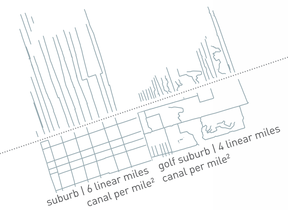
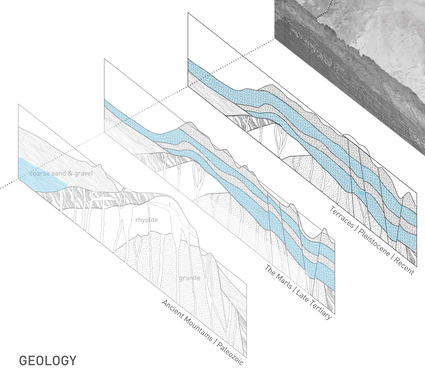
PRECIPITATION + TEMPERATURE

CANALS

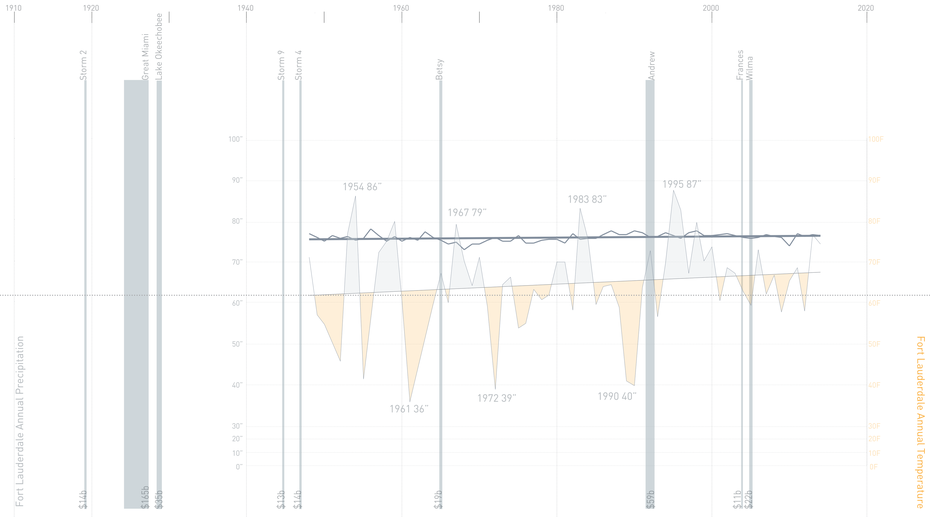
LAND COVER

GEOLOGY

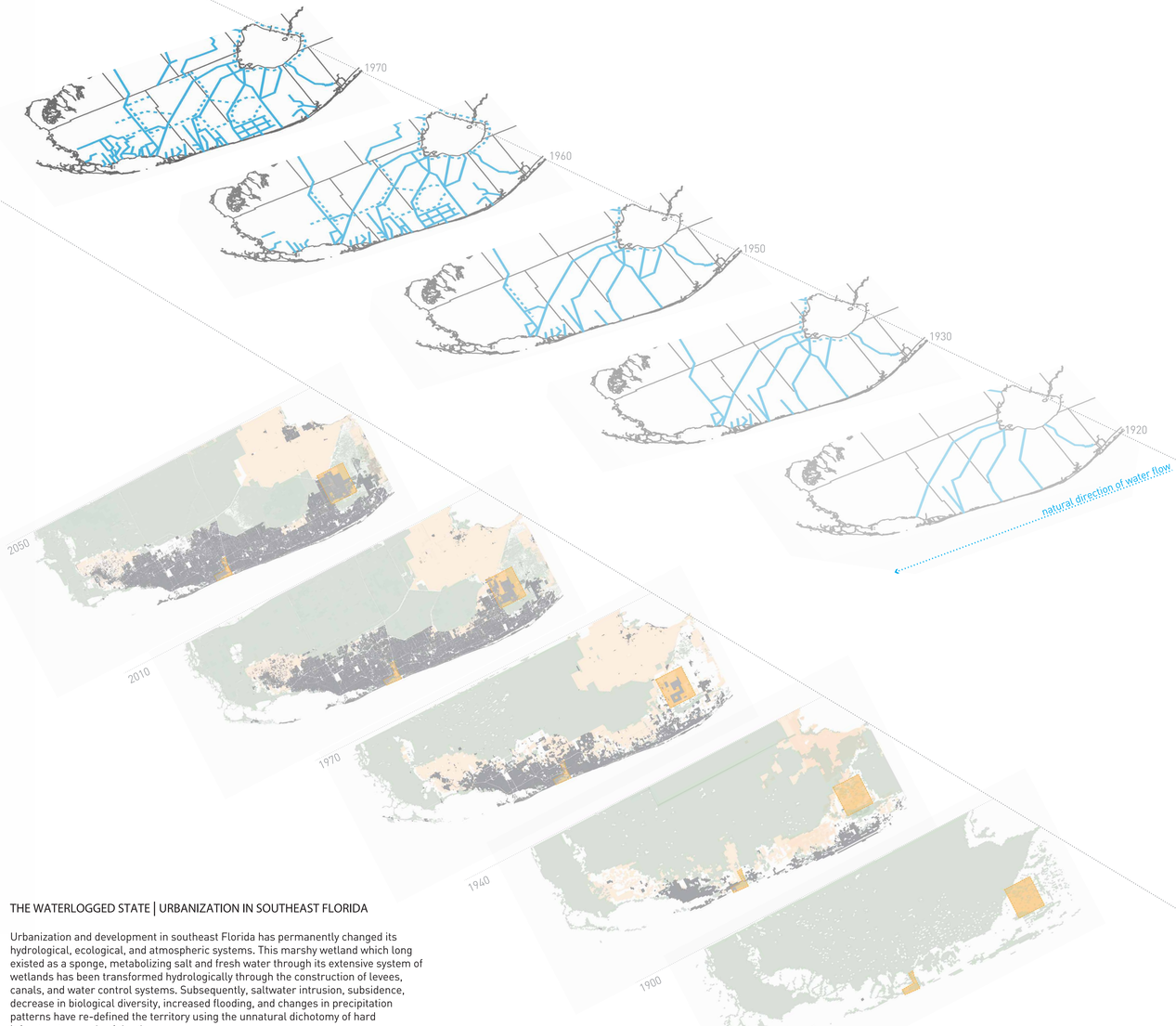




Sources: Broward County GIS, Palm Beach County GIS, Fernald and Purdum, 1996.
NOAA National Centers for Environmental Information
USGS Sofia (South Florida Information Access)
Florida State Climate Center
Blake et al (2011), "The Deadliest, Costliest, and Most Intense United States Tropical Cyclones from 1851 to 2010" NOAA Technical Memorandum NWS NHC-6
South Florida Water Management District
Palm Beach County GIS
Broward County GIS



PRECIPITATION AT EXTREMES
Fort Lauderdale



THE WATERLOGGED STATE | URBANIZATION IN SOUTHEAST FLORIDA

Urbanization and development in southeast Florida has permanently changed its hydrological, ecological, and atmospheric systems. This marshy wetland which long existed as a sponge, metabolizing salt and fresh water through its extensive system of wetlands has been transformed hydrologically through the construction of levees, canals, and water control systems. Subsequently, saltwater intrusion, subsidence, decrease in biological diversity, increased flooding, and changes in precipitation patterns have re-defined the territory using the unnatural dichotomy of hard infrastructure and soft landscape.