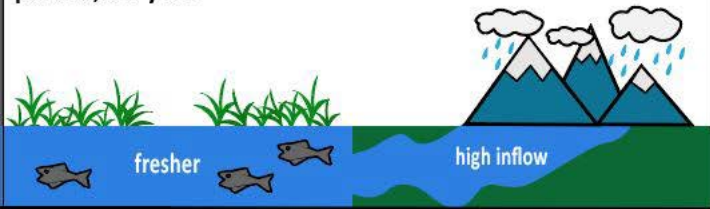


Human activity affects the natural salinity input patterns of the estuary

The historical primary driver of salinity into the estuary is amount of freshwater flow into the system.

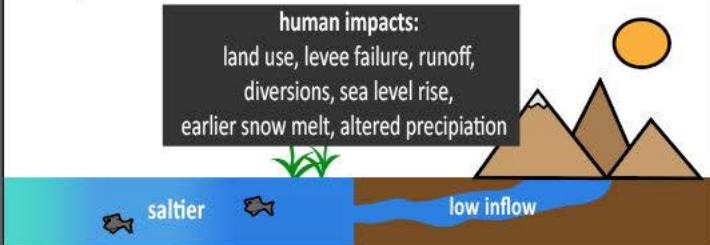
past 10,000 years



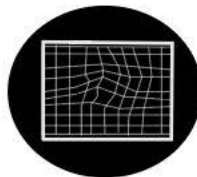
Human activities and land modifications have altered the amount and timing of freshwater flow.

1900-present

human impacts:
land use, levee failure, runoff,
diversions, sea level rise,
earlier snow melt, altered precipitation



Future research priorities



Improve physical modeling



Evaluate ecological and biological consequences of increased salinity



Consider water management projects as scientific experiments