

ALEXANDER BLOCHEL AND JEROME J. LORENZ
EVERGLADES SCIENCE CENTER





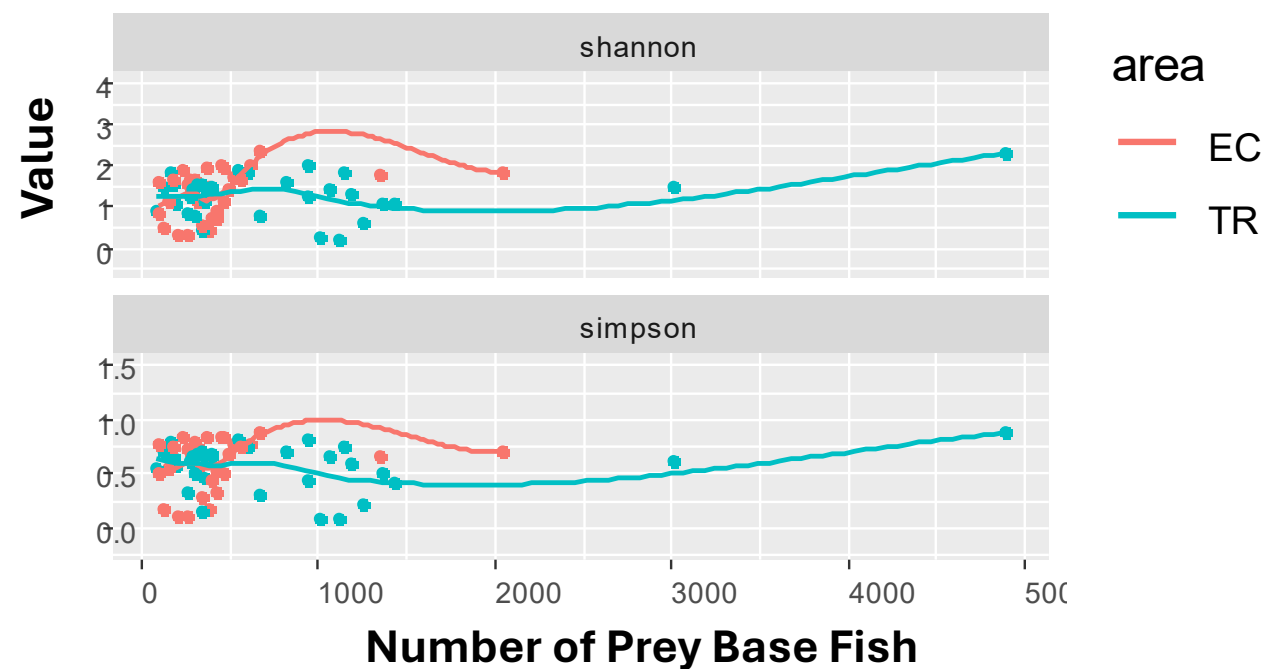
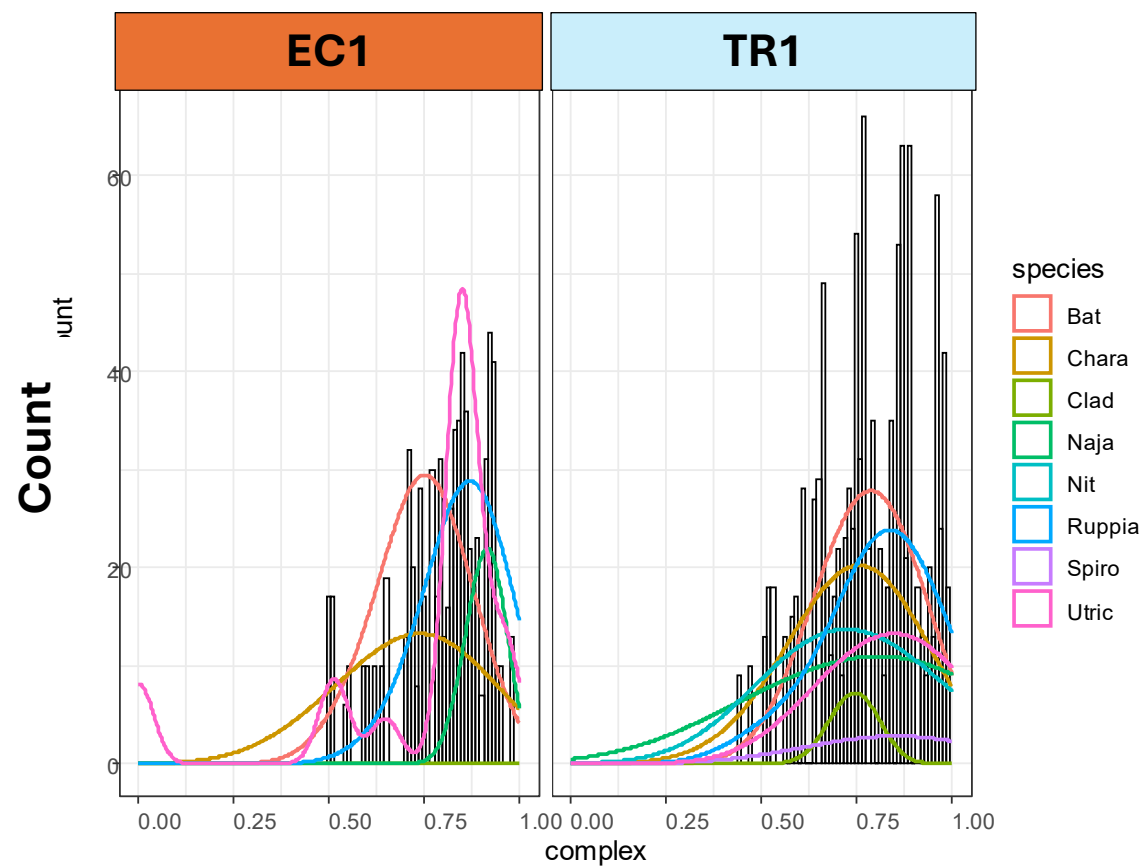


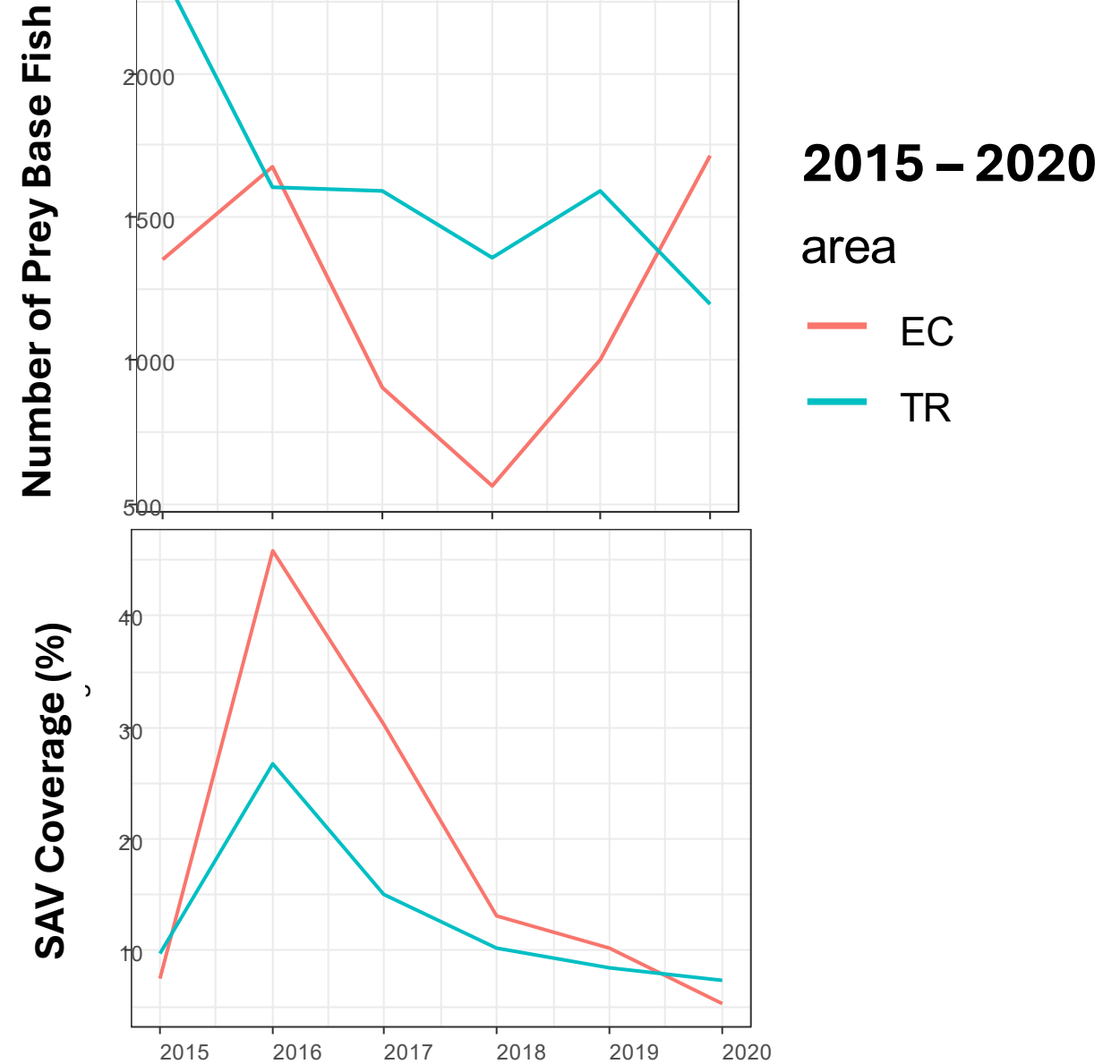
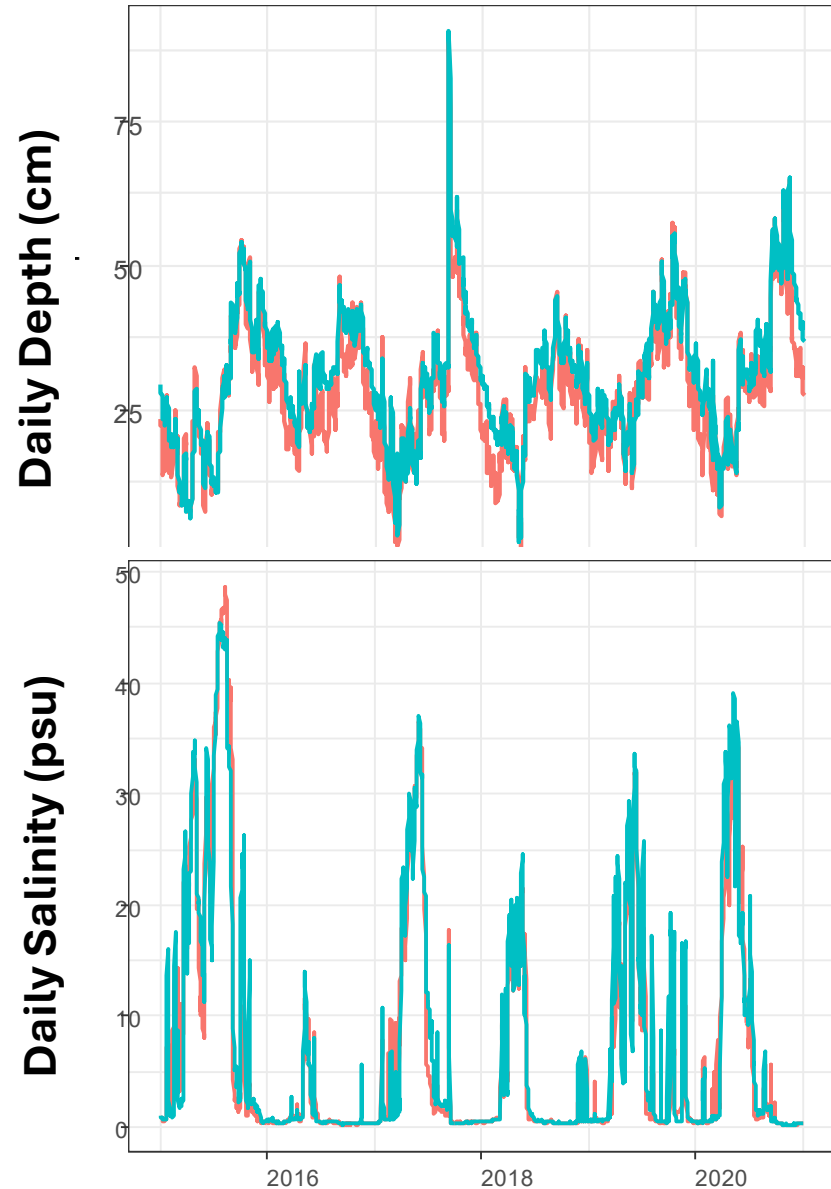
2010 – 2015

area

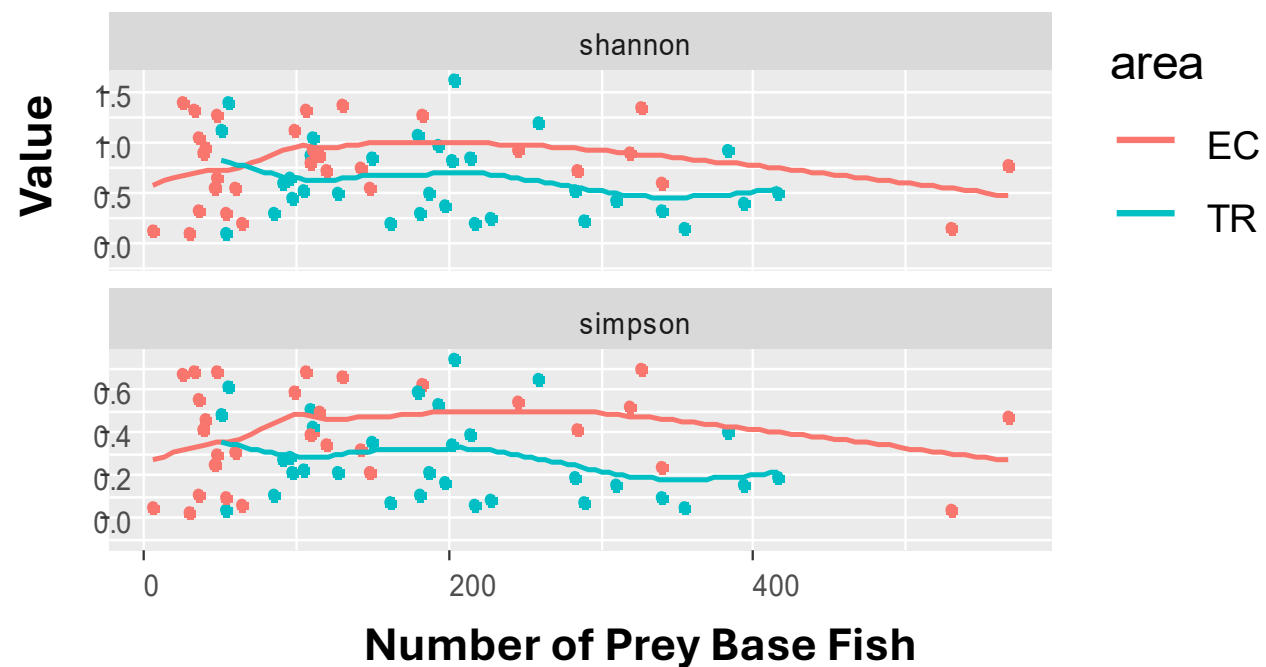
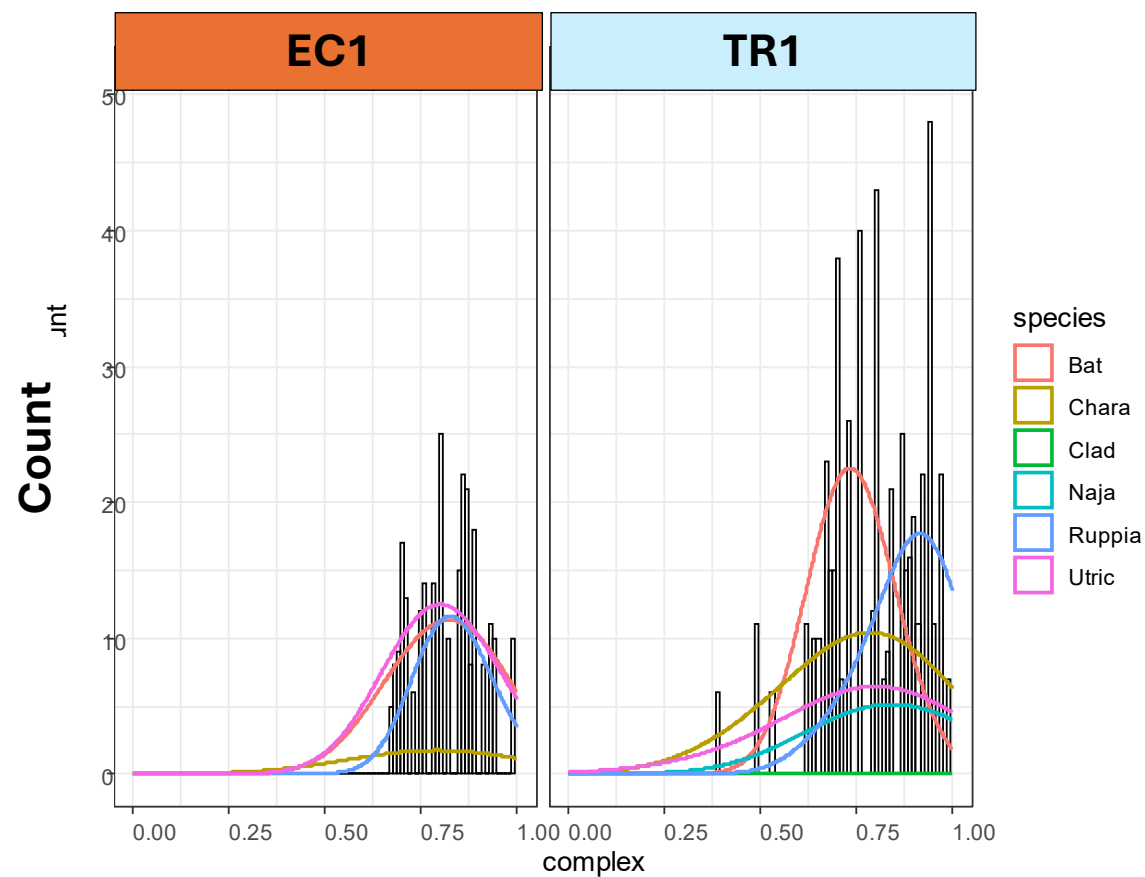
EC
TR

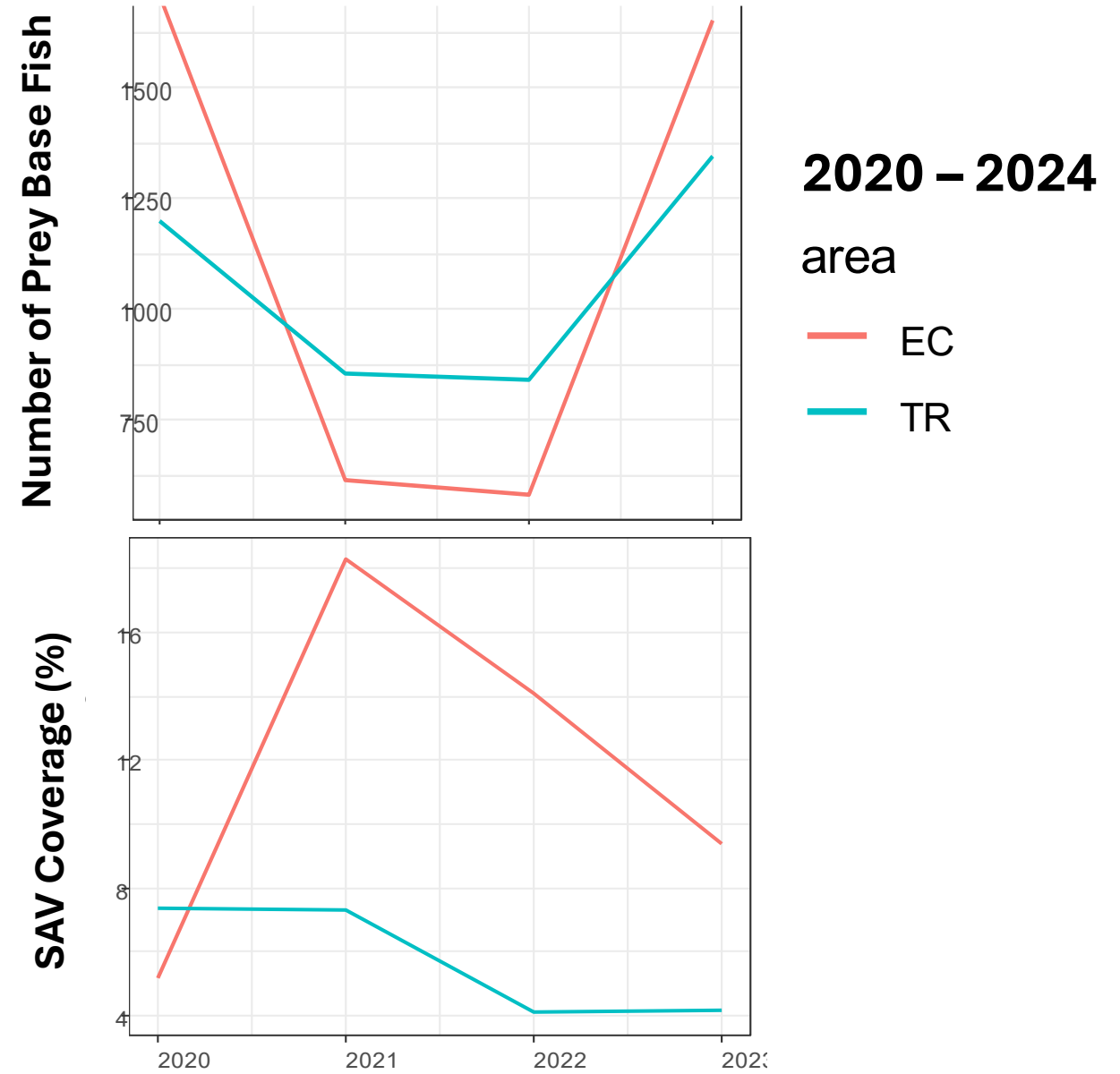
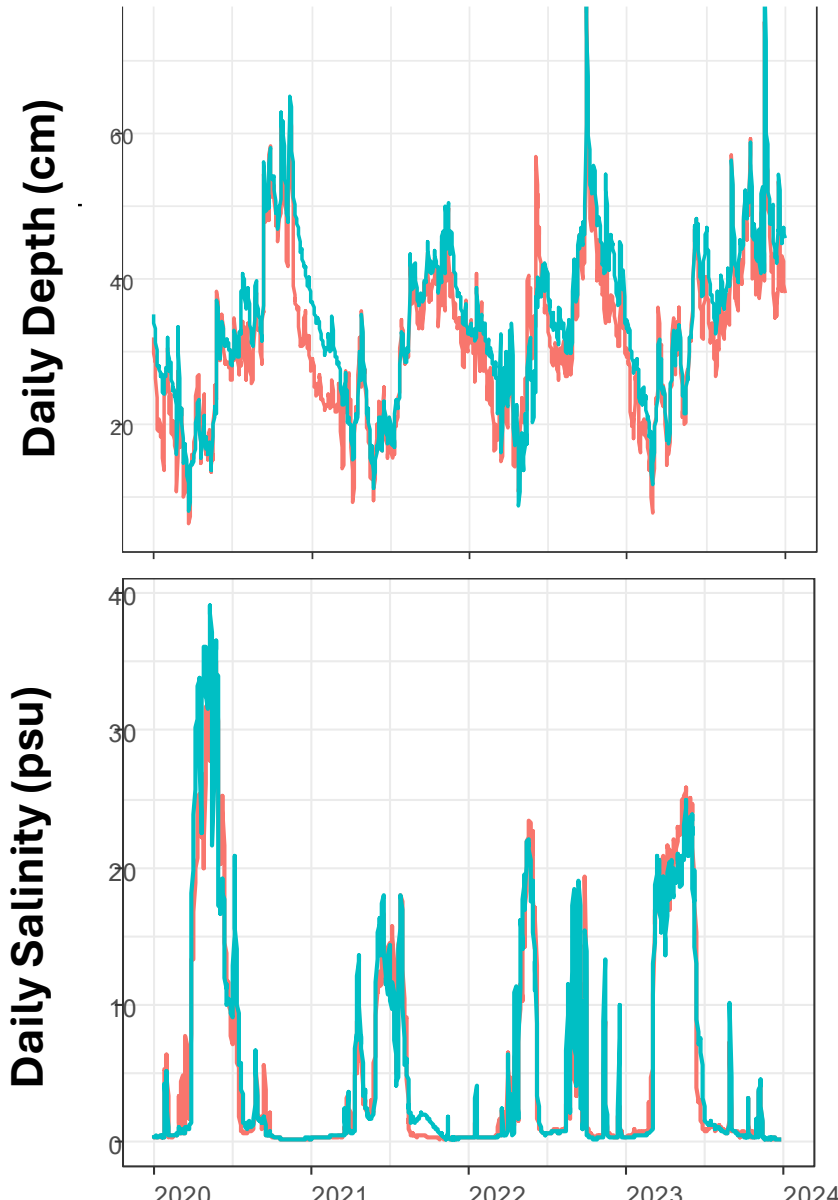
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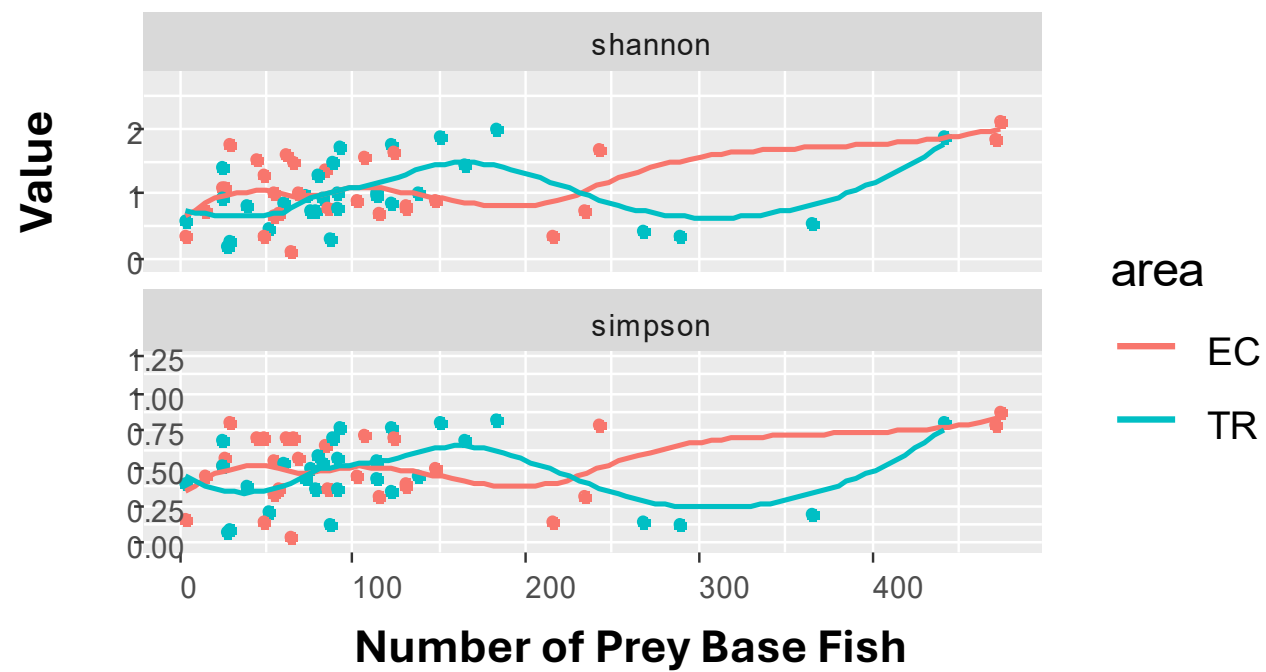
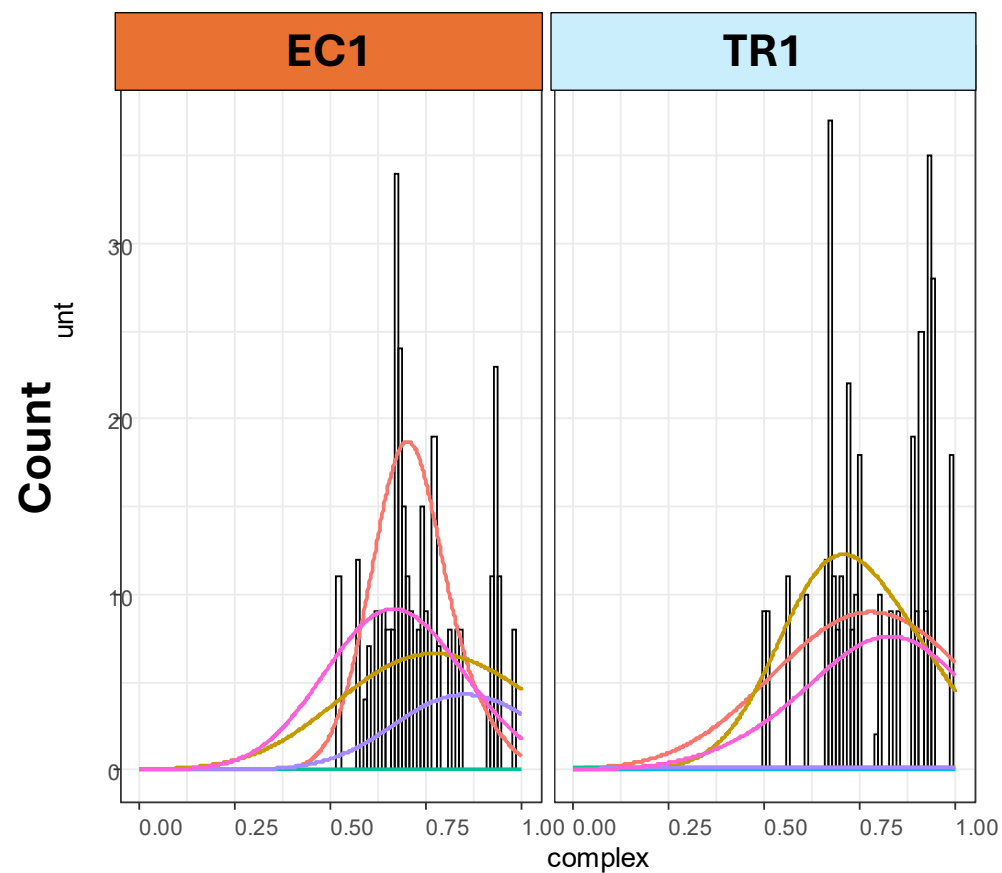


2015 – 2020





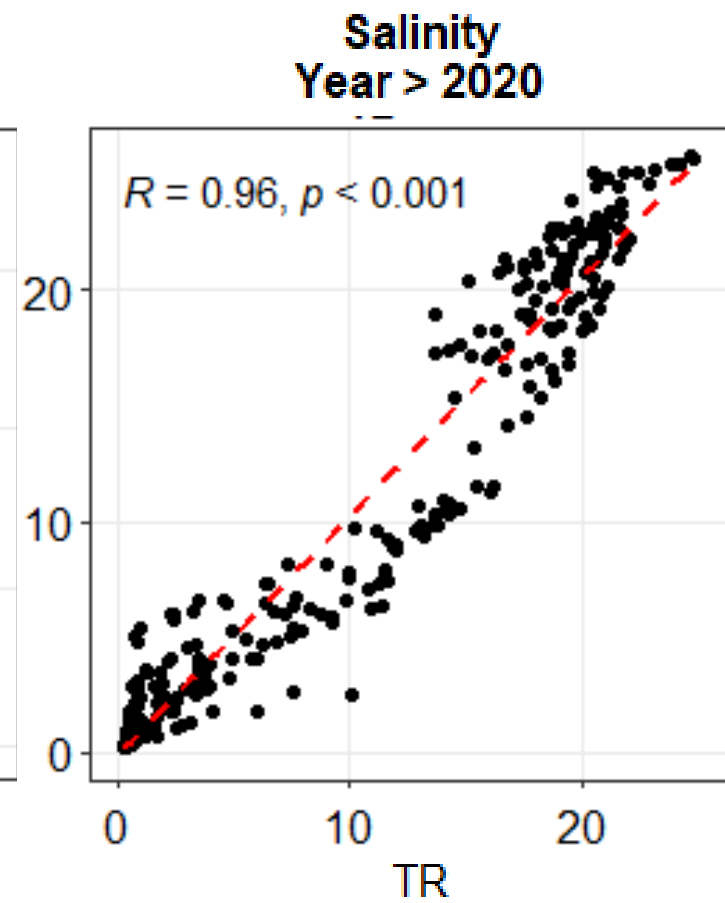
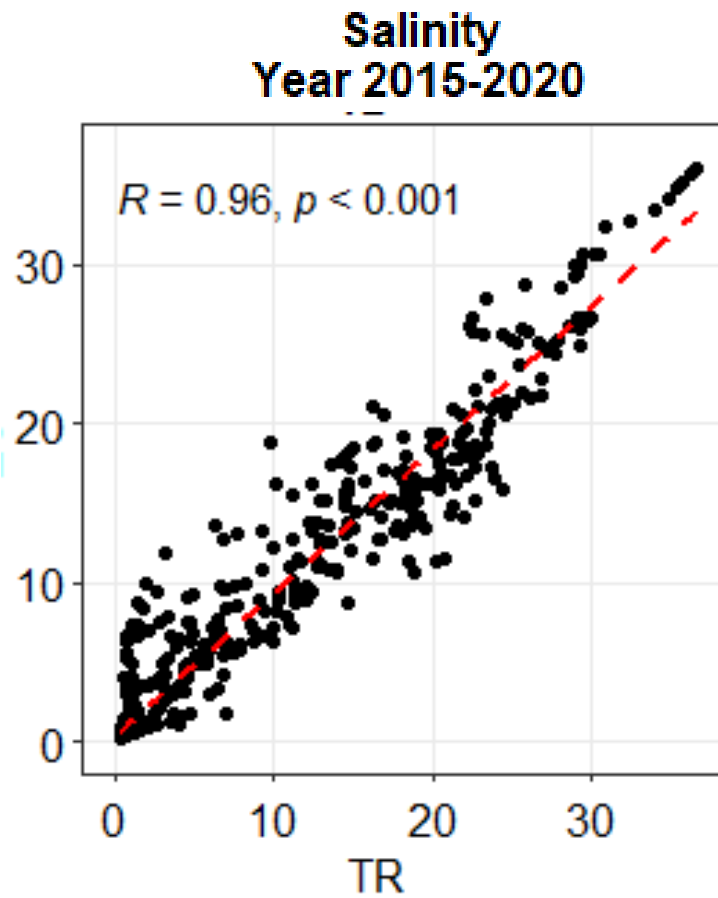
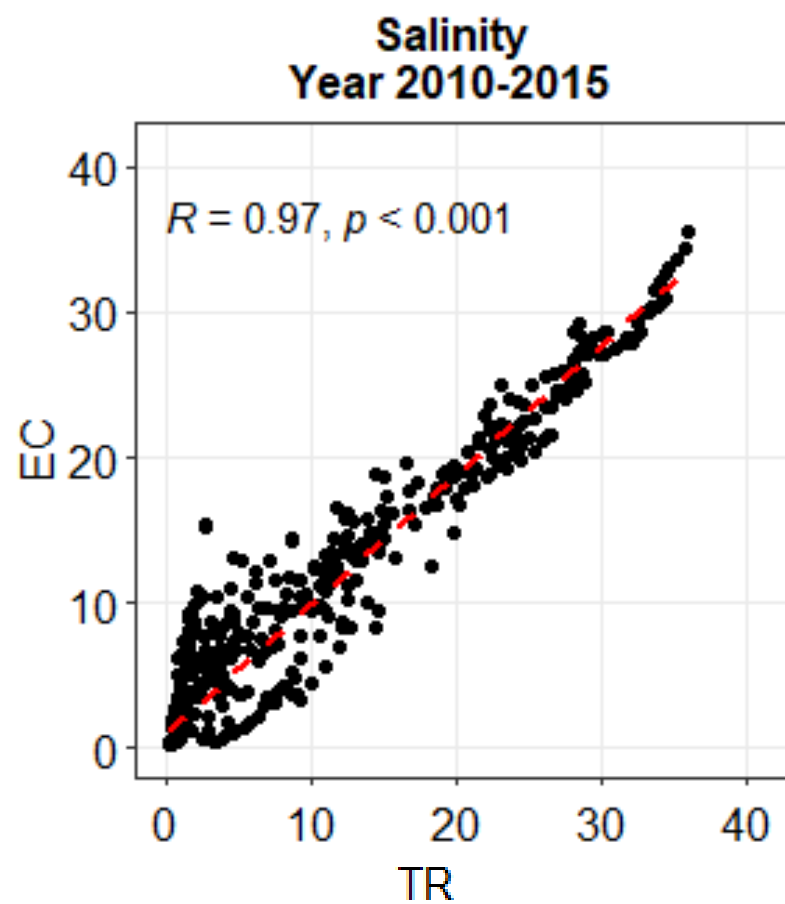
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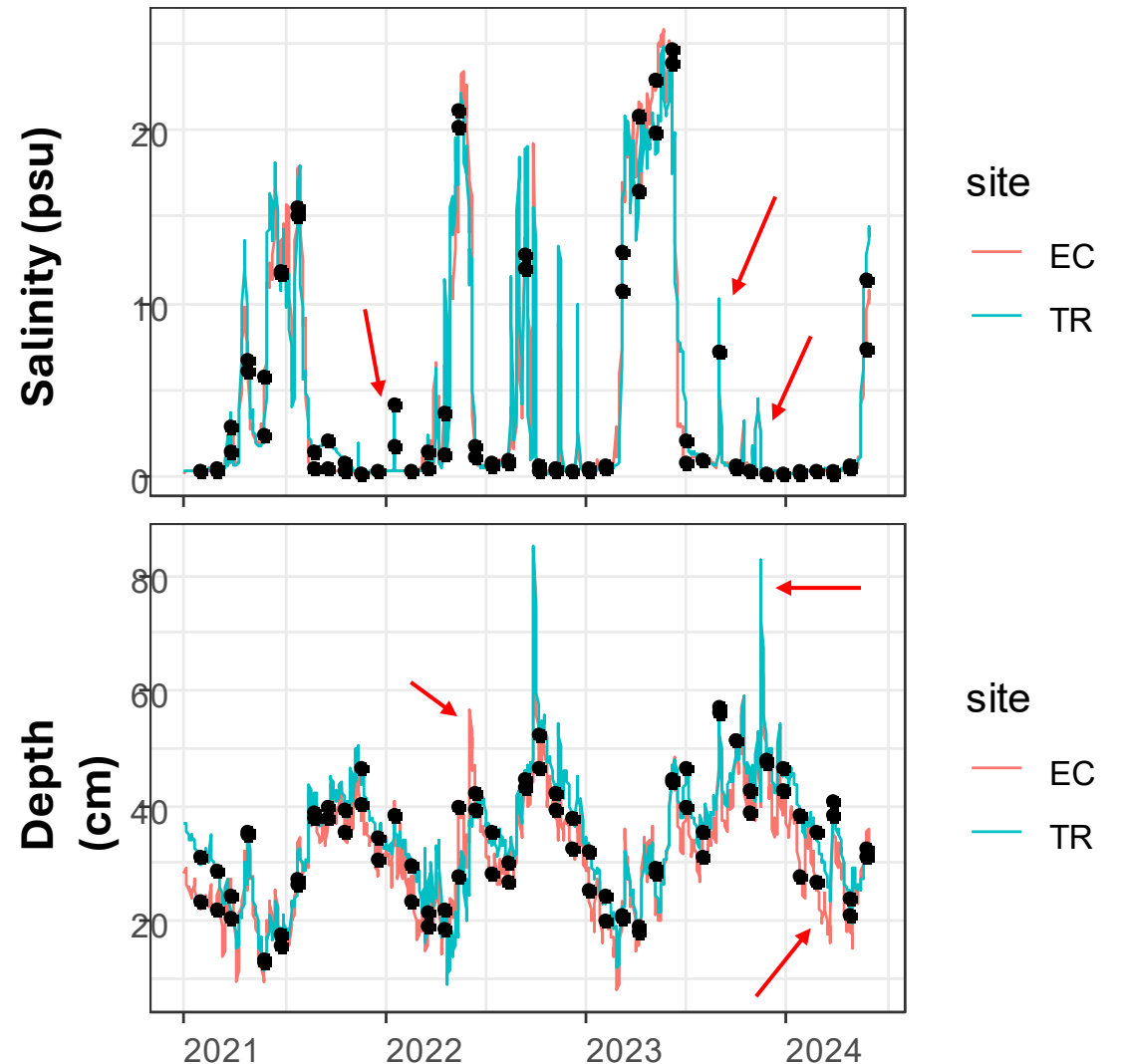


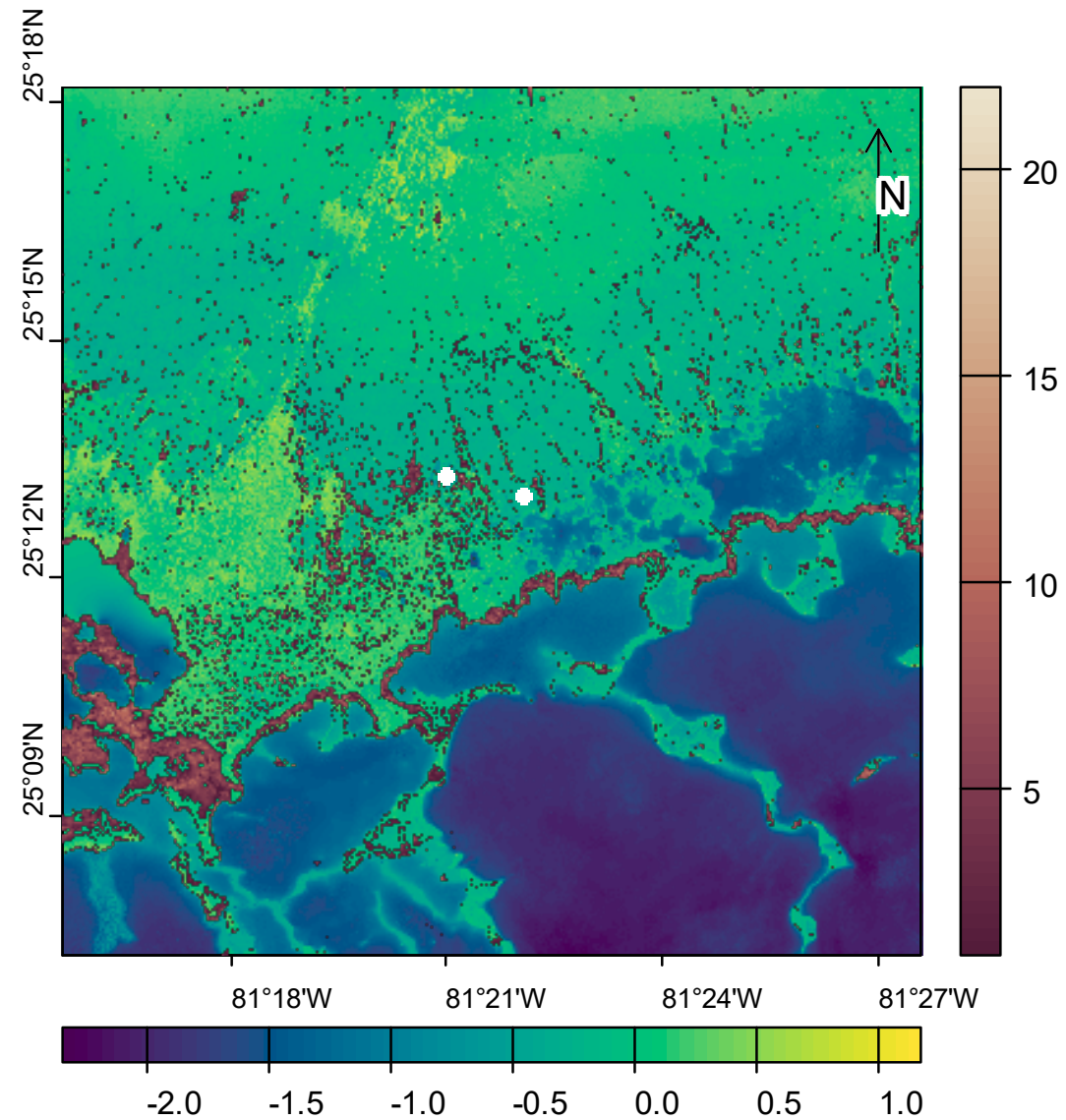
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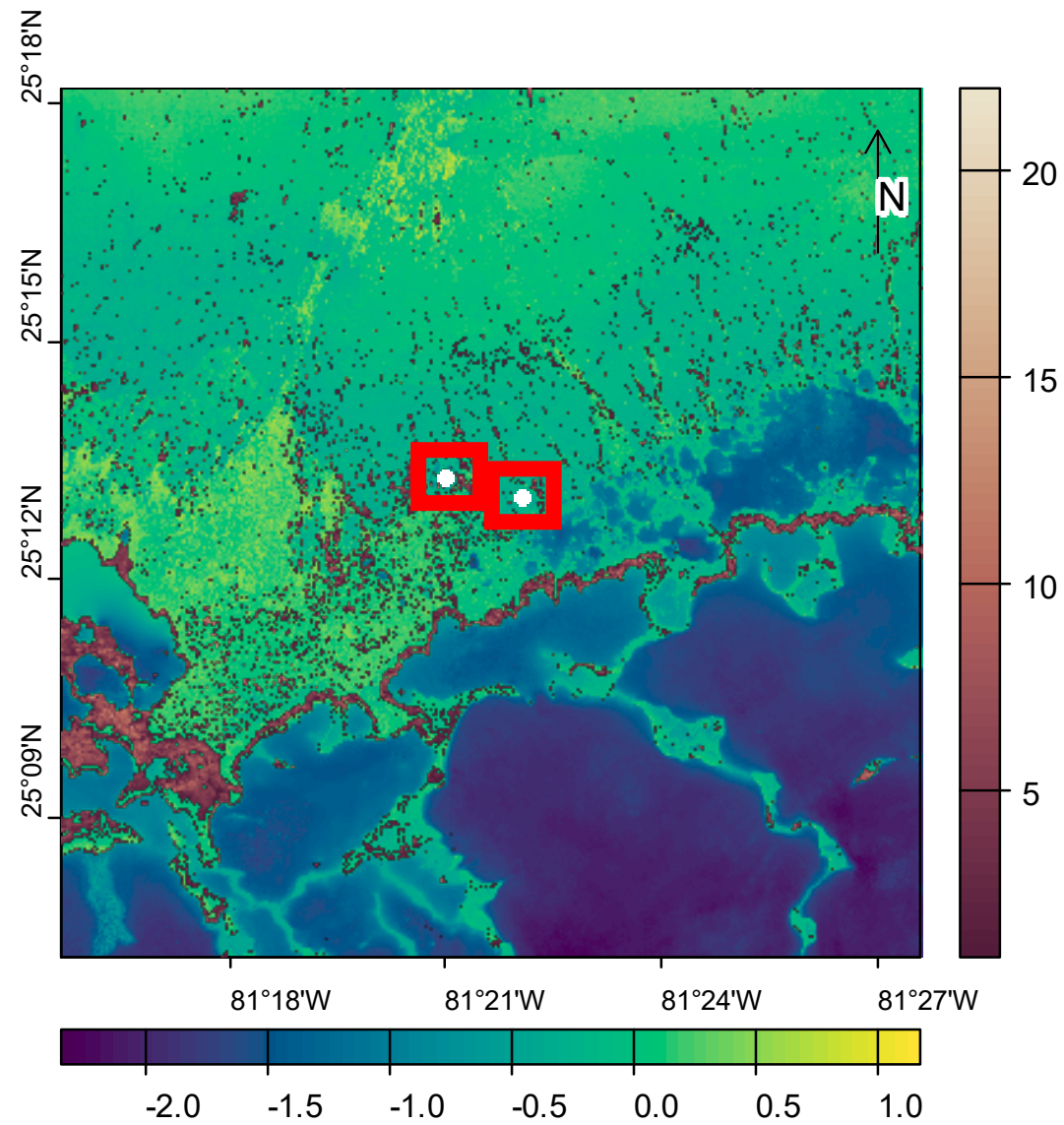
Everglades
Science Center

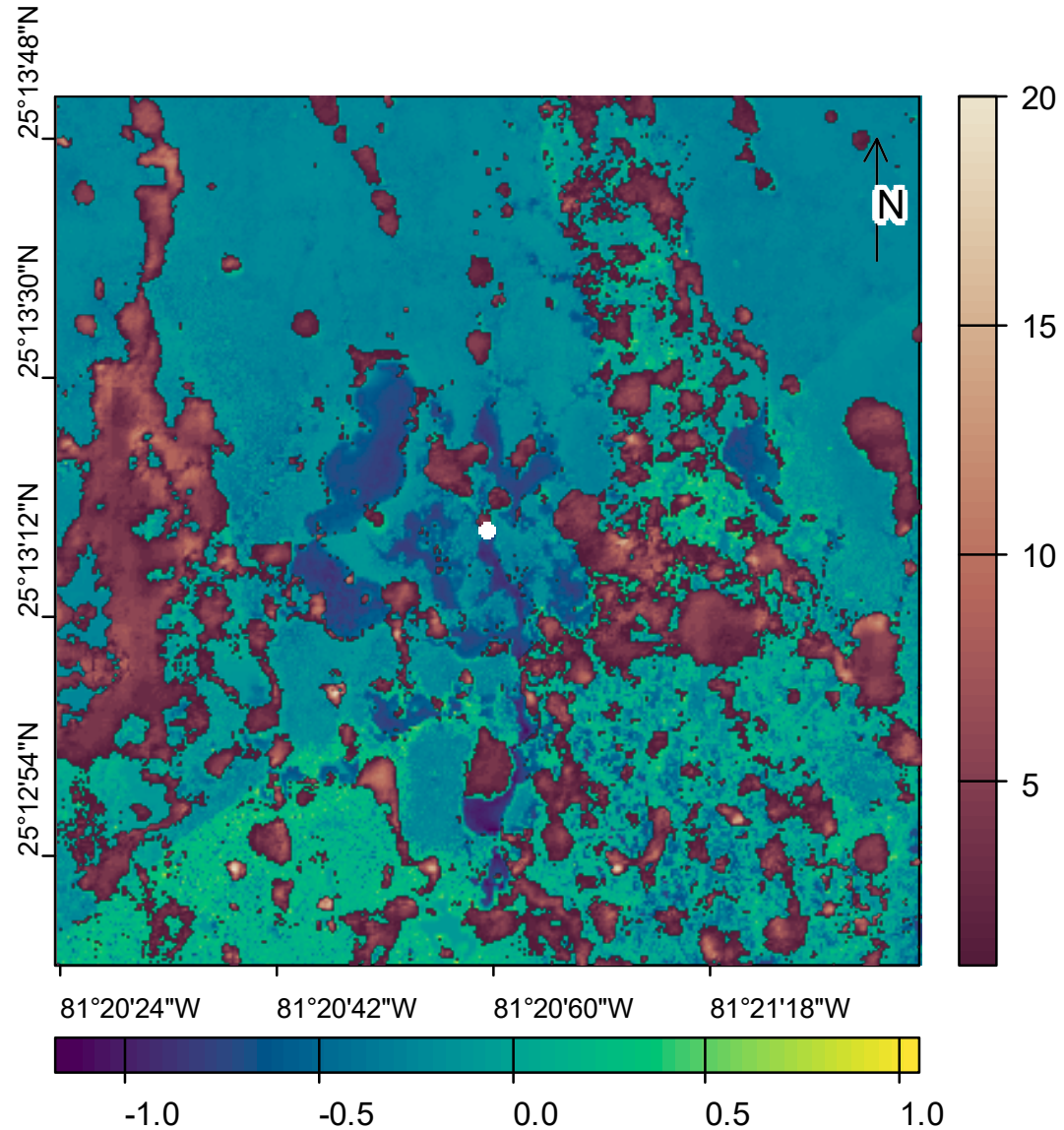


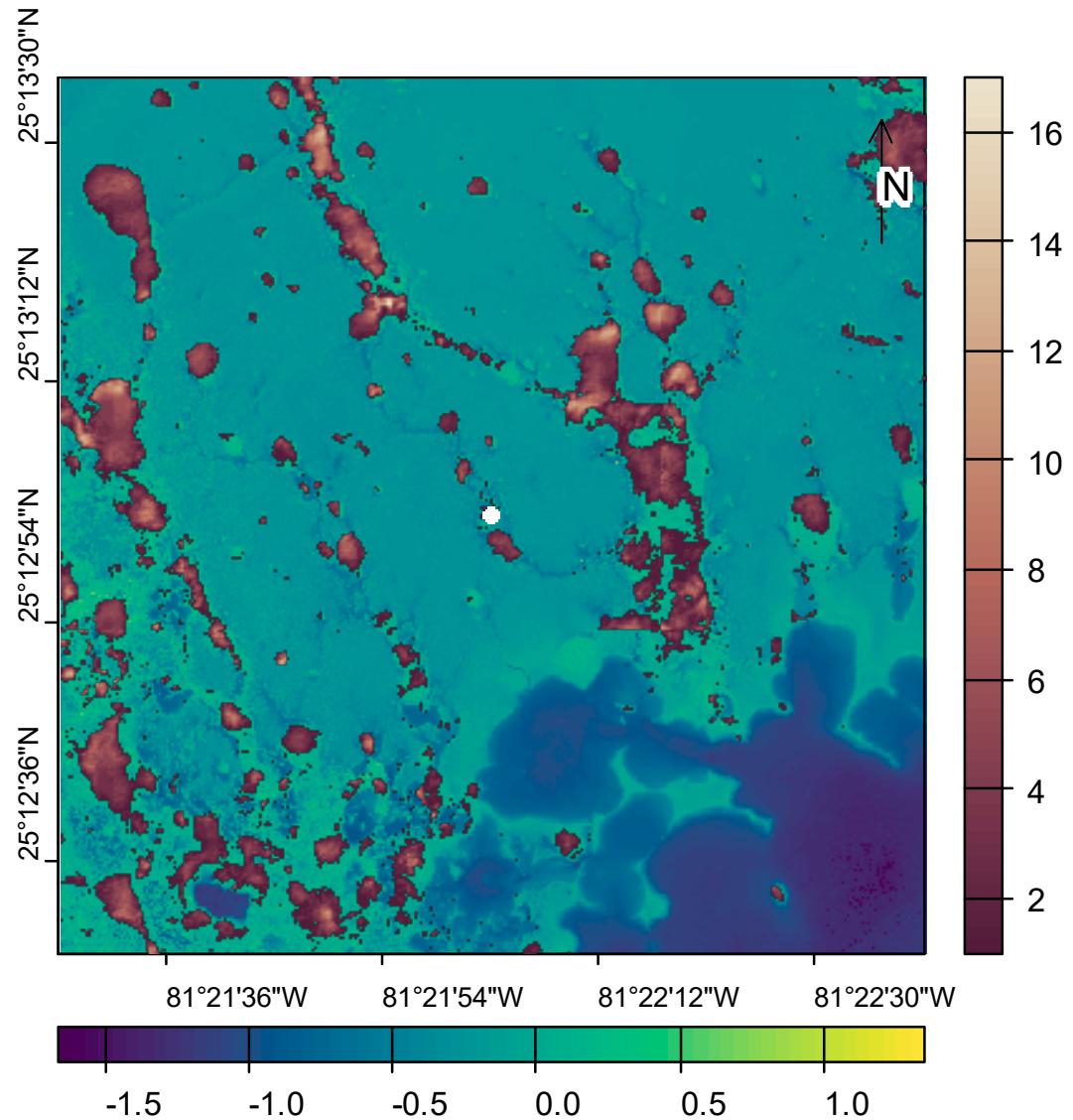
- Full moons seems to be affecting water depths during the dry season
- Both sites are statistically the same over long time periods
 - But there are small details which might be affecting populations / recover rates

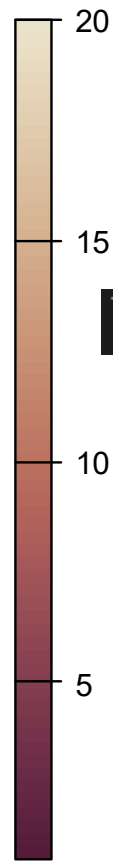
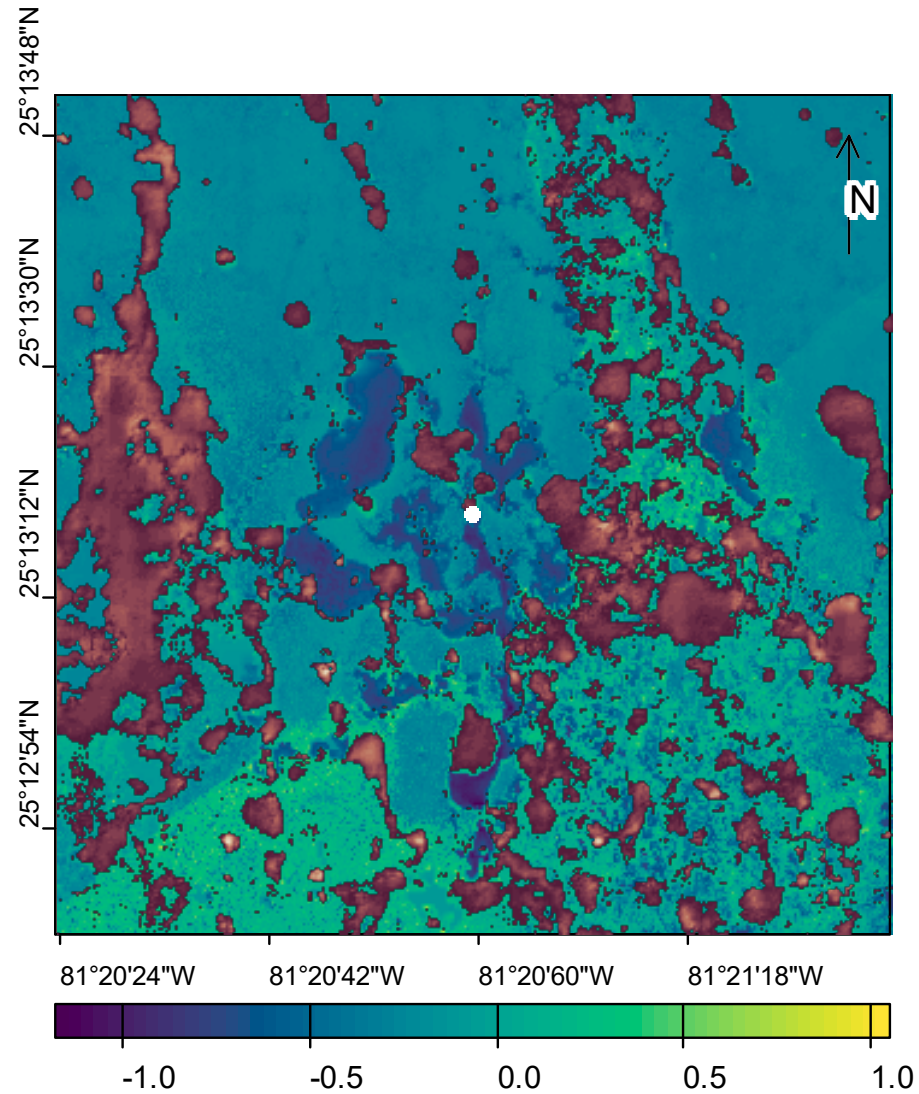






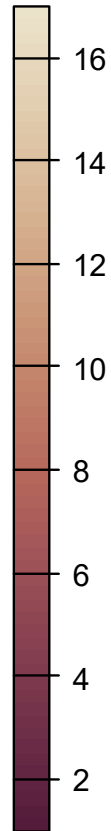
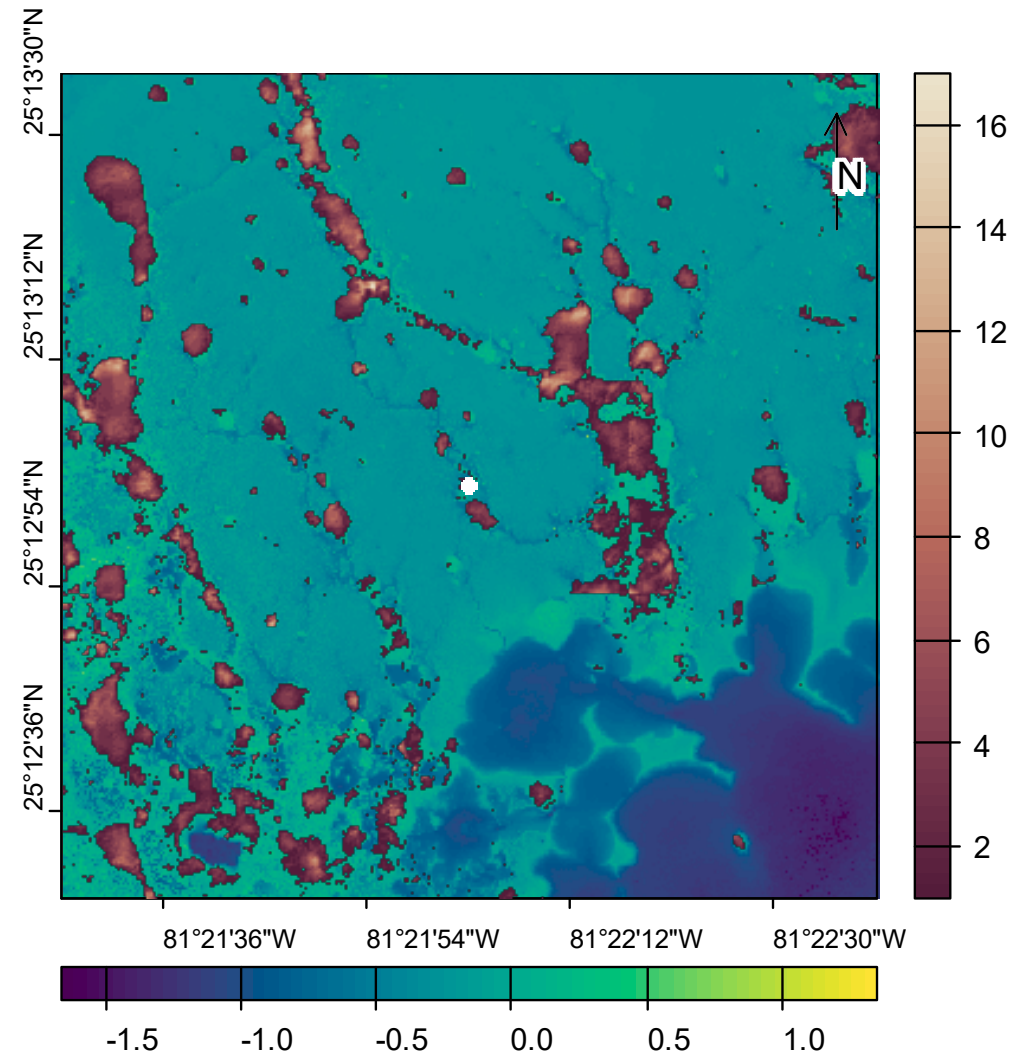


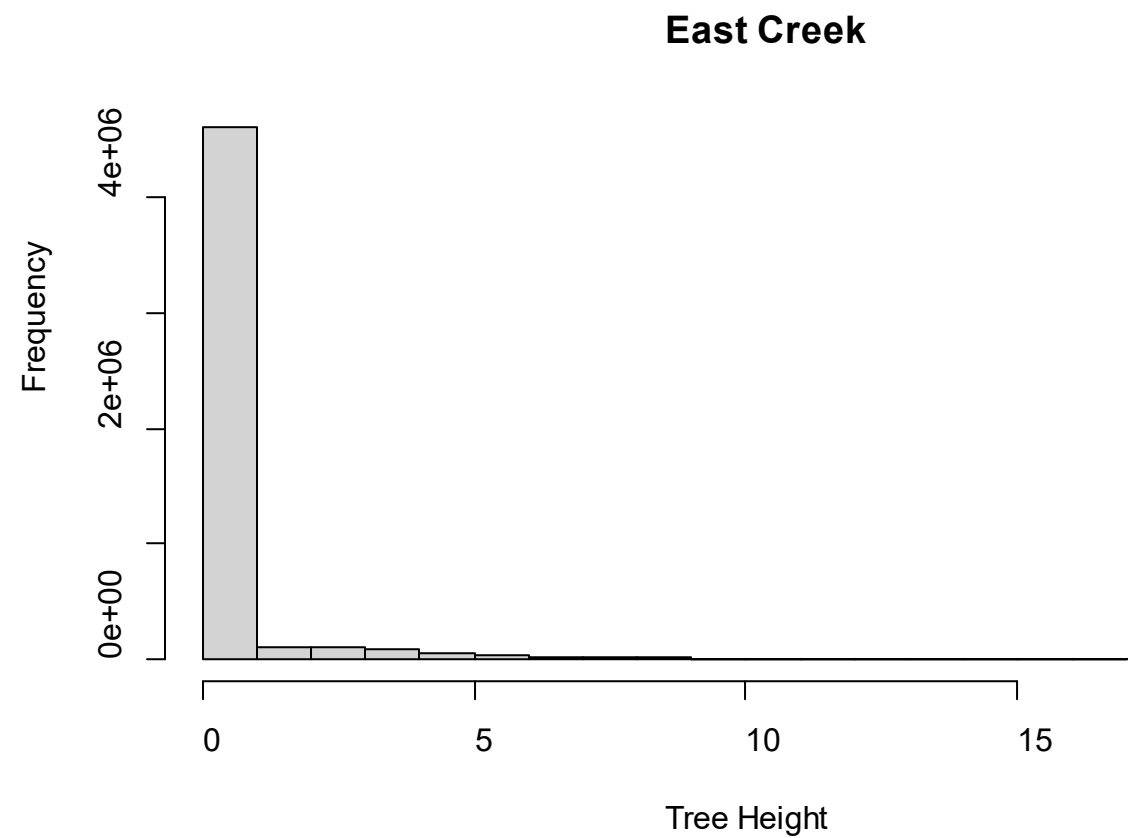
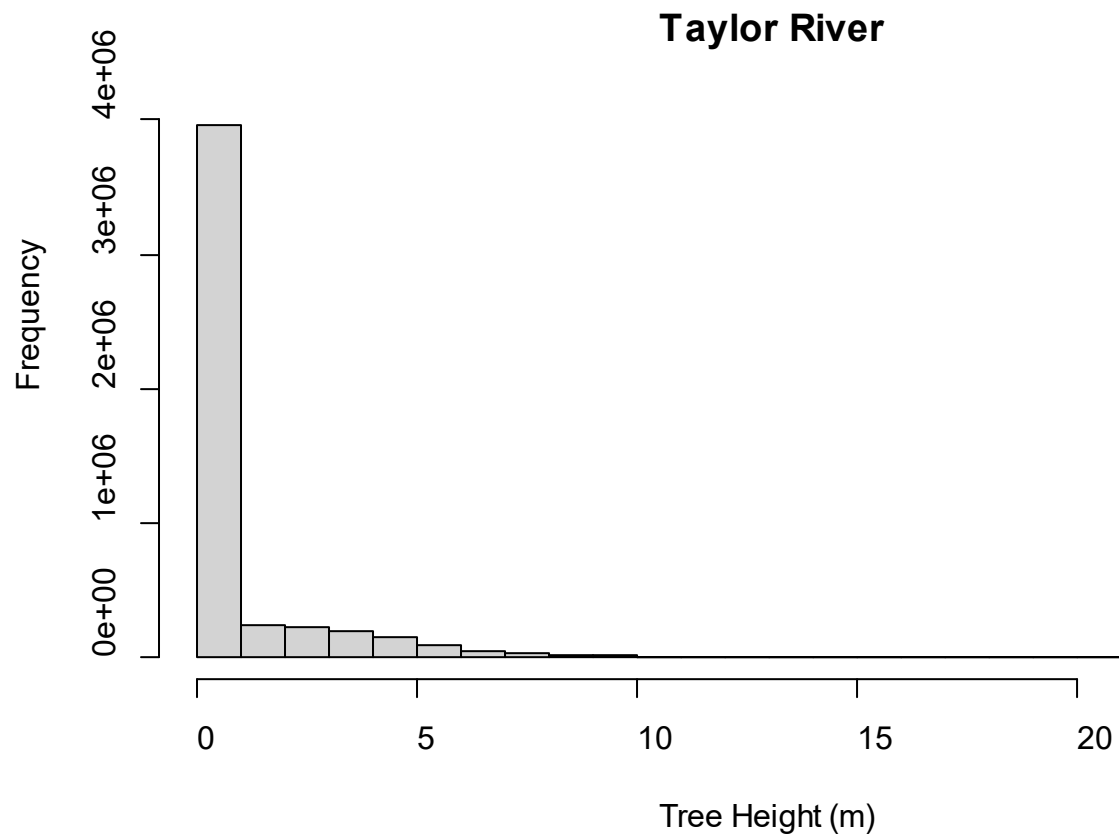




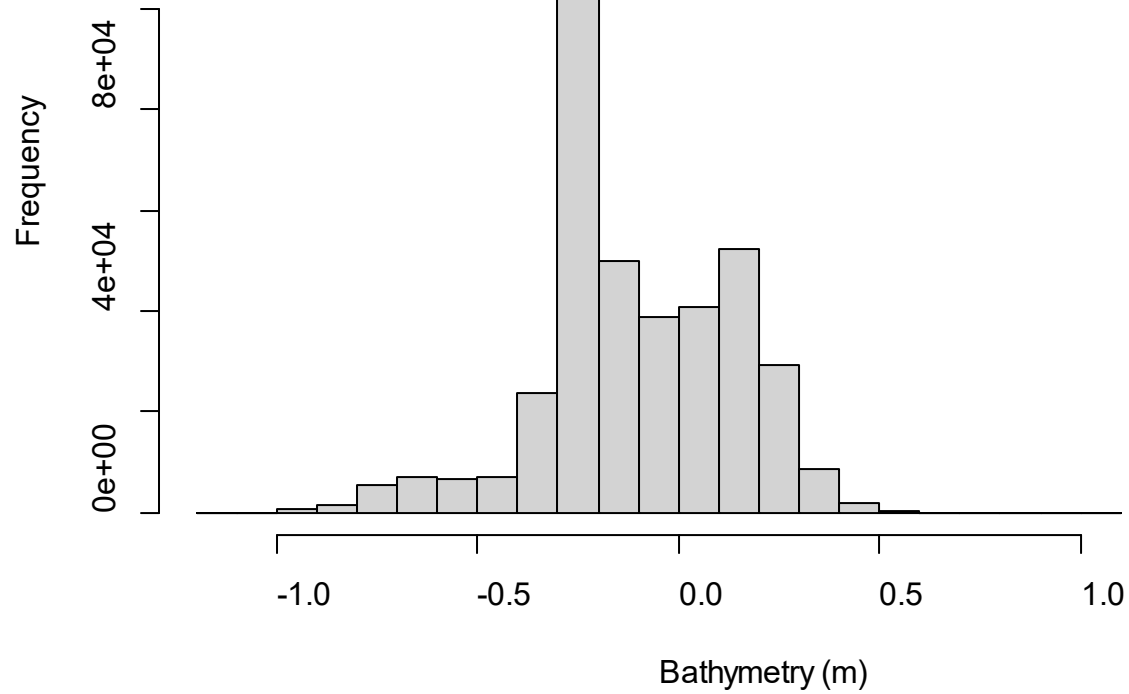
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TR_bathymetry EC_bathymetry
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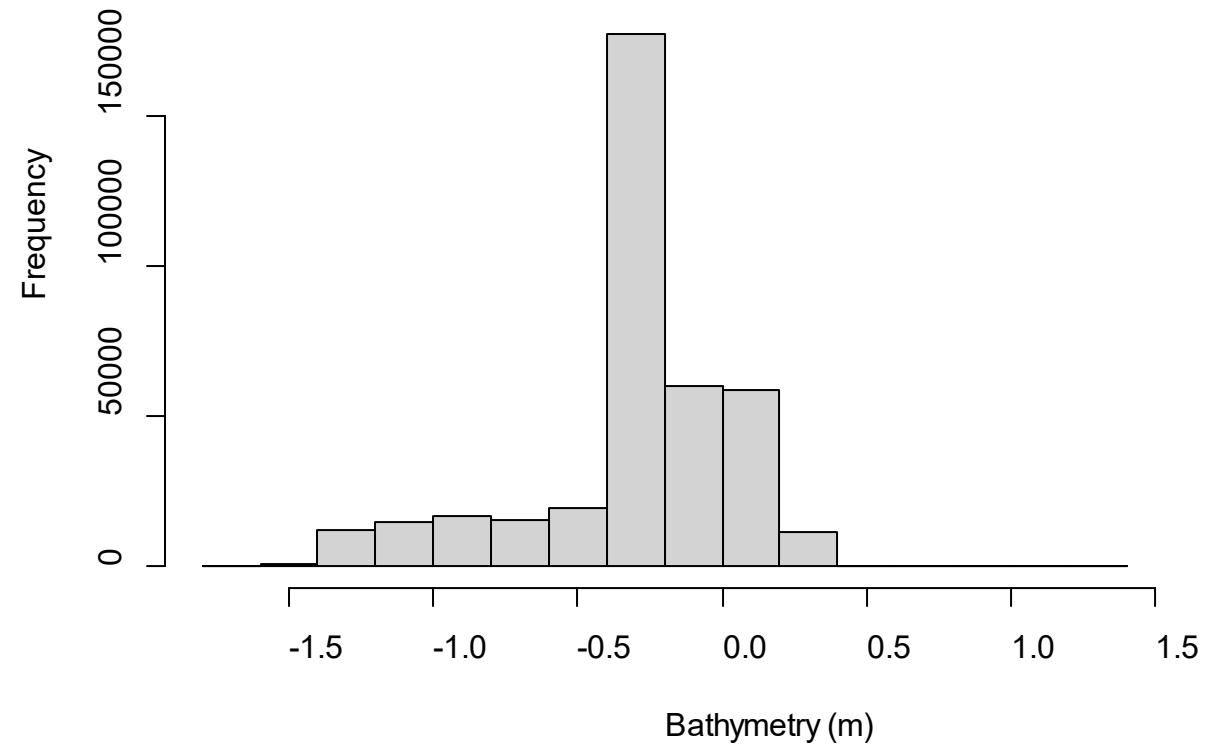


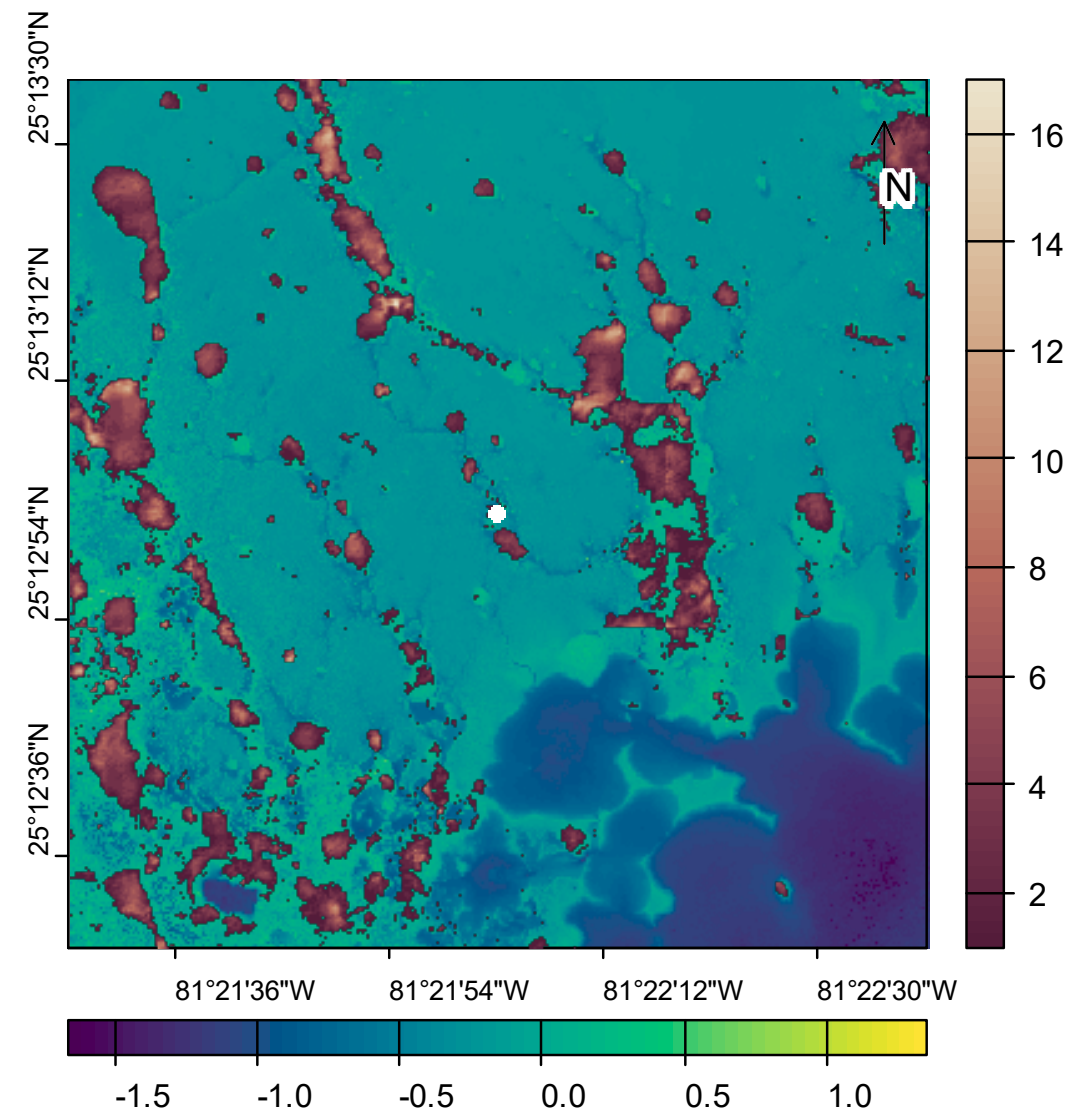
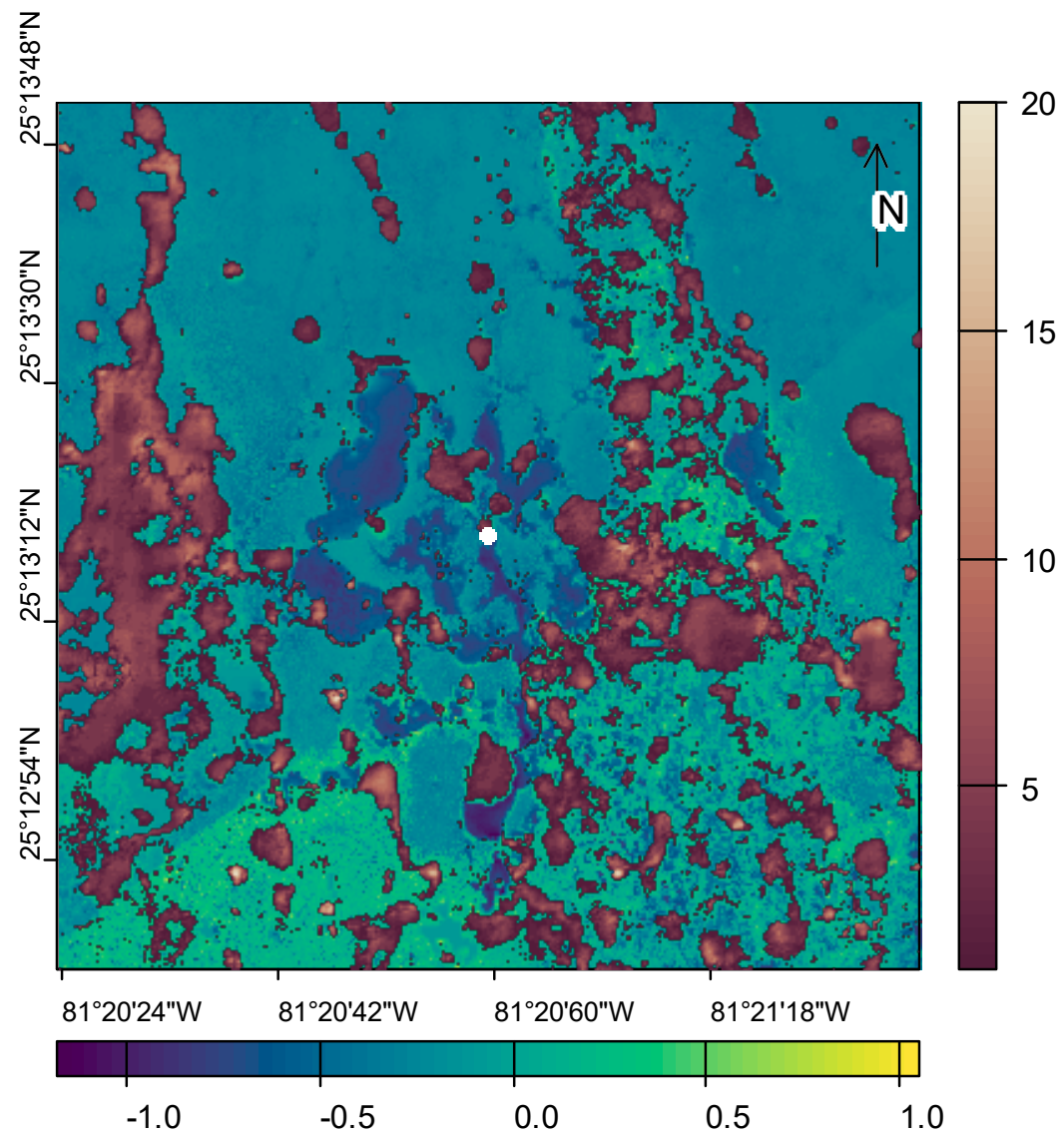


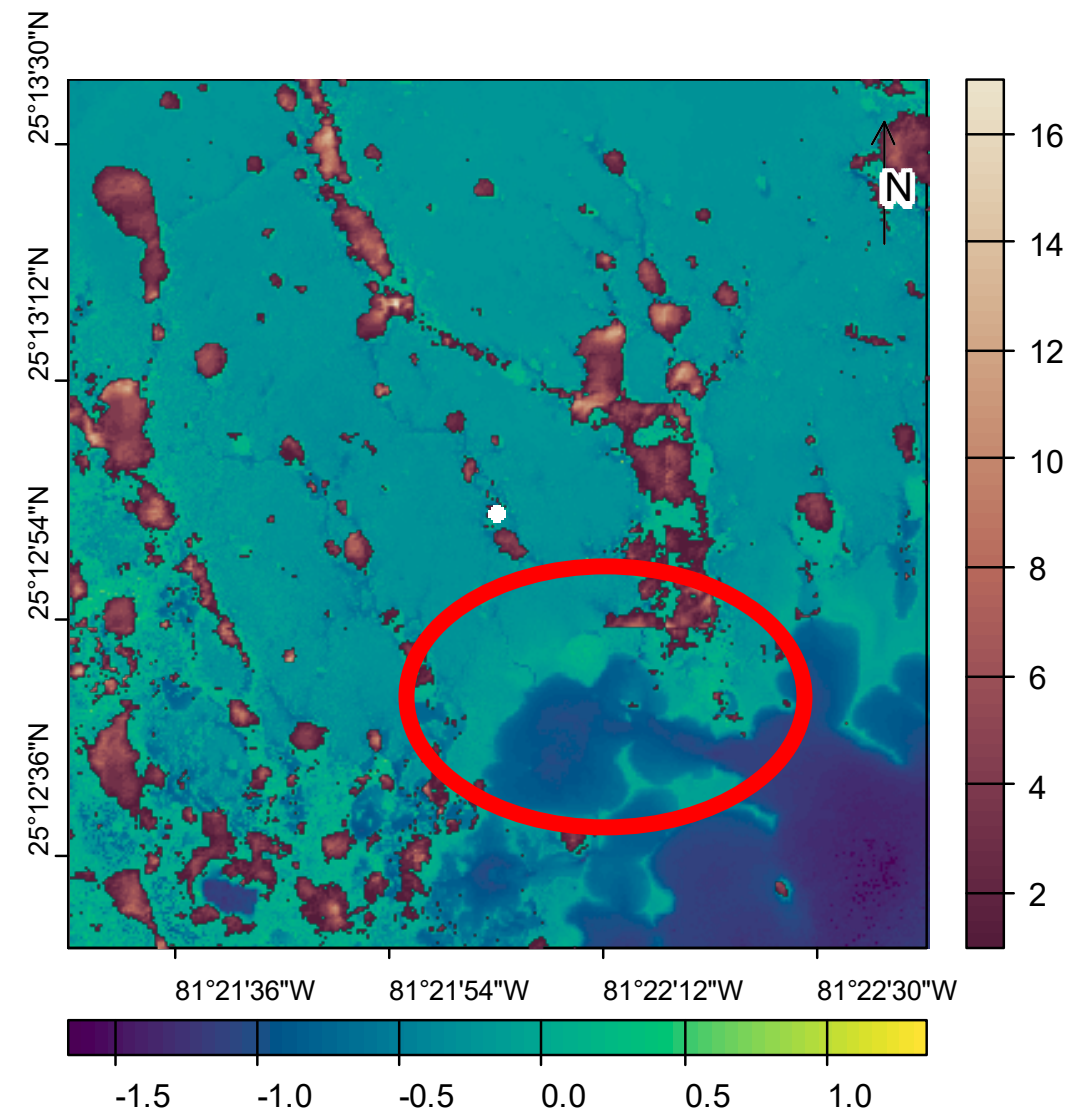
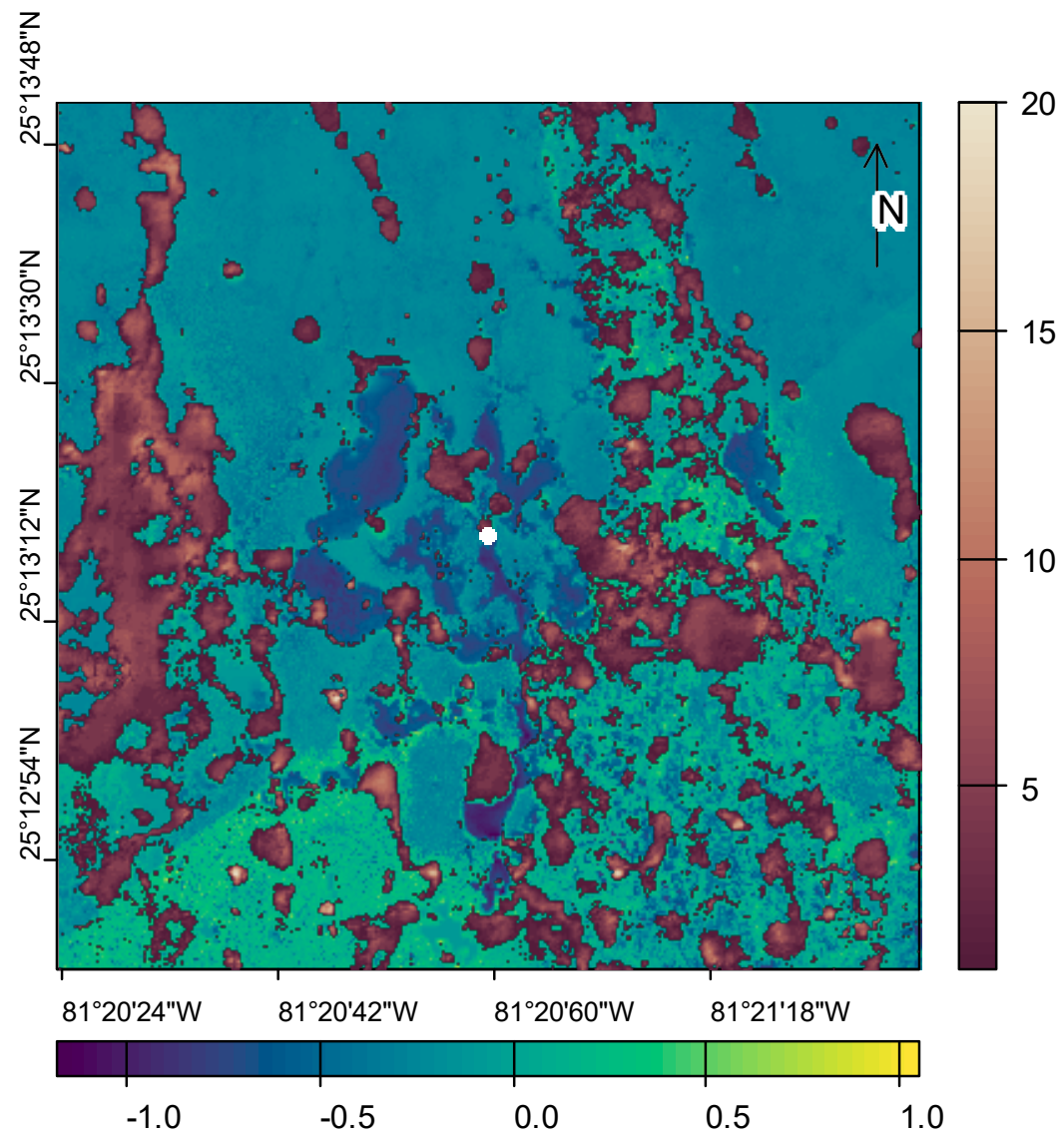
Taylor River

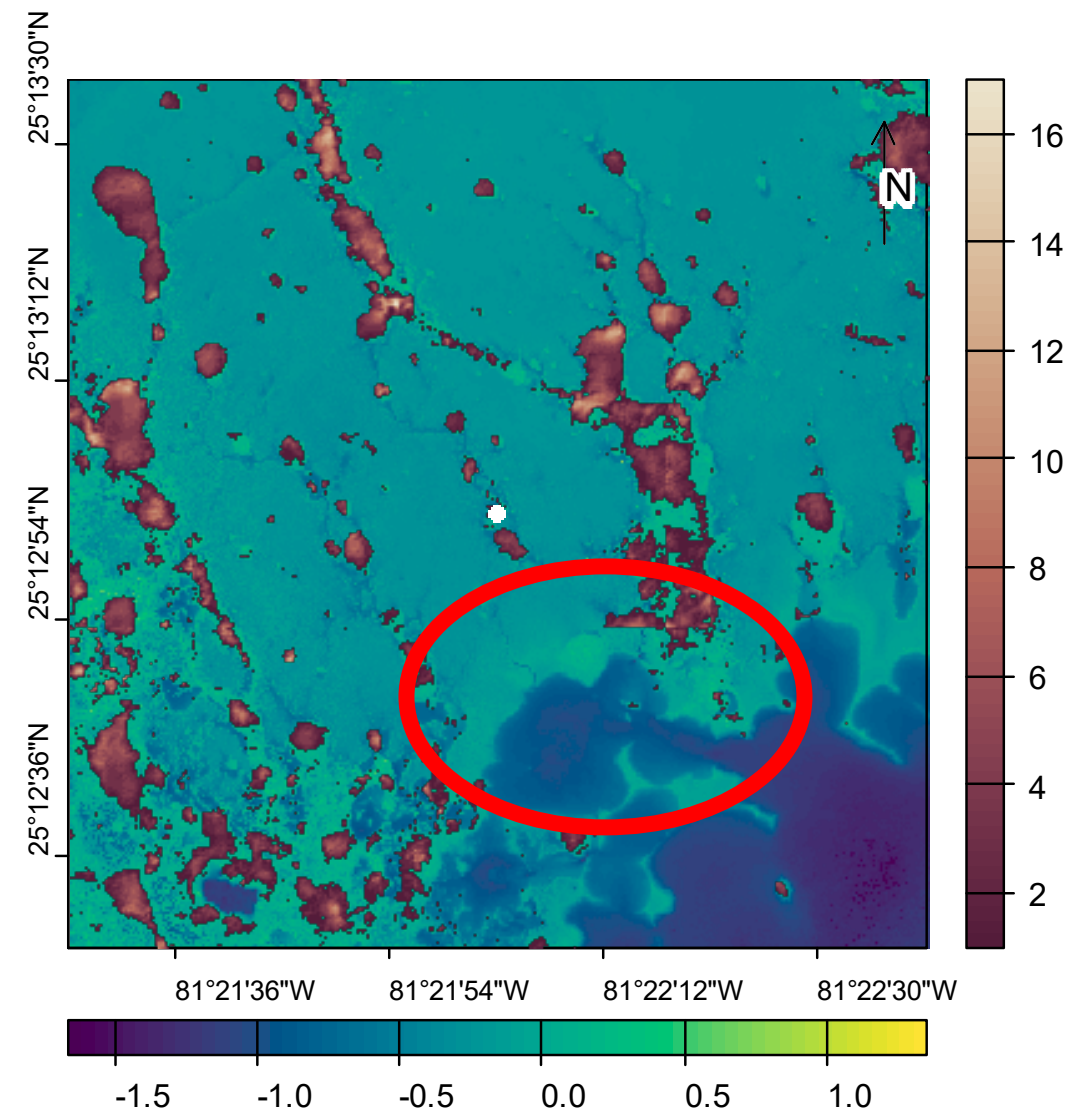
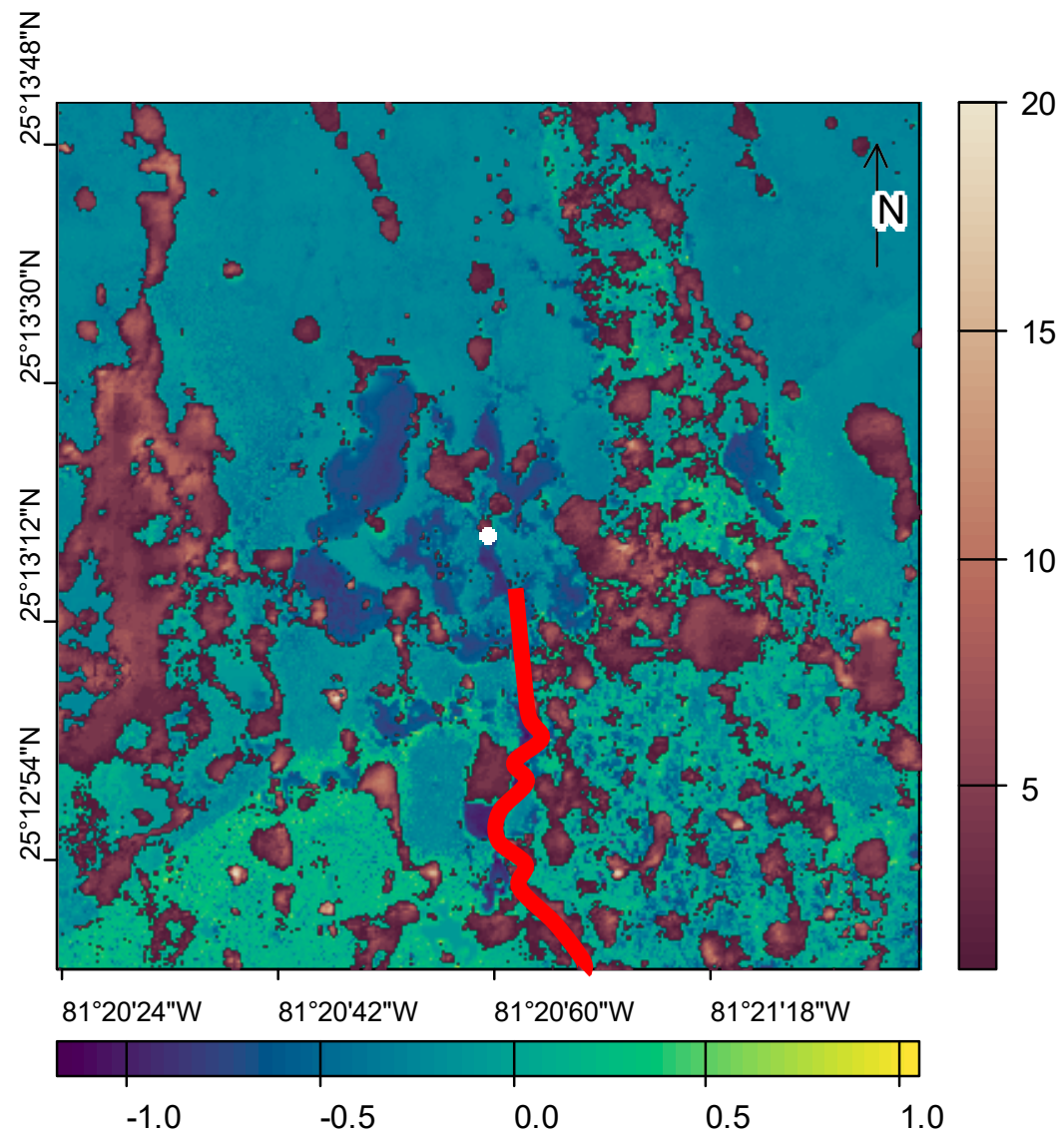


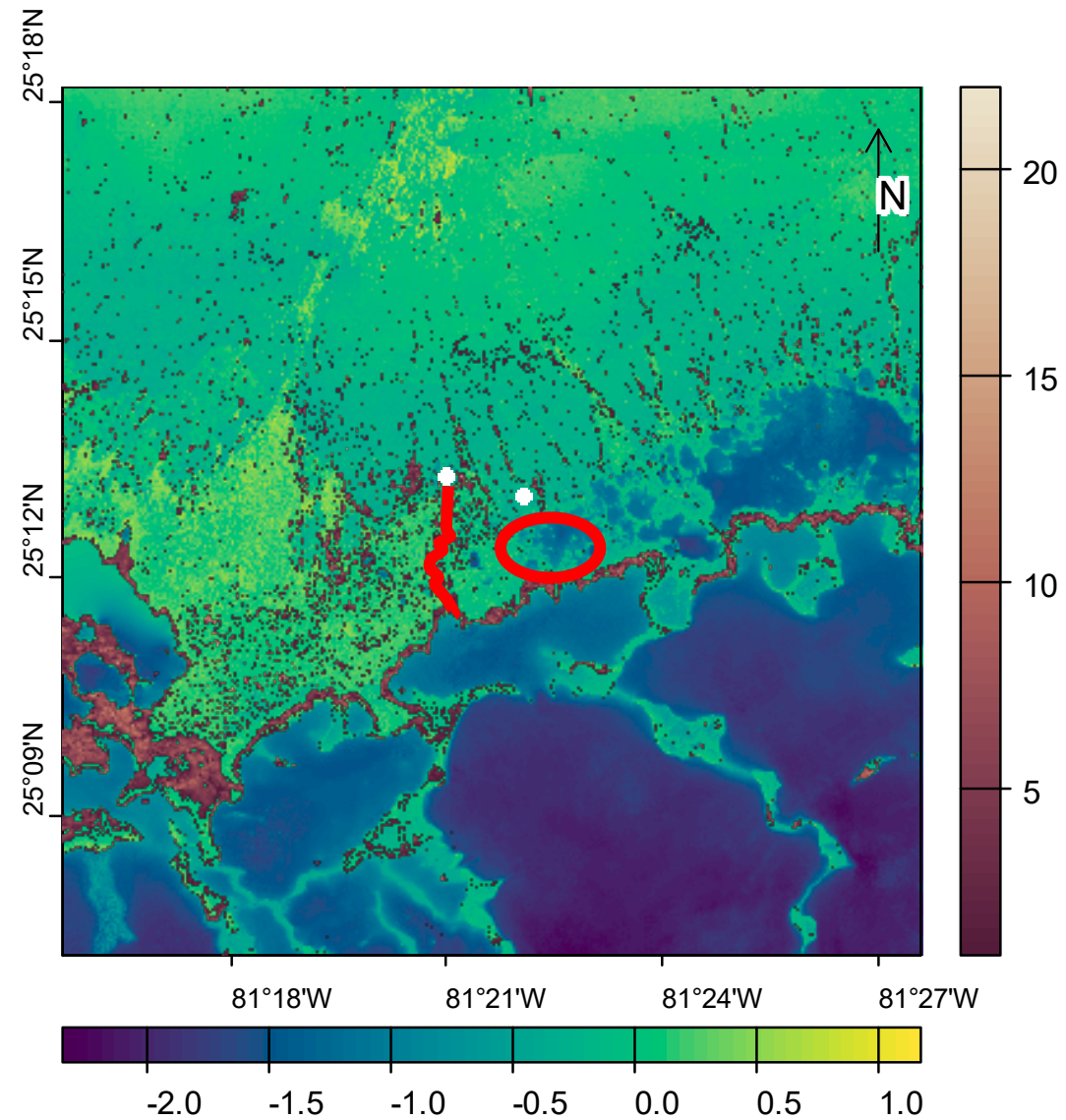
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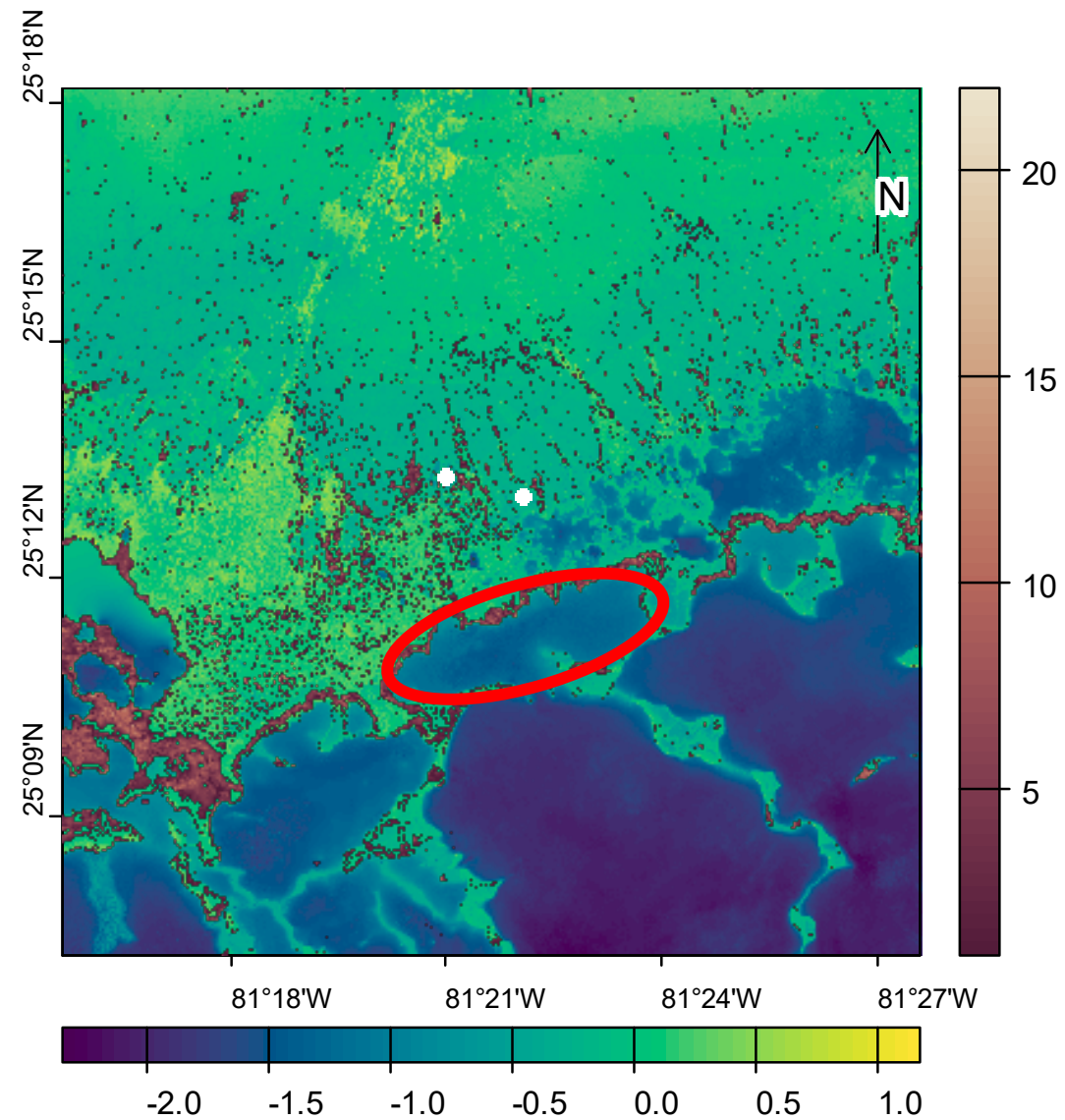


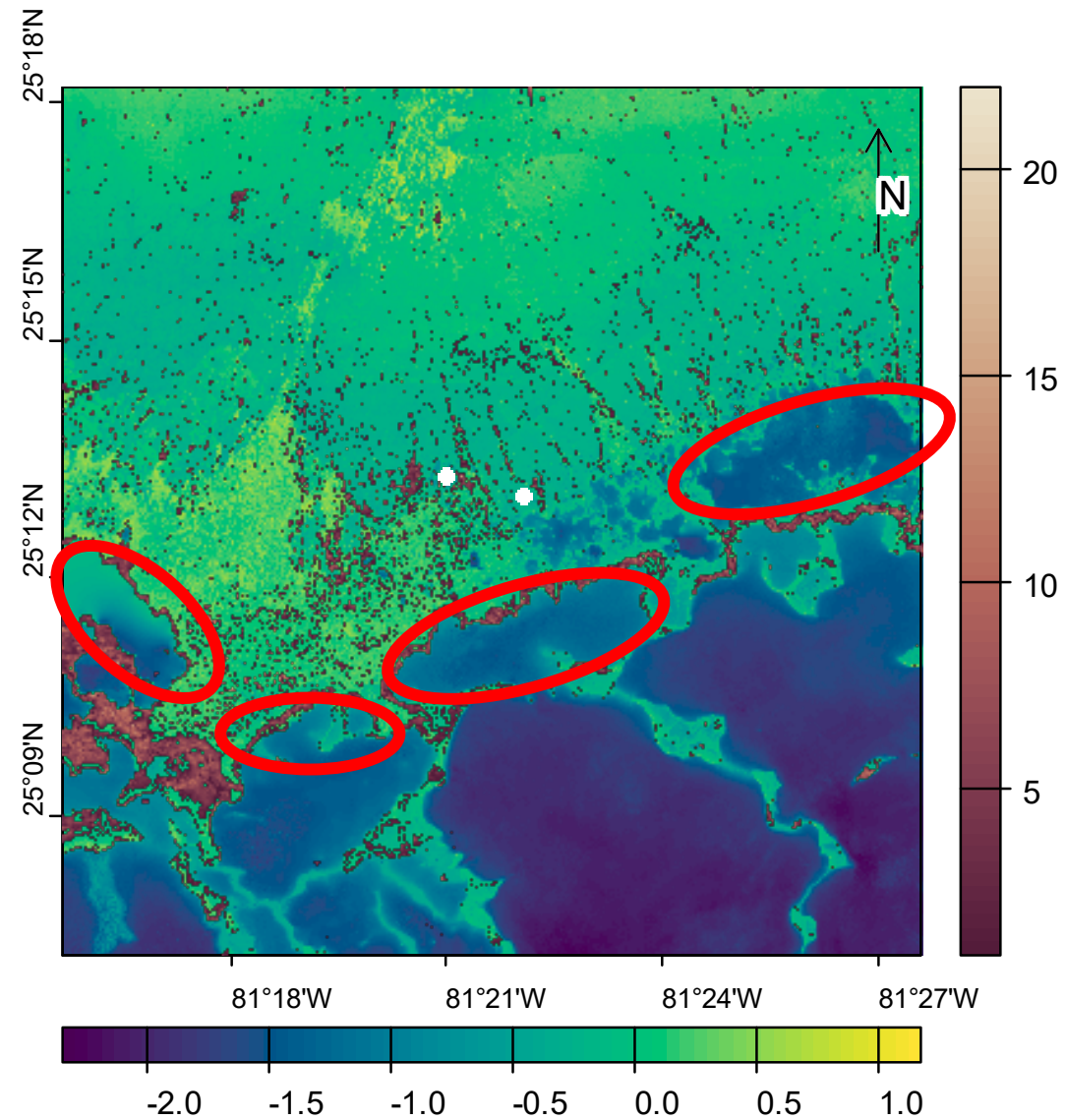




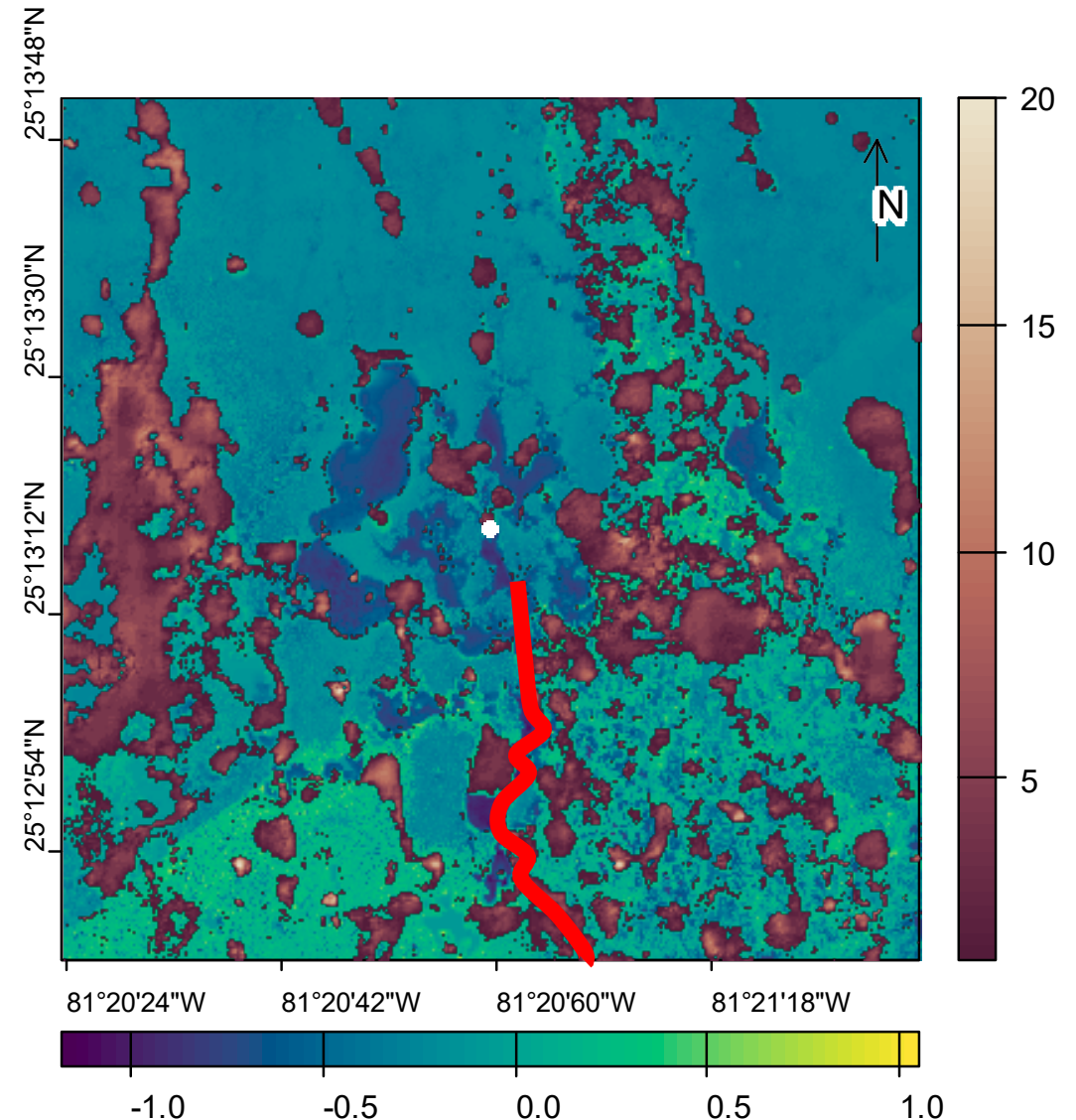




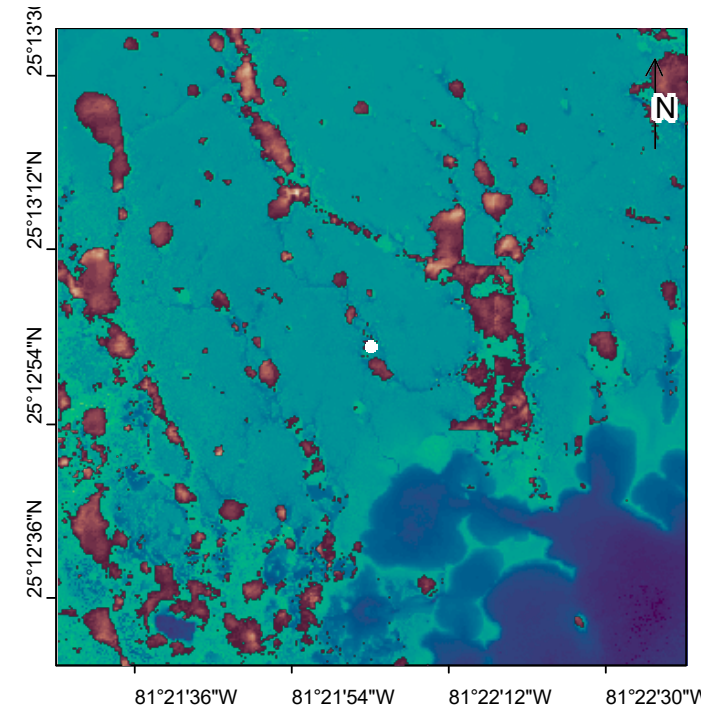
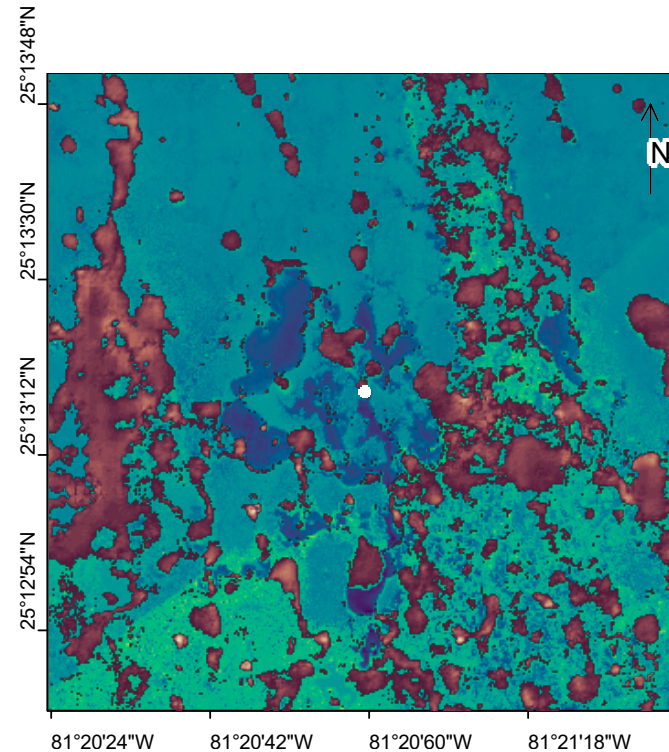




- Temporal and spatial scales
 - Affect the way we look at the system
 - The rate of recovery could be functioning at different rates/scales in different regions
 - Some areas take longer to recover due to the areas topography
 - Some areas could be more susceptible to seemingly small events
 - Close areas can potentially react differently to SLR and Restoration over time



- Does this matter?
 - It's all down to the scale of how you look at the system
 - However, small scales could affect larger scales if external effect start becoming greater over time (SLR)





Jaime Gilrein



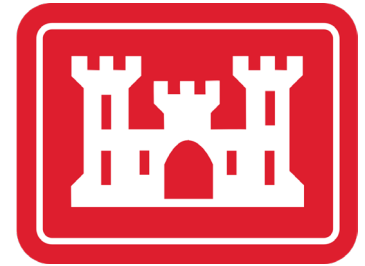
Kevin Ramirez



Parker Denton



Jerry Lorenz



Liz Herting



Evan Lindo



JP Haydocy



Emily Kreider



Alexander Blochel
ablochel@audubon.org

