

**TBCSAP Preliminary Recommendation:  
RRAP Climate Change Indicators**

Sea Level

Indicator: Relative Mean Sea Level at [St. Petersburg](#) and [Cedar Key](#) Tide Stations  
Data Source: NOAA

Air Temperature

Indicator: Annual Minimum Temperature  
Data Source: [NOAA](#)

Water Temperature

Indicator: Average Monthly Water Surface Temperature  
Data Source: County Ambient Water Quality Monitoring Programs

Ocean Acidification

Indicator: Average Monthly pH  
Data Source: County Ambient Water Quality Monitoring Programs

Precipitation

Indicator: Average Monthly Rainfall  
Data Source: [NOAA](#)

Hurricane Intensity

Indicator: Annual # of Category 3+ storms in the Gulf of Mexico  
Data Source: [NOAA](#)

- Climate change indicators should adhere to FAIR (Findable-Accessible-Interoperable-Reusable) data principles.
- These are preliminary conceptual recommendations. If approved by the TBRRC MPC, the CSAP will describe appropriate methods to calculate and report the trends for each climate indicator identified above.
- Additional indicators for climate drivers (GHG, LULC, socio-economic) and impacts (flooding, public health, etc.) will be developed, as appropriate, over the next five years.