



### PROJECT GOAL

PSAT temporal variability and spatial distribution

Total Gas Supersaturation (PSAT)

Pressure relative to barometric pressure exerted on biological systems from gases dissolved in water

Ideal conditions are less than 110%

PSAT (%) = [(BP) + (TDG - BP)] / BP \* 100 BP = Barometric pressure TDG = Total dissolved gas

# Three Water Quality Stations Afterbay Left Bank Right Bank

#### **Station Equipment**

- Data collection platforms
- Primary and auxiliary DCP
- Multi-parameter instruments
- GOES satellite telemetry
- Afterbay-floating instrument
- River-stationary instrument
- Hourly data

#### <u>Parameters</u>

- Depth
- Temperature
- Total dissolved gas
- Dissolved oxygen
- Specific conductance
- pH
- Barometric pressure



## **AFTERBAY**





## **LEFT BANK**





## **RIGHT BANK**





