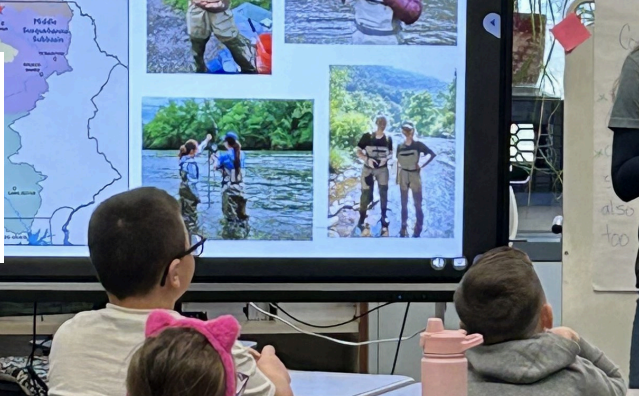




## SRBC data in the classroom

### Continuous Instream Monitoring (CIM)

One of the largest basin-specific, real-time water quality monitoring programs in the nation! With more than 75 stations, students can use our interactive dashboard to explore watershed profiles throughout the Susquehanna River Basin. View current data on fish & bug health, long-term temperature trends and acidity levels, photos and more. More than half of the stations have 15 or more years of data. Long-term water quality monitoring is essential for effective policy-making, wise allotment of limited restoration funds, and overall management of the basin's resources.

#### **Examples:**

- Students collect their own samples and compare to the CIM data
- Graph data and try to line it up with watershed events (floods, spring thaw, ice coverage, etc.)
- Use water quality data to argue for more local stream protections along the banks such as recycling and garbage bins
- Invasive species identification and mapping

#### **Website**



#### **Story Map**



#### **Dashboard**



### 5 Water Quality Indicator Parameters Measured Every 15 Minutes!

- Water Temperature
- pH
- Specific Conductance
- Dissolved Oxygen
- Turbidity

### At select stations, SRBC also collects:

Streamflow measurements, fish collection, macroinvertebrate and habitat data, discrete grab samples for alkalinity, aluminum, chloride, barium, total dissolved solids, sulfate, organic carbon, calcium, magnesium, sodium, potassium, nitrate, bromide, strontium, total phosphorous, iron and manganese



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