

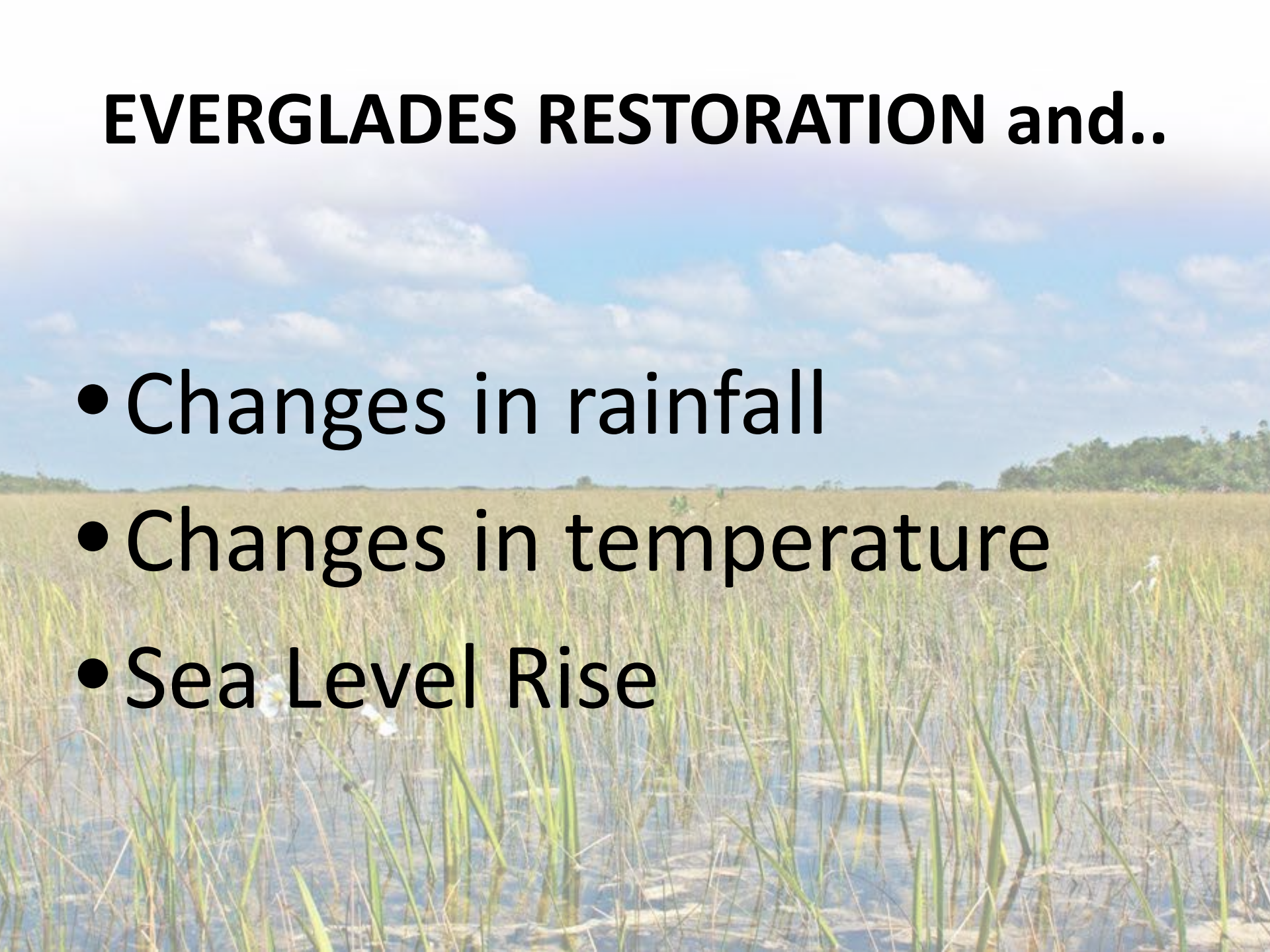


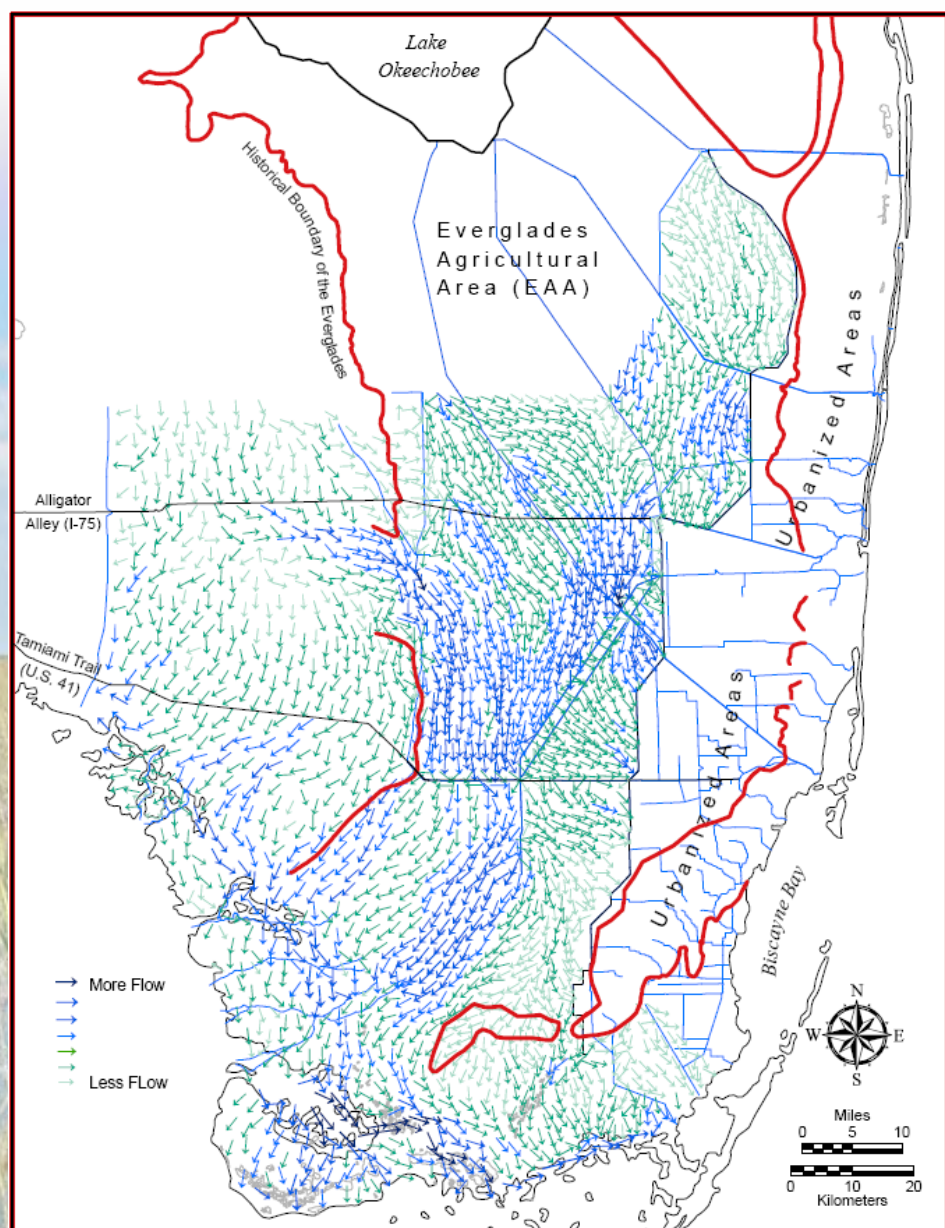
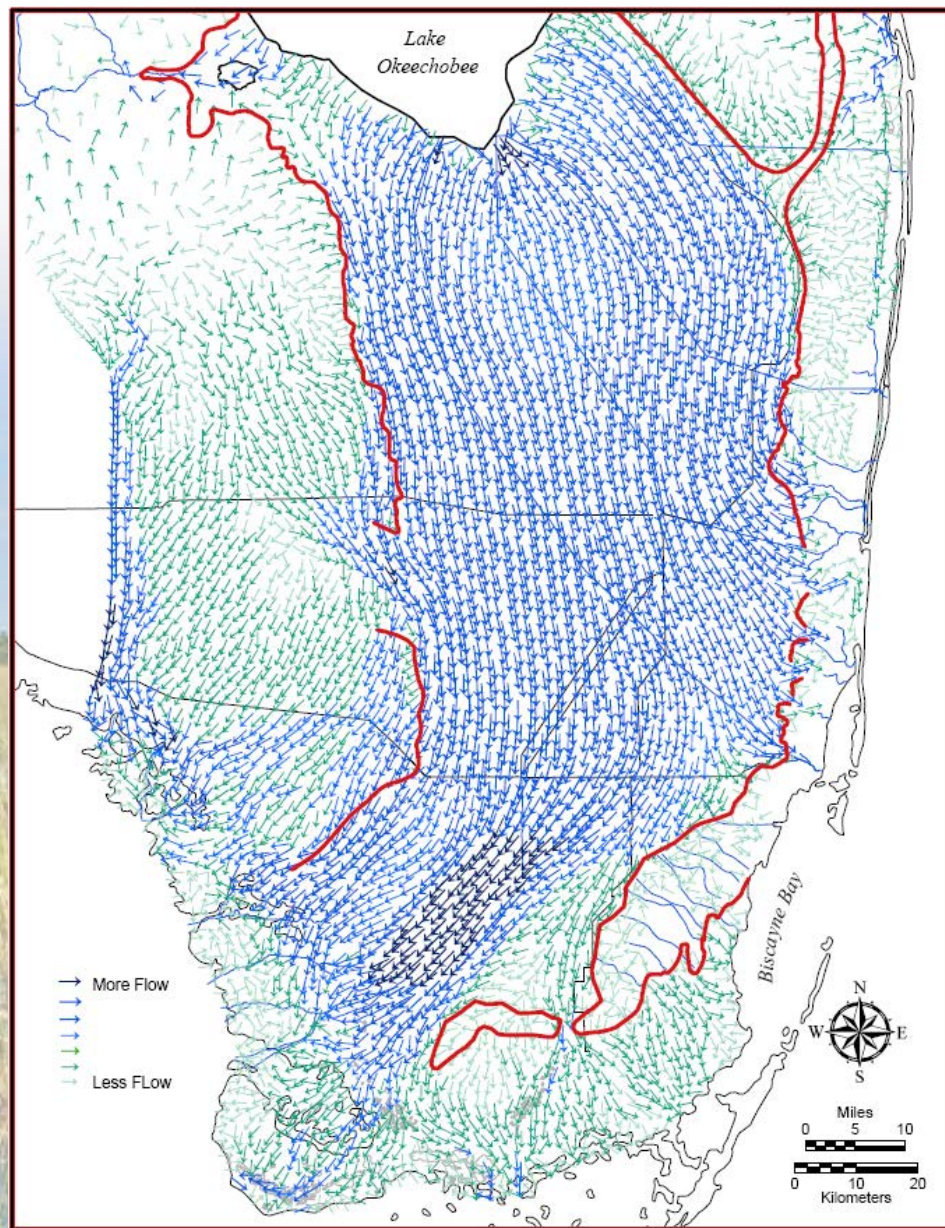
*Applying the Latest Climate Science &
Policy: A Federal Everglades
Restoration Perspective*

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EVERGLADES RESTORATION and..

- Changes in rainfall
- Changes in temperature
- Sea Level Rise





Rainfall

- **The Everglades is suffering from a highly managed annual rainfall and from a compressed interannual rainfall cycle.**
- **Generally speaking decreased average rainfall scenarios cause the most dramatic ecological impacts**
- **However, increased rainfall could cause serious ecological harm if infrastructure is not retrofitted in time.**
- **Uncertainty about rainfall projections is NOT a reason to second guess Everglades Restoration.**

Temperature

- Increased temperatures can be expected to increase evapotranspiration in the system.
- Increased ET can help counterbalance the effects of increased rainfall
- Increased ET combined with reduced rainfall could have significant effects on the Everglades and the region.
 - Water availability
 - Fire
 - Soil loss

Sea Level Rise

- **The future is now**
- **Collapse of coastal wetlands/marshes**
- **Increased storm/tidal surge are a threat to ecosystems**
- **Decreased rainfall and/or increased temperature scenarios exacerbate effects of sea level rise**

Thank you

